IEA
SOLAR R&D

INTERNATIONAL ENERGY AGENCY

program
to develop and test
solar heating
and cooling systems

task V

solar radiation data source catalogue

october 1980

INTERNATIONAL ENERGY AGENCY

In order to strengthen cooperation in the vital area of energy policy, an Agreement on an International Energy Program was formulated among a number of industrialized countries in November 1974. The International Energy Agency (IEA) was established as an autonomous body within the Organization for Economic Cooperation and Development (OECD) to administer that agreement. Nineteen countries are currently members of the IEA, with the Commission of the European Communities participating under a special arrangement.

As one element of the International Energy Program, the participants undertake cooperative activities in energy research, development, and demonstration. A number of new and improved energy technologies which have the potential of making significant contributions to our energy needs were identified for collaborative efforts. The IEA Committee on Energy Research and Development (CRD), assisted by a small Secretariat, coordinates the energy research, development, and demonstration program.

Solar heating and cooling program

Solar Heating and Cooling was one of the technologies selected by the IEA for a collaborative effort. The objective was to undertake cooperative research, development, demonstrations and exchanges of information in order to advance the activities of all Participants in the field of solar heating and cooling systems. Several sub-projects or »tasks» were developed in key areas of solar heating and cooling. A formal Implementing Agreement for this Program, covering the contributions, obligations and rights of the Participants, as well as the scope of each task, was prepared and signed by 15 countries and the Commission of the European Communities. The overall program is managed by an Executive Committee, while the management of the subprojects is the responsibility of Operating Agents who act on behalf of the other Participants.

The tasks of the IEA Solar Heating and Cooling Program and their respective Operating Agents are:

I Investigation of the Performance of Solar Heating and Cooling Systems – Technical University of Denmark

II Coordination of R & D on Solar Heating and Cooling Components – Agency of Industrial Science and Technology, Japan

III Performance Testing of Solar Collectors – Kernforschungsanlage Julich, Federal Republic of Germany

IV Development of an Insolation Handbook and Instrumentation Package – United States Department of Energy

V Use of Existing Meteorological Information for Solar Energy Application – Swedish Meteorological and Hydrological Institute

VI Performance of Solar Heating, Cooling and Hot Water Systems using Evacuated Collectors – United States Department of Energy

VII Central Solar Heating Plants with Seasonal Storage – Swedish Council for Building Research

Collaboration in additional areas is likely to be considered as projects are completed or fruitful topics for cooperation identified.

Task V – Use of existing meteorological information for solar energy application

Recognizing the importance of resource information, two of the five tasks were designated as meteorological support tasks for solar heating and cooling research and applications. The objectives of Task V are to improve the availability of existing solar radiation and related meteorological data and to support the collection and presentation of such data in an effective manner for the solar energy community.

The project is comprised of the following subtasks:

A Compilation of Sources of Solar Radiation and Relevant Meteorological Data

B Preparation of a Handbook on Estimation Methods

C Recommendations Concerning Meteorological Stations

D Preparation of a Uniform Format for Presentation of Data.

The following countries are participants in this task: Austria, Belgium, Canada, Denmark, Germany, Italy, the Netherlands, Spain, Sweden, Switzerland, United Kingdom, USA, and the Commission of European Communities.

This report documents work carried out under subtask A of this task. The cooperative work and resulting report is described in the following section.

solar radiation data source catalogue

Weine Josefsson
Marie-Louise Westerberg
The Swedish Meteorological and
Hydrological Institute, SMHI,
Norrköping, Sweden

October 1980

This report is part of the work within the IEA Solar Heating and Cooling Program,
Task V: Use of Existing Meteorological Information for Solar Energy Application
Subtask A: Compilations of Sources of Solar Radiation and Relevant Meteorological Data.

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TABLE OF CONTENTS

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Weine Josefsson
Marie-Louise Westerberg

INTRODUCTION

The intention of the Data Source Catalogue is to increase the availability of existing radiation data and relevant meteorological data.

The catalogue consists of three parts here called Introduction (I), Explanation (II), and Data List (III).

In part I several important concepts of radiation are introduced together with a brief presentation of radiation quantities and radiation instruments. To get more than a general view of those and related subjects the IEA-Handbook is recommended. This and other publications are included in the reference list, see page (1-31).

The purpose of part II is to give all information needed for an optimal use and understanding of the data presented in part III.

Part III is a compilation of radiation data sources and radiation stations. It also includes addresses where requests for these data should be sent.

Solar radiation data and related weather data may be corrected, controlled and published, microfilmed, placed on punch cards or magnetic tape. Sometimes it is only available in a raw form as recorded on strip charts etc.

If known, the type of storing is given in the Data List i.e. published, data sheets, magnetic tapes or punch cards and strip charts.

The question of the representativeness and accuracy of the radiation data listed in this catalogue is not discussed. For detailed information contact the organization that is collecting and storing the data. The only method to obtain detailed and accurate data on solar radiation is to measure carefully with an accurate instrument at the site of interest. However, there are methods of estimating solar radiation fluxes where measurements are not available.

Solar radiation models and interpolation techniques are discussed in references [1,5,21-24].

Since the compilation of this book many changes have occurred and will occur. The number of stations and the amount of radiation data are increasing rapidly. As it is our intention to keep the Solar Radiation Data Source Catalogue up to date the reader is respectfully requested to report any known change or correction of information that should be included.

SOLAR AND TERRESTRIAL RADIATION

The driving power of the ocean currents, the wind and the photosynthetic process emerges from the sun. This power arrives at the earth as electromagnetic radiation, so called extraterrestrial solar radiation. More than 99% of the energy is concentrated in the spectral range 0.15-4.0 m.

The intensity of the radiation varies about ±3% from the average value, the "solar constant" (1.368 kW/m^2, [12]) due to the elliptical orbit of the earth.

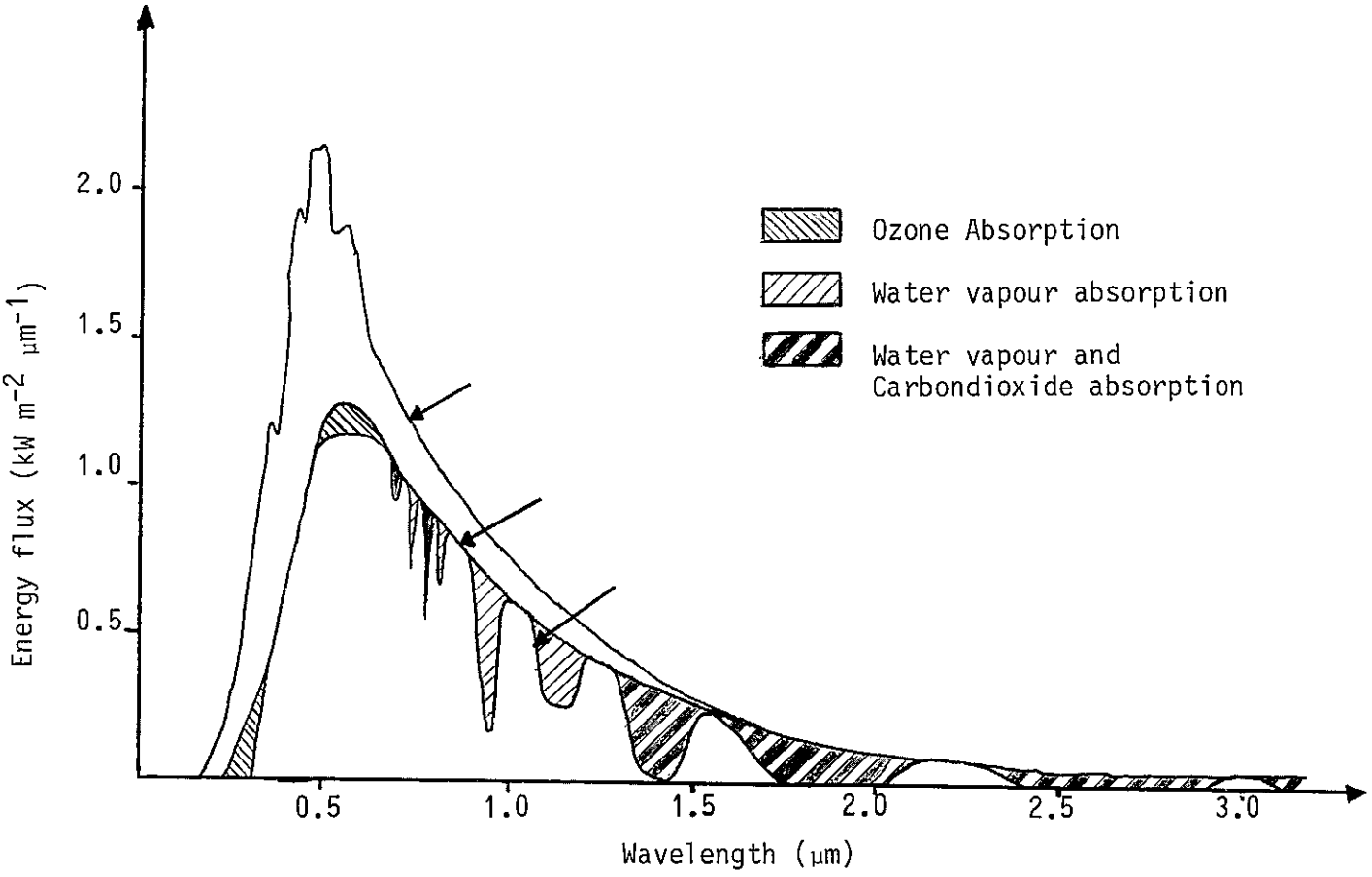

Fig. 1 Schematic spectral distribution of solar radiation:

1. Outside the Earth's atmosphere.
2. Typical at sealevel after scattering in dust and molecules and
3. after absorption.

There are many processes in the atmosphere affecting the character and reducing the intensity of the solar radiation. The primary ones are scattering, absorption and reflection. The first and the last process change the direction of the rays while the remaining effect reduces the energy of the radiation.

Principal producers of scattering are
i) dry air molecules
ii) water vapour molecules and
iii) aerosols

Principal absorbers are
i) ozone
ii) carbon dioxide
iii) water vapour and
iv) dust

Principal reflectors are
i) clouds and
ii) dust

The intensity reduction of the direct solar radiation caused by aerosols in the atmosphere can be described by a parameter called the atmospheric turbidity. Several methods exist to characterize the effect of turbidity, usually by studying the attenuation of the direct solar radiation. Well known turbidity parameters are the Ångström and the Schüepp turbidity coefficients and also the turbidity factor of Linke.

With a simple instrument called the Volz Sunphotometer the direct solar radiation attenuation (in one or two narrow spectral regions) can be measured in order to determine the Schüepp turbidity coefficient.

There exists a network organised by the WMO (World Meteorological Organization) using this method (the main part of the compilation called "Turbidity Network" in this catalogue) from which data are available in the publication "Atmospheric Turbidity and Precipitation Chemistry Data for the World", Environmental Data Service, Asheville, N.C. 28801, USA.

Representative turbidity values in rural areas are in the summer 0.1 and in the winter 0.05. Urban areas have higher values caused by pollution in the lower layers of the atmosphere.

In the stratosphere an upper layer of dust caused by aerosols from large volcanic eruptions contributes to the turbidity.

Another important parameter affecting the radiation is the reflectance, also called the albedo. For instance overcast sky and snow covered ground causes multiple reflection which contributes considerably to the diffuse solar radiation.

For a specific surface (soil, vegetation cover, snow etc.) the albedo is not fully specified by knowing the composition and the state of the surface, e.g. roughness and humidity. Primarily the spectral range must be defined because the wavelength dependence is considerable. For example the albedo of maize (corn) is about 10% in the visible and about 30% in the near infrared part of spectrum.

The albedo values for the range 0.3 - 4.0 µm will be affected as the spectral composition of global and diffuse solar radiation varies with solar height, cloud and turbidity conditions.

Another factor influencing the albedo is the angle of incidence of the radiation. That is why the albedo is significantly dependent upon solar elevation, especially for smooth surfaces and low altitutes of the sun.

The complex dependence on different factors causes daily, yearly and spatial variations of the albedo.

A few examples of albedo values can be found in table 2. More detailed information on albedo can be found in references [1, 5, 14, 15, 16, 17, 18] and some of those contain additional useful ones.

The earth and its atmosphere absorb much of the solar radiation. To avoid overheating the surface of the earth and the atmosphere with its clouds, dust and gases must radiate energy into the space. This energy balance is outlined in fig. 2.

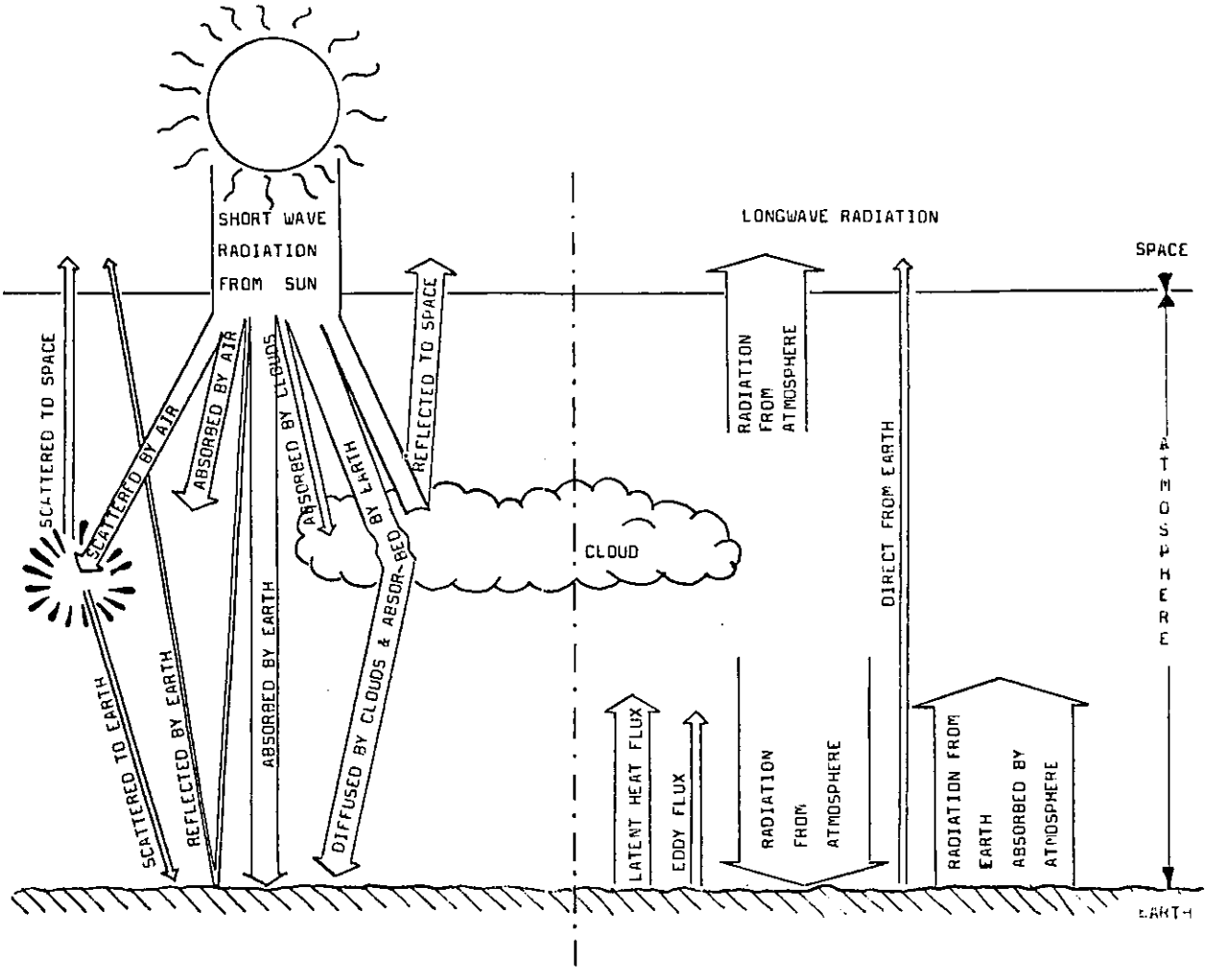

Fig. 2 Earth and atmosphere energy balance, [19].

More than 99% of the energy is emitted in the spectral range 4-100 μm. Since this range does not coincide with that of solar radiation, a special denomination is used in meteorology, namely longwave radiation or terrestrial radiation to distinguish it from the short-wave radiation or solar radiation.

The transmittance of longwave radiation in the atmosphere shows a strong variation with the wavelength. In the range 8-13 μm the air is very transparent and radiation can escape to space. This spectral range is known as the atmospheric window.

On the other hand, at some wavelengths absorption and emission of the atmosphere is so strong that only a one meter layer of air is needed to totally absorb the radiation emitted by a specific object.

The main gaseous absorbers and emitters of longwave radiation in the atmosphere are not oxygen and nitrogen but water vapour, carbon dioxide and ozone. Dust and clouds act approximately as 'black bodies' in the terrestrial range, i.e. they absorb all the incident radiation and emit the maximum radiation in that range.

COMPONENTS OF RADIATION

This is a brief presentation of the different radiation components and some of their properties. The terminology and the abbreviations for the various fluxes are defined in legend 2.

Solar radiation components

The primary flux is the DIRECT SOLAR RADIATION measured at normal incidence. The magnitude of the flux depends on the attenuation in the atmosphere and especially by clouds.

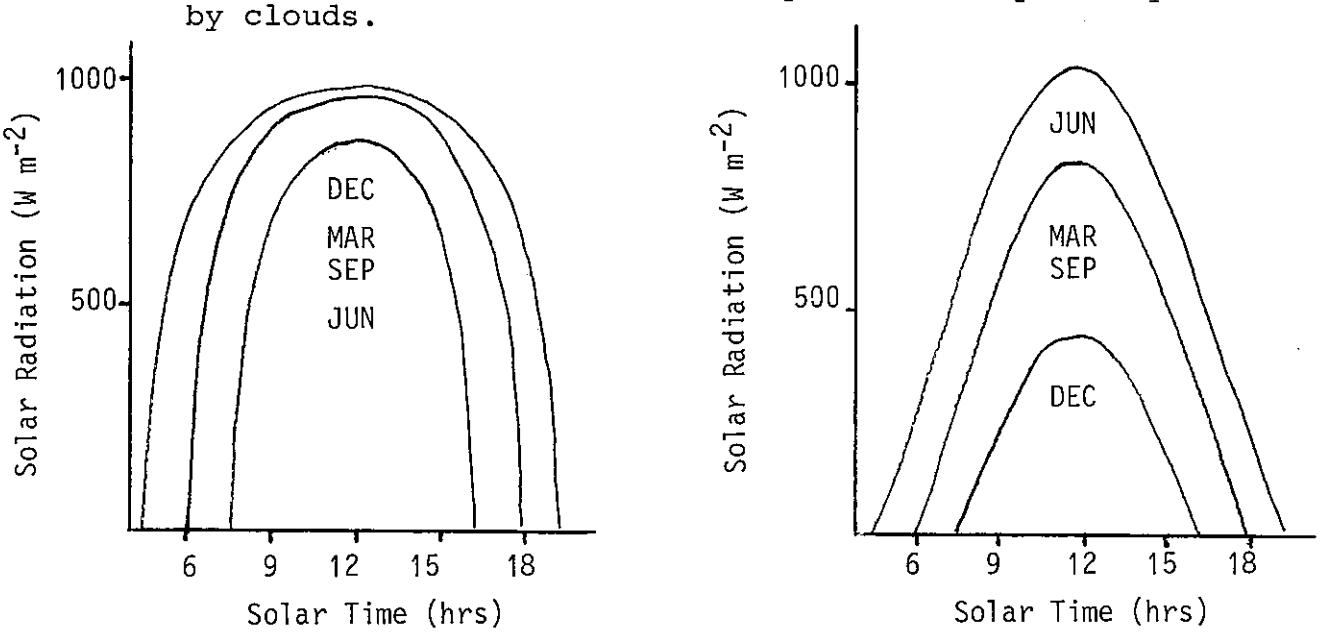

Fig. 3 Example of the daily variation of direct solar radiation (left) and global radiation (right) for a very clear day and for different times of the year at approximately 45° latitude.

Radiation received directly from the solid angle of the sun's disk and also scattered and reflected radiation from the sky is called GLOBAL RADIATION, earlier referred to as TOTAL RADIATION. It is usually measured on a horizontal surface. If the receiving surface is inclined a reflected flux is introduced. The measured radiation depends not only on the orientation and tilt of the surface but also on the albedo of the surroundings.

The DIFFUSE SOLAR RADIATION or SKY RADIATION is the scattered and diffusely reflected radiation from the sky. In clear conditions the diffuse solar radiation is about 10-30% of the global radiation. If the sun is obscured the components are identical.

The upward solar radiation reflected by the Earth's surface is called REFLECTED GLOBAL RADIATION.

The components above are usually measured so that all solar radiation is included. With the aid of filters the solar radiation in selected spectral bands can be measured. A purpose of those measurements may be to determine the atmospheric turbidity. A list of filters and their transmission bands is presented in legend 7.

Special cases are the measurement of the DAYLIGHT ILLUMINATION, the PHOTOSYNTHETICALLY ACTIVE RADIATION (PAR) and the ULTRAVIOLET RADIATION.

Measurements are also made of the solar radiation falling on a spherical receiving surface. The result will be dependent of the albedo of the surrounding, which implies less accuracy. Those observations are of minor importance for solar energy applications but in many countries it is the only radiation quantity measured. Daily values can be converted to the corresponding global radiation as received by a horizontal surface.

The SUNSHINE DURATION is the amount of time in which the direct solar radiation can activate the recording instrument, threshold limit approximately 200 W/m^2. It is not an energy measurement but a determination of the time the sun is unobscured by clouds, dust etc. Therefore the sunshine duration is highly correlated with the cloudiness, which in turn has a great influence on the solar energy fluxes.

A great number of stations measure sunshine duration, many of them with records extending over long periods. This makes sunshine data valuable for statistical treatment and for estimating global radiation in sparse networks.

The high correlation between sunshine duration and global radiation particularly for periods of several days or a month implies the existence of a relationship.

A frequently used linear relation between global radiation G and percentage of possible sunshine S is

$$G = G_o(a+bS)$$

where G_o is the extraterrestrial solar radiation on a horisontal surface and a and b are empirical constants.

Terrestrial radiation and total radiation components

Terrestrial radiation is emitted by all matter and is more complex to describe than solar radiation. In a broad sense terrestrial radiation behaves as if it is a diffuse flux.

The measured fluxes through a horizontal surface are the DOWNWARD ATMOSPHERIC RADIATION, the UPWARD TERRESTRIAL RADIATION and the NET TERRESTRIAL RADIATION.

Total radiation is the sum of solar radiation and terrestrial radiation. The quantities usually measured are the DOWNWARD TOTAL RADIATION, the UPWARD TOTAL RADIATION and the NET RADIATION.

RADIATION INSTRUMENTS

The terminology for radiation instruments used in the Data Source Catalogue is the terminology recommended by the World Meteorological Organization.

PYRHELIOMETER
A pyrheliometer is an instrument for measuring the intensity of direct solar radiation at normal incidence.

PYRANOMETER
A pyranometer is an instrument for the measurement of the solar radiation received from the whole hemisphere. It is suitable for the measurement of global or sky radiation.

PYRGEOMETER
A pyrgeometer is an instrument for the measurement of net atmospheric radiation on a horizontal upward-facing black surface at the ambient temperature.

PYRRADIOMETER
A pyrradiometer is an instrument for the measurement of both solar and terrestrial radiation (total radiation).

NET PYRRADIOMETER
A net pyrradiometer is an instrument for the measurement of the net flux of downward and upward total (solar, terrestrial surface and atmospheric) radiation through a horizontal surface.

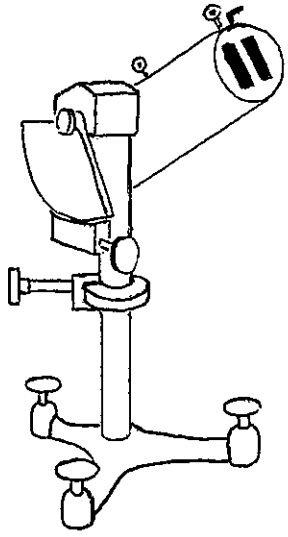

Fig. 4 The Angström electrical compensation pyrheliometer.

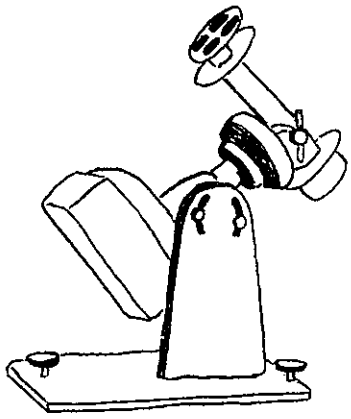

Fig. 5 The Eppley Normal Incidence Pyrheliometer (NIP) mounted on a solar tracker

Pyrheliometers

Direct solar radiation is measured with pyrheliometers. Only the most well known types are discussed briefly below.

The WMO classifies pyrheliometers as standard, first class and second class. Another classification is based on the concept of absolute and relative instrument. Most pyrheliometers are relative instruments and have to be calibrated against a standard instrument, normally the Ångström pyrheliometer or the silver-disk pyrheliometer, although the second one is not an absolute instrument.

During the 1960's substantial efforts have been made to develop improved absolute pyrheliometers. Well known are the Active Cavity Radiometer (ACR) and the Practical Absolute Cavity Radiometer (PACRAD), now comercially available as the Eppley-Kendall radiometer. They are often referred to as absolute radiometers, cavity pyrheliometers or self calibrating pyrheliometers. In comparisons the measurements of these new developed pyrheliometers have produced close agreement.

Pyrheliometers are often provided with filters to make it possible to measure the solar radiation in various bands.

Instruments in routine operation have large aperture angles compared with the angle of the sun's disk, 0.5°. Consequently they will view different amounts of the circum-solar sky, e.g. Ångström pyrheliometer 3°x12° or 2°x7°, Eppley NIP 5.7° diameter of circular aperture, Linke-Feussner pyrheliometer 10.2° diameter of circular aperture. This will introduce an error if the purpose of the measurement is to determine the radiation from the sun's disk only or to compare two pyrheliometers with different apertures.

Other sources of error are turbulent transport of heat from the sensor, dependence of instrument temperature and scattering of radiation inside the instrument.

The Ångström pyrheliometer

The sensor of the pyrheliometer is two blackened manganin strips situated at the lower end of a collimator tube. The strips can alternately be shaded from the sun and each of them is connected to an electrical circuit.

Two thermojunctions are attached to register the temperature difference between the strips.

In operation one strip is exposed to the direct solar radiation, while the other one is heated by an electric current to achieve equal temperature of the strips. This is controlled by a galvanometer connected to the thermojunctions.

By alternate exposure of the strips the compensation electric current, i, is determined. The direct solar radiation, I, is then obtained from

$$I = K\, i^2$$

where K is the instrument constant. Normally K is determined by reference to a standard pyrheliometer, but it may be calculated in terms of the instrument characteristics. Therefore the Ångström pyrheliometer is an absolute instrument. Fig. 4.

The silver-disk pyrheliometer

In the silver-disk pyrheliometer solar radiation is absorbed by a blackened silver disk at the base of a collimator tube, with aperture angle 5.7° diameter.

A shutter is rotated to alternately shade and expose the disk. A thermometer inserted into the disk measures the changes in temperature due to the radiation. Readings and shadings are made in carefully timed sequence. When the temperature readings are corrected for air, stem and bulb temperatures the direct solar radiation may be obtained.

Eppley normal incidence pyrheliometer (NIP)

The sensitive element of the Eppley NIP is a thermopile mounted at the base of a brass tube, which is hermitically sealed and filled with dry air. A temperature compensating circuit minimizes the dependence on ambient temperature.

The pyrheliometer has a robust and weatherproof design and is provided with a filter wheel for spectral measurements. It is suitable for spot readings as well as for continuous recording. In the latter case an equatorial mounting is required for sun tracking (fig. 5).

Linke-Feussner pyrheliometer

In the Linke-Feussner pyrheliometer two equal sections of a thermopile are used as the sensor. One section is exposed to the radiation and the other is shaded. Temperature fluctuations of the environment are compensated because they are supposed to influence both sections equally. A thermometer embedded in the pyrheliometer makes it possible to correct the measurements for their dependence on the instrument temperature.

Michelson bimetallic pyrheliometer

In the Michelson bimetallic pyrheliometer the solar radiation causes a deflection of a very fine bimetallic fiber, that is observed through a microscope. The instrument must be frequently compared to a reference standard to achieve a reliable calibration constant.

Pyranometers

Instruments called pyranometers are used to measure solar radiation from a solid angle of 2π steradians. The pyranometer is usually mounted horizontally but it can of course have another orientation, in which case reflected solar radiation will have an influence on the measurement.

The diffuse solar radiation component is measured by shading the pyranometer from direct solar radiation with a shadow ring or with a sun tracking disk, see fig. 6 & 7. Compared with the shading disk equipment, the shadow ring is simple in construction and also inexpensive. A correction factor has to be used, because a part of the diffuse solar radiation is intercepted by the shading ring.

Thermopile types

Most pyranometers in routine use are of the thermopile type. Most popular are those manufactured by Eppley Lab. and Kipp and Zonen. These instruments have a thermopile that records the temperature difference between a black surface, exposed to solar radiation, and a white surface or a heat sink. The difference is a function of the amount of solar radiation.

To protect the receiving surface from the influence of wind, dust, precipitation etc., and to filter terrestrial radiation it is covered by one or two glass hemispheres. Glass hemispheres in use are transparent for the main part of the solar spectrum. In the ultraviolet region the transmission decreases and for the infrared radiation with wavelengths greater than 2-5 µm the glass is opaque.

This selective spectral sensitivity introduces errors if the measurement conditions are different from those under which the instrument is calibrated. For routine use this error is negligible.

The whole ultraviolet part of the solar radiation penetrating the atmosphere will be included in the measurement if the glass hemisphere is replaced by one of quartz.

For measurement in selected spectral bands the glass dome is replaced by spectral filters. Different Schott spectral filters and their spectral range of transmission are presented in legend 7.

The response of a pyranometer should be proportional to the cosine of the angle of incidence of radiation. For practical instruments the response does not follow the true cosine variation, with significant errors occurring at large incidence angles. The rectangular Kipp and Zonen thermopile introduces an asymmetry in azimuth into this cosine error.

Another complication of pyranometers is that the sensitivity depends on the temperature of the instrument. Certain modern instruments are compensated for this effect to minimize this source of error. Data recorded with uncompensated pyranometers may have a considerable error of this type, unless corrections based on the air temperature have been applied to the measured values.

The quality of radiation data is dependent on many factors. A pyranometer that is carefully calibrated and reasonably well maintained, i.e. compared with a standard instrument, inspected at least once a day, cleaned, level controlled, time checked etc., is expected to have an accuracy of ±5% for daily sums of global radiation. Hourly sums from routine observations of course have lower accuracy, particularly at low sun elevations.

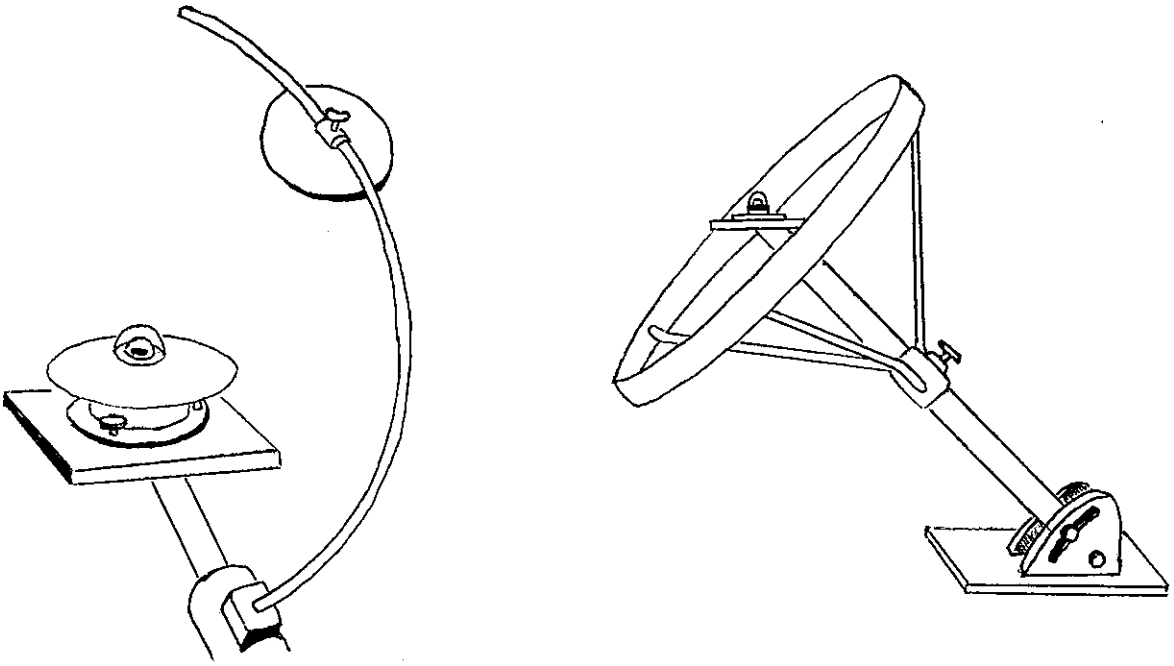

Fig. 6 & 7 A shadow ring and a shading disk together with pyranometers for the measurement of diffuse solar radiation.

Bimetallic pyranometers

The bimetallic pyranometer is used all over the world. It is a simple self recording instrument, which makes it suitable for remote operation.

There are different types in routine use but they all work similarly. The sensor is a blackened horizontal bimetallic strip that bends depending on the amount of solar radiation. Through a mechanical linkage the bending causes a deflection of a recorder pen, that makes a trace on a chart mounted on a rotating drum.

The bimetallic pyranometer is not recommended for any measurements except daily totals. Even with the most careful calibration these daily totals must be regarded as having an accuracy not better than ±10%.

The distortion of the strip is not only a function of the amount of solar radiation received. It is also depending on the ambient temperature and the fact that the strip does not remain flat. This in turn makes the calibration constant a function of both solar elevation and solar azimuth.

Due to the large heat capacity of the sensor the response (98% of a step-function change of radiation) is slow, 10-15 minutes.

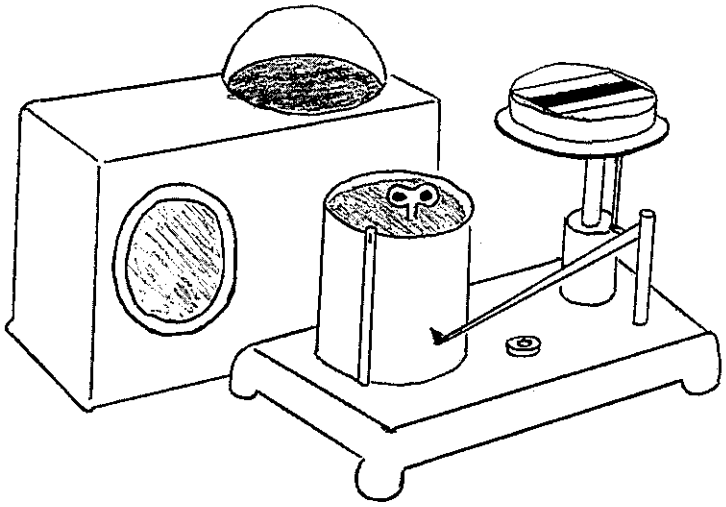

Fig. 8 A bimetallic pyranometer (actinograph) with cover removed.

Solar cells

Solar cells are simple and inexpensive. This makes them attractive as sensors in pyranometers.

Two main disadvantages of solar cells are that they only measures a part of the solar spectrum and that the response deviates strongly from the ideal cosine law. Generally the cosine response is improved by mounting the cell below a diffuser.

Despite low accuracy solar cells are used to measure radiation, preferably daily sums.

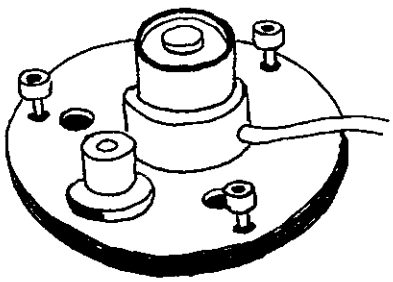

Fig. 9 Mounted solar cell sensor from Lambda Inst. Corp.

Spherical distillation pyranometers

Measurements of global radiation on a spherical surface with different types of the Gunn-Bellani integrating spherical pyranometer are denoted G(BS) in the Data Source Catalogue. A number of models of the instrument are available but they all have the same basic design.

Solar radiation is absorbed by the blackened surface of a sphere enclosed in a glass-bulb. The black sphere, containing a liquid, is heated. The liquid evaporates and the vapour is transferred to a chamber where it is condensed.

The accumulated volume of the liquid in the chamber is a measure of the radiation received. It is normally read and reset once a day. More frequent readings will be affected with large errors, because of the great lag of the instrument due to the large heat capacity of the black sphere and the liquid.

Sources of error for the spherical pyranometer are ambient air temperature, wind speed, temperature dependent threshold radiation and of course the albedo of the surroundings.

Distillation pyranometers with a horizontal surface exist but normally the data referred to a spherical surface are converted to give the global radiation as received by a horizontal surface. This conversion of course lowers the accuracy of data.

Recorders of sunshine duration

Different types of instrument have been used to measure the duration of sunshine. The measurement with one type of instrument will probably not agree with that made with another instrument. Therefore the Campbell-Stokes recorder was adopted as standard of reference in 1962. It is called the interim reference sunshine recorder (IRSR) and in the future all values of sunshine duration should be reduced to this standard, if not a note with the reduction factor should be attached to the data.

The two most common instruments (1979) are presented below. New types of instruments have been developed and data from those will be available in a near future.

Campbell-Stokes sunshine recorder

The Campbell-Stokes sunshine recorder consists of a glass-sphere mounted in a section of a spherical bowl. The sun's rays are focused, by the sphere, on a card inserted in slots inside the bowl. If the intensity of solar radiation is over the threshold limit (IRSR-threshold approximately 200 W/m^2) a trace is burned in the card.

Sources of error are unsatisfactory adjustment of the bowl, inserting of the cards, levelling of the instrument and also wet cards and frost on the bowl. The latter can be prevented by heating the instrument.

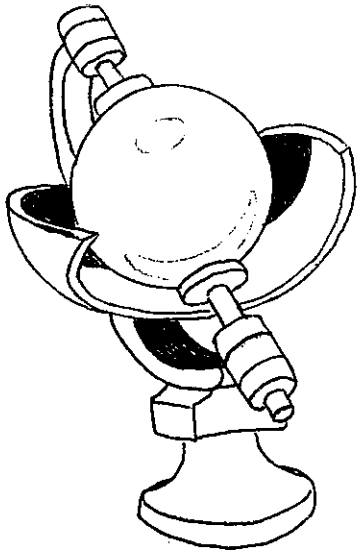

Fig. 10 The Campbell-Stokes sunshine recorder.

Foster sunshine switch

In the Foster sunshine switch two photo-cells act as the sensor. One cell is shielded from the direct solar radiation, while the other is not. They are both exposed to the diffuse solar radiation, but balanced to each other that no response result if the sun is obscured. However, exposed to direct solar radiation

there will be imbalance between the cells and the instrument gives a response activating a recorder.

This instrument is not commercially available.

Pyrgeometers, pyrradiometers and net pyrradiometers

Radiometers for the measurement of longwave radiation are called pyrgeometers.

Total radiation (longwave and shortwave radiation) and net radiation are measured with pyrradiometers and net pyrradiometers.

A large number of different types of radiometers measuring these components exist. Below only a selection of instrument will be presented but different types have many problems and operate in common and it will be beyond the scope of this introduction to enter into details. For further information reference may be made to the manufactures manuals and to [1, 6].

The large spectral range that is to be measured by pyrradiometers introduce specific problems, because there is no ideal material either for the "black" receiving surface or for a shielding dome. This makes the response, the calibration and the cosine-error dependent on the wavelength.

Estimates of the accuracy of net radiation measurements during the IGY, International Geophysical Year 1957-1958, as quoted by Robinson 1964, [20], are the following:

Hourly sums	±20% or ±20 Jcm^{-2},	whichever the largest
Daily sums	±15% or ±40 Jcm^{-2},	whichever the largest
Monthly sums	±15% or ±400 Jcm^{-2},	whichever the largest
Annual sums	±15% or ±800 Jcm^{-2},	whichever the largest

The estimated accuracy of downward atmospheric radiation and net radiation during the IFYGL, International Field Year for the Great Lakes, is approximately ±4%. Reference [4].

Eppley precision infrared radiometer (pyrgeometer)

This pyrgeometer is a development of the Eppley PSP. The sensitive element is a blackened surface of a thermopile and the response is compensated for dependence of the instrument temperature.

Shortwave radiation is eliminated by a silicon hemisphere with an interference filter deposited on its inner surface. The transmission of longwave radiation is in the range 4-50 μm.

If using data from this instrument one must be careful, because accurate measurements are difficult to obtain.

Gier and Dunkle net pyrradiometer and pyrradiometer (Beckman and Whitley, Teledyne Geotech)

The sensor of the radiometer consists of a thermopile between two thin blackened and horizontal plates. The temperature difference between the upper and lower surface is assumed to be a function of the difference

in radiation incident upon the two surfaces but heat can also be exchanged with the ambient air by nonradiative processes, e.g. evaporation, convection and conduction.

This problem can partly be controlled by shielding the sensor or, as for the Gier and Dunkle instrument, by establishing a ventilation across the plates. The ventilation must be uniform to assure that convective heat losses from both plates are equal. This can be tested by inverting the instrument.

The wind affects the response, particularly at counterflow and for speeds over 5 m/s.

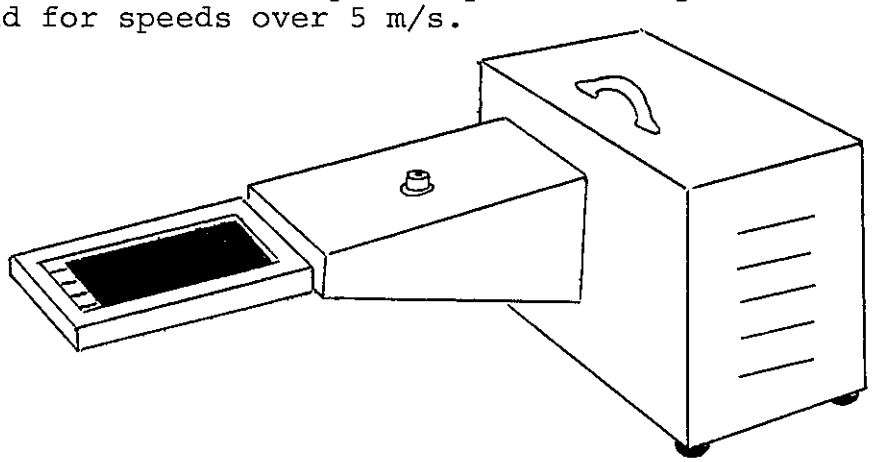

Fig. 11 The Gier and Duncle net pyrradiometer.

The net pyrradiometer may be converted into a pyrradiometer by putting a blackened plate of metal as a shield below the lower surface. If the temperature of the shield is equal of the temperature of the lower surface the instrument will measure the downward total radiation.

Funk net pyrradiometer and pyrradiometer (CSIRO), Middleton

Shielding of the sensor is one method of controlling and minimizing the non-radiative effects.

The receiving surfaces of the Funk net pyrradiometer are protected by two hemispheres of thin polyethylene which is transparent from about 0.3 μm to 100 μm, but there are narrow absorbtion bands.

To prevent condensation and to keep the shield spherical they are inflated by a slow strem of dry gas. By a heating ring or a stream of dry air the formation of dew on the outside is prevented.

The sensor is a thermopile in good thermal contact with two thin plates of blackened aluminium.

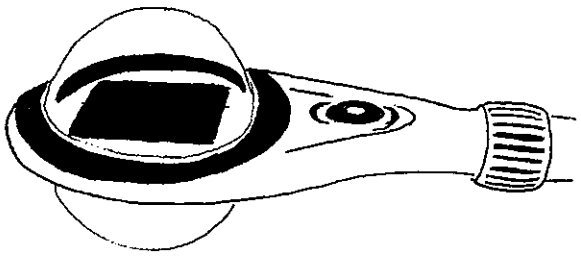

Fig. 12 The Funk net pyrradiometer.

The Funk net pyrradiometer and also other types of net pyrradiometers can be used as pyrradiometers by shielding one surface of the sensor from radiation exchange. The measured response is a function of the incident radiation upon the other surface minus the radiation emitted by the instrument itself. The latter can be determined by measuring the temperature of the instrument.

General remarks about quality of radiation data

Before dealing with measured radiation data one should be aware of some fundamental concepts, namely the time system used, the radiometric scale and units of the data and their estimated accuracy.

Solar data are often related to True Solar Time (TST), alternatively called Local Apparent Time (LAT) and not to Local Standard Time (LST). As a consequence hourly values recorded in two different systems are not comparable. Fortunately this is not true for daily and monthly values. The Japan Meteorological Agency uses LST and so does NOAA (USA) since 1977.

Dispite the introduction of the International System of Units (SI) there are still, and will probably remain so, other units in use for radiation quantities, for example Jcm^{-2} and $mWh\ cm^{-2}$.

Earlier the Langley ($cal\ cm^{-2}$) was the most frequently used unit for energy density. Conversion factors for units of energy (radiant energy), energy density (irradiation) and power density (irradiance) are presented in table 1.

When comparing different data samples it is important to know if they are referred to the same radiometric scale. By recommendation from the International Radiation Conference, Davos 1956, data should be adjusted to the International Pyrheliometric Scale (IPS 1956).

A new reference, the World Radiometric Reference (WRR), is proposed to be brought into effect on 1 January 1981. To change data referred to IPS 1956 to WRR they have to be multiplied by 1.022.

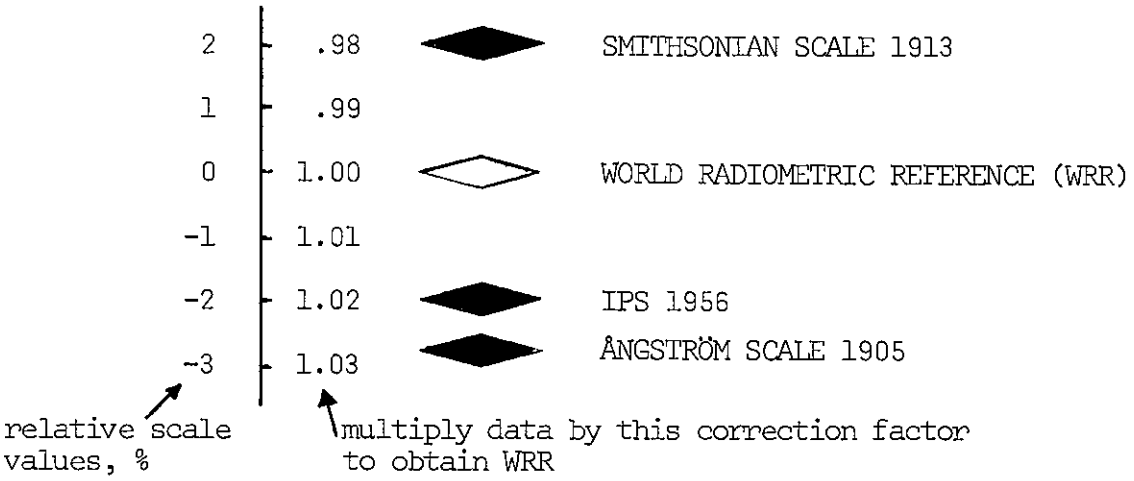

Fig. 13 Radiometric scales and correction factors, [8] .

Measured radiation data may be representative only for a small area around the station and are not necessarily applicable to an adjacent place. Users are cautioned against interpolation techniques as radiation regimes are subject to modifications caused by:

i) albedo values differing from the surroundings
ii) non-representative cloudiness
iii) local air pollution

The main sources of error for radiometers are listed disregarding their significance and application for a specific instrument.

i) Instrument characteristics
ii) Recording system
iii) Maintenance and calibration
iv) Data processing

The absolute accuracy of radiation data is hard to determine. However, it is possible to make estimates of systematic and random errors to provide an indication of probable errors. References [1, 3, 4, 6, 7, 20].

RELEVANT METEOROLOGICAL PARAMETERS

This section comprises a brief presentation of meteorological parameters that are relevant for solar energy applications.

For stations listed in the Catalogue there is no explicit information about those parameters, only the daily frequency of observations is given in column 9 of the part called Data List. Detailed information about instruments, accuracy of data etc. can only be given by the administrator of the station.

The accuracy requirements in the text are applicable to most climatological and synoptic observations. References [2, 3].

Wind

The standard exposure of wind instrument is 10 m above the ground and in an open terrain.

i) Wind direction is usually measured by a vane and is averaged over a 1, 5 or 10 minute period and reported to the nearest 10 degrees.
Accuracy: $\pm 10^{o}$

ii) Wind speed measured by a cup- or propeller-anemometer is averaged over a 1, 5 or 10 minute period and is recorded to the nearest m/s, knot or mile/hour.
Accuracy: ±0.5 m/s up to 5 m/s
±10% above 5 m/s

There are stations recording both the wind direction and the wind speed continuously on strip charts.

Visibility

The visibility is the greatest distance at which an object can be identified when observed against a background of sky or fog.

Visual observation is the method most used, only a few stations use instruments. The visibility is reported in hectometers and kilometers.

Accuracy: ±10-20%

Precipitation

The amount of precipitation is the vertical depth in millimeters of the water (if snow, melted) solid or liquid which falls to the ground during a known period of time.

The precipitation is measured with a gauge, a cylinder, open at one end and with a known area.
Accuracy: ±0.1 mm up to 10 mm
±2% for larger amounts

Pressure

Atmospheric pressure can be measured by mercury barometers or aneroid barometers. The instrument is usually placed in a room where it is protected from draught, direct sunshine, temperature changes and rough handling.

Pressure is still reported in millibar (mbar) but as this unit does not belong to the International System of Units (SI) there are plans to report the pressure in kilopascals (kPa). A mbar is equal to 100 Pa or 100 N/m^2. Standard pressure at sea-level is considered to be 1013.2 mbar or 101.32 kPa. Many stations use a barograph to get a continuous record of the atmospheric pressure.

Accuracy: Mercury barometer ±30 Pa (0.3 mbar)
Aneroid barometer ±50 Pa (0.5 mbar)
Barograph ±100 Pa (1.0mbar)

Temperature

The temperature is usually recorded in a well ventilated, white painted shelter, in which the sensor is protected from radiation, wind and precipitation. The instrument is supposed to be placed 1.25 - 2 m above ground and in representative surroundings.

A standard instrument is the psychrometer which beside air temperature can be used to determine the humidity of air. Also in common use is the bimetallic thermograph to achieve a continuous record of the temperature. The unit generally used for temperature is degrees centigrade (^{o}C).

Accuracy: Psychrometer: ±0.1^{o}C
Thermometers for extreme temperatures: ±0.5^{o}C
Bimetallic thermograph: ±0.5^{o}C

Humidity

The amount of water vapour in the air can be expressed in many terms; relative humidity, vapour pressure, dewpoint etc. They can all be converted into each other if the air temperature and the pressure are known.

Hair hygrometers and psychrometers are most widely used. Readings are very often simultaneous with temperature measurements. For continuous recording hygrographs are in common use.

Accuracy: Psychrometer: ±2%
Hair hygrometer: ±5%
Hygrograph: ±5%

Less accuracy is achieved at low relative humidity and at low temperature.

Cloud

Visual observation gives the AMOUNT of the sky that is covered with clouds in a scale of tenths or eighths. Note that the clouds do not have to be opaque.

The TYPE of the clouds are also determined by visual observation. For details see the International Cloud Atlas, WMO, Geneva, Vol. I and II, 1956.

HEIGHTS of clouds are reported in dekameters and can be based on visual estimation, aircraft reports or instrument readings. The accuracy depends strongly on the method.

TABLE 1

CONVERSION FACTORS

Energy (radiant energy)

From To	J = Ws	kcal	Wh	BTU
J = Ws	1	238.8×10^{-6}	277.8×10^{-6}	947.8×10^{-6}
kcal	4.184×10^{3}	1	1.162	3.968
Wh	3.600×10^{3}	859.8×10^{-3}	1	3.410
BTU	1.054×10^{3}	252.0×10^{-3}	292.9×10^{-3}	1

Energy density (irradiation)

From To	ly=cal cm^{-2}	Jm^{-2}	Wh m^{-2}	BTU ft^{-2}
ly = cal cm^{-2}	1	41.84×10^{3}	11.63	3.6867
J m^{-2}	23.89×10^{-6}	1	277.8×10^{-6}	88.11×10^{-6}
Wh m^{-2}	85.93×10^{-3}	3.60×10^{3}	1	316.82×10^{-3}
BTU ft^{-2}	271.25×10^{-3}	11.35×10^{3}	3.152	1

Power density (irradiance)

From To	ly min^{-1}	Wm^{-2}	BTU $min^{-1}ft^{-2}$	BTU $h^{-1}ft^{-2}$
ly min^{-1}	1	697.3	3.688	221.2
Wm^{-2}	1.434×10^{-3}	1	5.285×10^{-3}	317.21×10^{-3}
BTU $min^{-1}ft^{-2}$	271.1×10^{-3}	189.2	1	59.97
BTU $h^{-1}ft^{-2}$	4.5208×10^{-3}	3.152	16.68×10^{-3}	1

Example

To convert BTU $h^{-1}ft^{-2}$ to Wm^{-2} multiply by 3.152, e.g. 100 BTU $h^{-1}ft^{-2}$ is equal to 315.2 Wm^{-2}.

TABLE 2

ALBEDO-VALUES

(short-wave radiation, approx. 0.3-4.0 µm)

Type of Surface:	Albedo (%):
Sand	10 - 40
Fields	3 - 25
Grass	15 - 30
Forests, coniferous	10 - 15
Water, ocean	5 - 10
Snow & Ice	45 - 90
Cities	5 - 30
Cloud, stratus	5 - 85

TABLE 3 MEAN DAILY GLOBAL RADIATION (J CM^{-2})

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	YRS
Sidi-Bou-Said, Tunisia	862	1151	1531	1958	2431	2594	2694	2385	1866	1431	1134	778	1736	6
Tahrir, Egypt	1268	1640	2004	2397	2694	2870	2824	2607	2222	1757	1326	1130	2063	10
Casablanca, Morocco	971	1326	1636	2159	2389	2469	2540	2884	1975	1452	1054	874	1761	4
Bissau, Guinea-Bissau	1803	2071	2351	2414	2330	2146	1971	1803	1925	1966	1824	1695	2033	9
Wad Medani, Sudan	2050	2310	2469	2590	2464	2397	2268	2259	2356	2238	2121	2029	2297	10
Benin City, Nigeria	1523	1682	1749	1724	1749	1548	1297	1293	1397	1640	1745	1582	1582	8
Nairobi, Kenya	2314	2318	2230	1912	1669	1552	1276	1389	1916	1987	1904	2251	1904	10
Kisangani, Zaire	1657	1812	1874	1879	1816	1669	1498	1510	1778	1866	1724	1669	1715	9
Dundo, Angola	1648	1678	1695	1699	1741	1653	1565	1464	1682	1807	1720	1736	1665	9
Pretoria Forum, South Africa	2452	2259	2050	1699	1515	1397	1502	1812	2171	2293	2431	2527	2004	8
Port Elizabeth, South Africa	2510	2222	1841	1431	1117	954	1033	1301	1669	2092	2439	2611	1770	10
Cape Chelyuskin, U.S.S.R.	0	17	335	1243	2201	2284	1611	849	326	59	0	0	745	10
Verkhoyansk, U.S.S.R.	21	205	761	1506	1920	2159	1941	1305	695	293	63	4	908	10
Omsk, U.S.S.R.	276	628	1088	1540	1904	2134	2096	1577	1109	544	293	201	1117	10
Petropavlovsk-Kamchatsky, U.S.S.R.	347	661	1184	1715	1741	1774	1699	1410	1197	757	418	264	1096	10
Tashkent, U.S.S.R.	678	962	1234	1766	2385	2766	2736	2502	1933	1268	782	515	1628	10
Ulan-Bator, Mongolia	611	1008	1490	1849	2167	2272	2008	1766	1527	1109	665	477	1414	10
Pyonggyang, Korea	816	1163	1510	1782	2079	1962	1594	1531	1506	1264	828	699	1393	9
Sapporo, Japan	565	862	1268	1602	1732	1816	1674	1481	1293	925	582	469	1188	10
Tateno, Japan	895	1113	1477	1519	1803	1556	1498	1674	1192	1025	879	816	1284	10
Fukuoka, Japan	657	849	1293	1389	1745	1669	1598	1720	1326	1134	820	569	1243	7
Macau	1100	1004	1146	1339	1623	1682	1933	1828	1803	1582	1385	1121	1464	9
Lahore, Pakistan	1017	1351	1795	2075	2297	2138	2050	1895	1900	1582	1222	1000	1695	7
Shillong, India	1372	1799	1916	1996	1887	1397	1464	1410	1389	1368	1414	1397	1565	5
Ahmadabad, India	1711	2042	2360	2573	2682	2251	1770	1644	2029	2063	1799	1636	2046	9
Madras, India	1849	2238	2414	2431	2264	2067	1941	2021	1992	1728	1531	1502	1996	9
Maracaibo, Venezuela	1544	1707	1799	1690	1548	1665	1753	1753	1644	1519	1393	1431	1619	10
Ciudad Bolivar, Venezuela	1611	1816	1966	1920	1799	1699	1791	1870	1874	1749	1619	1586	1774	10
Puerto Viejo, Equador	1172	1243	1377	1443	1272	1059	1155	1272	1377	1276	1184	1213	1251	4
Huancayo, Peru	2653	2414	2356	2356	2222	2259	2268	2427	2582	2686	2791	2594	2469	3
Parina Cota, Chile	1925	1816	1858	2008	1753	1623	1690	1975	2197	2397	2477	2188	1992	5
Valparaiso, Chile	2192	1803	1448	1004	669	510	649	933	1255	1615	1996	2176	1356	6
Lago Chapo, Chile	1720	1615	1247	724	393	285	331	548	845	1318	1669	1749	1038	5
Buenos Aires, Argentina	2519	2289	1849	1397	967	761	820	1201	1506	1912	2389	2561	1682	5
Port Stanley, Falkland Islands	2155	1582	1205	695	397	259	314	598	1042	1632	2105	2280	1188	3
Resolute, Northwest Territories	0	59	536	1498	2356	2519	1833	1109	531	130	4	0	883	10
Norman Wells, Northwest Territories	50	272	887	1623	2054	2188	1904	1423	724	310	84	17	967	5
Churchill, Manitoba	230	594	1234	1925	2142	2209	2100	1640	933	431	243	155	1155	8
Goose, Newfoundland	339	682	1142	1598	1774	1841	1770	1452	1029	594	318	251	1067	10
Edmonton, Alberta	377	715	1335	1778	2117	2163	2243	1866	1218	711	381	272	1264	10
Toronto, Ontario	515	820	1167	1602	1958	2176	2192	1862	1364	874	431	351	1276	10
Fairbanks, Alaska	67	297	891	1573	1929	2109	1816	1326	753	343	109	25	937	25
Seattle, Washington	314	582	1109	1686	2105	2138	2368	1891	1356	787	435	226	1255	9
Madison, Wisconsin	619	920	1310	1648	1950	2151	2222	1891	1456	1008	607	481	1356	45
Boise, Idaho	577	987	1431	2029	2448	2661	2803	2410	1925	1259	761	519	1653	10
Blue Hill, Massachusetts	640	954	1335	1628	1962	2134	2100	1879	1481	1113	678	565	1372	26
Nashville, Tennessee	623	954	1347	1807	2105	2305	2218	1979	1686	1289	870	628	1485	17
Albuquerque, New Mexico	1268	1615	2138	2586	2870	3038	2858	2619	2318	1833	1397	1155	2142	13
Los Angeles, California	1038	1385	1966	2155	2393	2494	2682	2431	2105	1561	1209	1008	1937	9
Miami, Florida	1460	1736	2046	2259	2314	2226	2226	2113	1841	1607	1477	1322	1887	10
Brownsville, Texas	1243	1427	1682	1908	2360	2552	2623	2377	1987	1720	1238	1100	1849	10
Honolulu, Hawaii	1519	1766	2159	2339	2582	2573	2573	2561	2397	2121	1782	1552	2159	4
Ciudad University, Mexico	1699	1950	2079	2142	2067	2071	1828	1749	1674	1678	1682	1515	1845	6
Swan Islands	1849	2075	2573	2703	2615	2276	2460	2473	2238	1912	1648	1598	2201	7
San Salvador, Salvador	1807	1929	2050	1979	1715	1824	2033	1904	1753	1707	1703	1736	1849	3

TABLE 3 MEAN DAILY GLOBAL RADIATION (J CM^{-2}) cont.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	YRS
Wake Island	1640	1874	2226	2431	2540	2498	2393	2243	2113	1920	1690	1586	2096	10
Quezon City, Philippines	1301	1582	1699	1933	1820	1615	1427	1393	1456	1339	1297	1192	1506	9
Singapore	1669	1833	1837	1732	1590	1577	1623	1619	1674	1628	1473	1418	1640	9
Canton Island	2460	2619	2653	2527	2347	2297	2301	2498	2678	2724	2510	2393	2498	8
Dili, Timor	1741	1745	1812	2004	1766	1732	1820	2004	2121	2213	2155	1895	1908	9
Nandi, Fiji	1954	1879	1695	1536	1385	1264	1339	1561	1774	1904	2075	1987	1695	8
Alice Springs, Australia	2573	2356	2159	2017	1552	1481	1636	1941	2310	2439	2623	2531	2134	4
Perth, Australia	2699	2489	2033	1335	1134	870	1021	1343	1791	2209	2464	2724	1841	5
Aspendale, Australia	2427	2184	1736	1188	757	644	703	937	1331	1799	2209	2439	1531	9
Wellington, New Zealand	2155	1987	1448	1017	623	519	556	774	1259	1720	2054	2218	1360	9
Invercargill, New Zealand	1966	1795	1218	757	469	364	444	699	1096	1548	1895	2167	1201	9
Reykjavik, Iceland	50	213	607	1096	1540	1506	1607	1246	695	326	88	21	761	10
Bergen, Norway	75	268	561	1113	1435	1619	1494	1218	695	310	109	46	745	8
Luleå, Sweden	38	238	690	1197	1682	1992	1837	1251	674	272	75	8	828	8
Jokioinen, Finland	79	289	766	1205	1753	2180	1920	1414	774	356	113	46	908	10
Taastrup, Denmark	159	381	812	1297	1749	2109	1824	1561	1008	531	230	121	983	9
Valentia, Ireland	247	515	933	1393	1745	1837	1732	1452	1059	582	305	188	1000	10
Cambridge, United Kingdom	230	444	816	1167	1640	1799	1648	1339	1054	611	331	180	883	8
Braunschweig, Germany Fed. Rep.	213	406	791	1159	1636	1849	1661	1448	975	548	243	146	920	10
De Bilt, Netherlands	209	431	803	1209	1648	1799	1611	1464	1050	615	280	180	941	10
Uccle, Belgium	218	414	799	1172	1632	1753	1636	1439	1096	653	297	172	941	10
Limoges, France	423	657	1121	1498	1837	2046	2109	1682	1439	992	510	377	1226	6
Angra, Azores	632	891	1305	1653	2021	2067	2092	1983	1540	1130	749	602	1389	9
Wien, Austria	280	506	908	1368	1774	1908	1933	1590	1167	745	351	243	1063	10
Locarno-Monti, Switzerland	556	841	1301	1711	1908	2142	2268	1891	1423	996	556	477	1339	10
Napoli, Italy	649	900	1335	1820	2234	2473	2515	2192	1640	1201	736	544	1519	10
Warszawa, Poland	188	347	778	1146	1586	1954	1828	1561	1017	556	205	130	1151	10
Beograd, Yugoslavia	510	761	1188	1657	2025	2255	2251	1975	1477	1079	594	368	1343	10
Archangelsk, U.S.S.R.	50	234	649	1201	1669	2013	1862	1268	623	222	67	21	824	10
Moscow, U.S.S.R.	238	502	954	1255	1824	2117	1858	1523	929	423	197	117	996	10
Odessa, U.S.S.R.	335	523	946	1515	1950	2238	2218	1933	1452	900	381	247	1222	10
Tbilisi, U.S.S.R.	556	833	1180	1536	2004	2205	2213	1874	1481	1084	615	477	1339	6
Bet Dagan, Israel	1042	1414	1787	2222	2640	2858	2807	2573	2192	1695	1238	967	1954	10

Approximate positions (X) of the stations in table 3.

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WORLD WEATHER RECORDS US Dep. of Commerce Period: 1921-1930 1931-1940 1941-1950 1951-1960	Contains monthly mean values for the period of pressure, temperature, precipitation, freeze and thaw dates
WORLD SURVEY OF CLIMATOLOGY, 1-14 H.E. Landsberg	Contains a description of the regional climate and various charts and tables with climatological information about pressure, temperature, precipitation, humidity, vapour pressure, wind, snow, cloudiness, duration of sunshine, global radiation and for some stations or regions direct radiation, diffuse radiation, albedo and ultraviolet radiation
TABLES OF TEMPERATURE, RELATIVE HUMIDITY AND PRECIPITATION FOR THE WORLD, PART I-VI AIR MINISTRY METEOROLOGICAL OFFICE	Contains monthly average of highest and lowest temperature for each month, daily maximum and minimum temperature, of relative humidity at 0600 & 1400, of precipitation. Absolute maximum and minimum temperature and maximum rainfall in 24 hr. for each month. A new edition will also contain mean values of sunshine duration.

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23. Liu, B. Y. H. and Jordon. R. C., Daily Insolation on Surfaces Tilted Towards the Equator, ASHRAE Journal, Vol. 3, No. 10, pp. 53-59, (1961).

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EXPLANATION

In the Data Source Catalogue the radiation measurements are related to the geographic site (station) where they have been obtained. Stations are placed under the country they belong to. Countries are arranged alphabetically within their region (figure 14). Canada and USA are subdivided into their states and provinces.

The stations of each country are divided in two groups, one that measures radiation and another that only measures sunshine duration. Within those groups, the stations are listed according to their latitude from north to south.

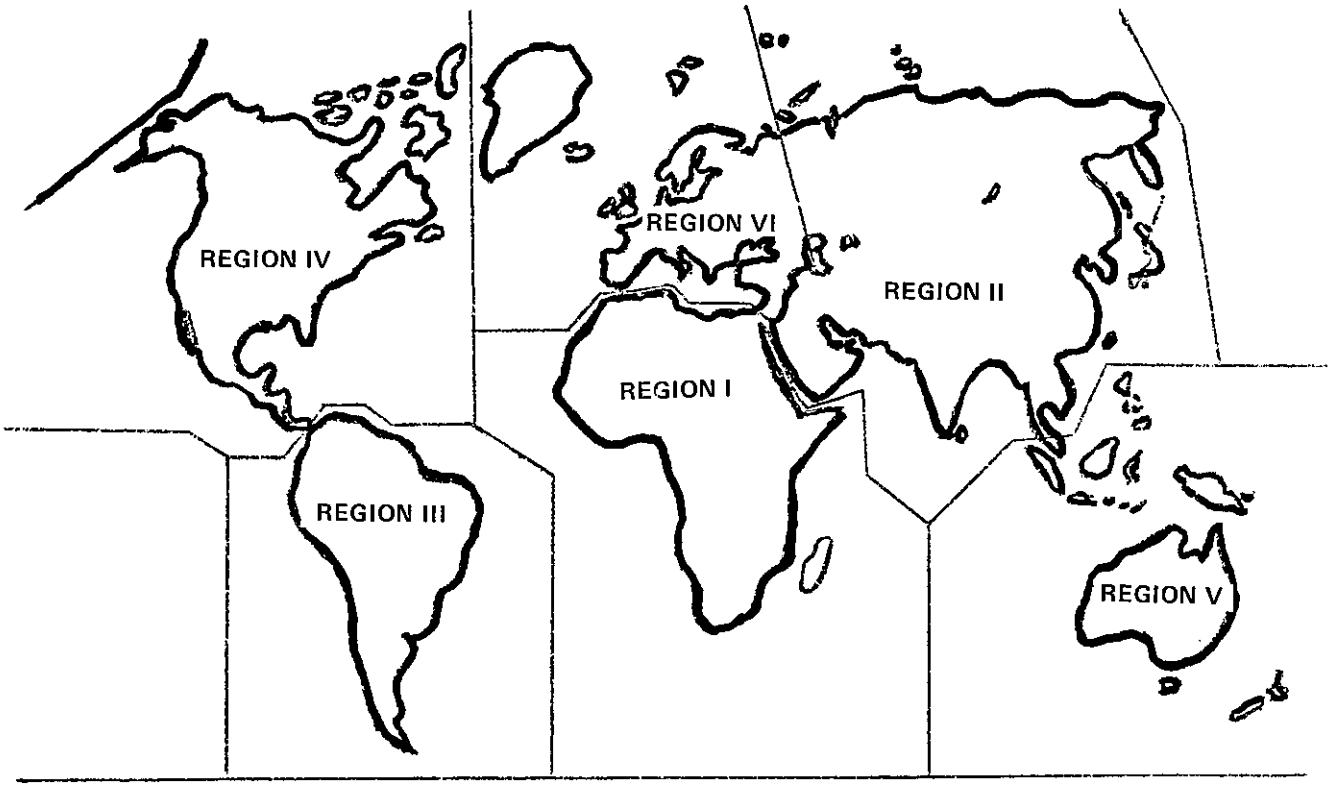

Fig. 14 The division in Regions used in the catalogue is according to WMO.

The "Data List" which is the main part of the catalogue is divided in columns, explained in legend 1.

Briefly the content is name and position of each station, the parent organization or administrator, the radiation component measured, the instrument used and the period for the measurement. The abbreviations are explained in legends 1-8.

The following three columns contain information on the type of data available in publications or from the administrator. The type of data available on magnetic tape or punchcards can also be deduced.

Column 9 is important because it contains the daily frequency of observations of other meteorological parameters. The observations are usually made independently of the radiation measurements since most sites are also a climatological or a synoptic observation station.

Some meteorological parameters might be registered continously. For example temperature and humidity are often measured with a recording instrument. For further information about the meteorological parameters see page 1-24.

References to climatic data compilations that can be useful are included, see page 1-31.

The last column gives additional information, for example the orientation and tilt of inclined surfaces.

Note that the catalogue only gives the availability of measured data as hourly and daily sums. By processing their data many countries are able to present statistical distributions as well as other types of average values than those mentioned in the catalogue.

There also exist more or less complex models and calculations of the correlation between different parameters.

For information about the availability of those special data the meteorological office of the actual country should be contacted.

In the section "Administrators and Publications" are the names and addresses of administrators and parent organizations of the stations listed together with publications for each country. The countries are arranged in the same way as in the "Data List". Requests for measured data and for further information about the stations should be sent to those addresses.

The catalogue also includes a "Library List" (only IEA), see page 2-3. For each library in the list, the available publications with radiation data are listed in the abbreviated form also used in the "Data List".

LIBRARY LIST
(only IEA)

Data that have been published, might be available from some of the libraries listed below. A number of publications available at each library have been listed in an abbreviated form.

The abbreviations consist of one, two or three letters followed by a number.

By using legend 8, the letters can be decoded to give the publishing country. In the list of administrators and publications of this country the publications are listed according to the number mentioned above.

Example:
In the column 6 of the "Data List" one can find D: A1 - SU1. The D: means that daily values can be found in the publications A1 and SU1.
Legend 8 gives A = AUSTRIA
SU = SOVIET UNION

From the list of "Administrators and Publications" for Austria and Soviet Union one can find:
A1 = Ergebnisse von Strahlungsmessungen in Österreich,etc.
SU1 = Solar Radiation and Radiation Balance Data, etc.

LIBRARY LIST, ONLY IEA

	Available publications					
AUSTRIA						
Central Institute for Meteorology and Geodynamic, Library, Hohe Warte 38 A-1190 Vienna	A1	A2	B1	B2	CH1	CH3
	D1	D2	D3	D4	DK1	GB1
	I2	IL2	IL3	IND2	IRL2	IS1
	IS2	J1	J2	N1	N2	NL1
	NL2	NZ1	P1	P2	S1	S2
	SU1	SU2	SU3	US1	US2	YU1
	ZA1					
BELGIUM						
Bibliothique de l'observatoire Royal de Belgique 3, Avenue Circulaire B-1180 Bruxelles	A1	A2	B1	B2	CDN1	CH1
	CH3	D1	D2	D3	D4	DK1
	GB1	I3	I5	IL2	IL3	IRL1
	IRL2	IS1	IS2	J1	J2	N1
	N2	NL1	P1	P2	R1	S1
	S2	SU1	SU2	US1	US2	US4
	YU1	ZA1				
CANADA						
The Librarian The Atmospheric Environment Service 1905 Dufferin Street Downsview Ontario, M3H 5T4	A1	A2	B1	B2	CDN1	CDN2
	CDN3	CH1	CH3	D1	D4	DK1
	GB1	I2	I3	I5	IL2	IRL1
	IS1	IS2	J1	J2	N1	N2
	NL1	P1	P2	S1	S2	SU1
	SU2	US1	US2	US3	US4	YU1
	ZA1					
GERMANY, FEDERAL REPUBLIC OF						
Bibliothek des Deutschen Wetterdienstes Frankfurter Str. 135 D-6050 Offenbach a.M.	A1	A2	B1	B2	CDN1	CDN2
	CH1	CH3	D1	D2	D3	D4
	D5	D6	DK1	GB1	I3	IL2
	IL3	IND1	IRL1	IRL2	IS1	IS2
	J1	J2	J3	N1	N2	NL1
	NL2	NZ1	P1	P2	R1	S1
	S2	SU1	SU2	SU3	US1	US2
	US3	YU1	ZA1			
ITALY						
Library Servizio Meteorologico Piazzale Archivi - Roma & Library Istituto Fisica Atmosfera P.le Sturzo 31 - Roma	B1	B2	CDN1	CDN2	CH1	CH3
	D1	D3	GB1	I1	I2	I3
	I4	I5	IL2	IL3	J1	J2
	NL2	S1	S2	SU1	SU2	US1
	US2	US3	US4			

Available publications

THE NETHERLANDS

Bibliotheek	A1	A2	B1	B2	CDN1	CDN3
Koninklijk Nederlands	CH1	CH3	D1	D2	D3	D4
Meteorologisch Instituut	GB1	I2	I3	I5	IL1	IRL1
De Bilt	IS1	J1	J2	J3	N1	N2
	NL1	NL2	P1	P2	R1	SU1
	SU2	US1	US2	US3	US4	YU1
	ZA1					

SWEDEN

Sveriges Meteorologiska	A1	A2	B1	B2	CH1	CH3
och hydrologiska Institut	D1	D2	D3	D4	D5	DK1
Box 923	I1	I2	I3	I5	IS1	IS2
S-601 19 Norrköping	J1	J2	N1	N2	NL1	NL2
	S1	S2	SF1	SF2	SF3	SF4
	SU1	SU2	US1	YU1	ZA1	

Meteorologiska institu-	A1	A2	A4	B1	B2	CH1
tionen	CDN3	D1	D2	D4	DK1	GB1
Uppsala Universitet	I3	IS1	J1	J2	N1	N2
Box 516	NL1	P1	S1	S2	SF1	SF2
S-751 20 Uppsala 1	SF3	SU1	SU2	US1	YU1	

SWITZERLAND

Meteorologische Zentral-	A1	A2	B1	B2	CDN1	CH1
anstalt	CH2	CH3	CH4	CH5	D1	D2
Krähbühlstrasse 58	D3	D4	GB1	I2	I3	I5
CH-8044 Zürich	IL2	IND1	IRL1	IS1	J1	J2
	J3	N1	N2	NL1	NZ1	P1
	P2	R1	US1	US2	ZA1	

UNITED KINGDOM

Meteorological Office	A1	A2	B1	B2	CDN1	CDN3
Eastern Road, Bracknell	CH1	CH3	D1	D2	D3	D4
Berkshire, RG12 2UR	DK1	GB1	I2	I3	I5	IL2
	IL3	IND1	IRL1	IS1	IS2	J1
	J2	J3	N1	N2	NL1	NL2
	P1	P2	R1	S1	S2	SU1
	SU2	SU3	US1	US2	US3	US4
	YU1	ZA1				

USA

NOAA - LISD D822	A1	A2	B1	B2	CDN1	CDN2
Building 4	CH1	CH3	D1	D2	D4	DK1
6009 Executive Blvd.	GB1	I2	I3	I5	IL2	IL3
Rockville, MD 20852	IDN1	IRL1	IS1	IS2	J1	J2
	J3	N1	N2	NL1	NL2	NZ1
	P1	P2	R1	S1	SU1	SU2
	US1	US2	US3	US4	US6	US7
	US8	YU1	ZA1			

= MATRIX = NUMBER OF STATIONS MEASURING DIFFERENT RADIATION COMPONENTS	DIRECT RAD cont inst I	I*	IX	GLOBAL RADIATION hor surf G	incl surf G/	filter GX	sphr surf G(BS)	DIFFUSE RAD hor surf D	incl surf D/	filter DX	REFL RAD R	INC LONGWAVE L+	OUT LONGWAVE L-	NET RAD L*	INC RADIATION Q+	OUT RADIATION Q-	NET RADIATION Q*	ILLUMINATION E	UV RAD UV	SUN DUR S
SOUTH AFRICA		1		14				14												70
REGION I (except South Africa)		3		103			117	18											1	400x
JAPAN	1	13	1	68				1			1	1					1			90
		2																		
U.S.S.R. (Region II)		7		26				26			12						21			25x
REGION II (except Japan & USSR)		6		106				1									3			150x
				2																
REGION III		6		117													5			250x
CANADA	2			56	2			10			7	1			2		27	1		310
	2			30				2			4	1			4		11	1	1	
U.S.A.	80	5	1	302	56	5		20				2			6		3		4	165
	7	11		154	3	4		1				1			1		2		5	
REGION IV (except Canada & USA)		3		41			4													20x
				1		1														
AUSTRALIA	1	1	1	35	3			16	3								1		1	135
				8				3			1						1			
NEW ZEALAND				20				1												30
				7																
REGION V (except Aus. & NZ)	1	1		40		1		1												120x
				1																
ALBANIA		1		6				1			3									20
AUSTRIA		3		19	2			4			2						3	2		130
				14				2												
BELGIUM	1			6		1		1									1	1	1	20
				2																
BULGARIA		1		6				1									1			45
CYPRUS				1																2
CZECHOSLOVAKIA		2		4			1	2			1						1		1	130
							1										1			
DENMARK				1				1			1						1			35
					1															
FINLAND		5		10	1			9			5						5			35
FRANCE	2	1	1	25				9							1		1			110
					2												1			
GERMAN DEM. REP.		1		6	1			4			1						1			90
		1		1			1	1			1						1			
GERMANY, FED. REP. OF				33	1			15			2	1	1				1	1	1	130
	1	1		9	1			2	1	1	3	1	1				2			
GREECE		1	1	12																40
GREENLAND																				
HUNGARY		2		9				1			1						1			20
		2		8	1												1			
ICELAND				1																9
IRELAND		1	1	6	1		1	2									1			50
	1			1																
ISRAEL	1			9	1			3	1						2		4			5
				1																
ITALY				33		1	1	1										1		130
JORDAN				10																15
LEBANON				2																

Upper figure indicates the number of stations in operation
Lower figure indicates the number of stations out of operation

The number of sunshine duration stations is approximate and an "x" indicates an estimated number. Note that they are not always presented in the catalogue.

= MATRIX = NUMBER OF STATIONS MEASURING DIFFERENT RADIATION COMPONENTS	DIRECT RAD cont inst I	DIRECT RAD cont inst I*	DIRECT RAD filter IX	GLOBAL RADIATION hor surf G	GLOBAL RADIATION incl surf filter G/	GLOBAL RADIATION incl surf filter GX	GLOBAL RADIATION sphr surf G(BS)	DIFFUSE RAD hor surf D	DIFFUSE RAD incl surf filter D/	DIFFUSE RAD incl surf filter DX	REFL RAD R	INC LONGWAVE L+	OUT LONGWAVE L-	NET RAD L*	INC RADIATION Q+	OUT RADIATION Q-	NET RADIATION Q*	ILLUMINATION E	UV RAD UV	SUN DUR S
MALTA																				2
				1				1									1			
THE NETHERLANDS	1		1	7		1													1	30
				2																
NORWAY		3		8				1			1	1			1	1		1	1	25
				10							2				3	3				
POLAND		12	12	14				5			1						1		1	11[x]
PORTUGAL		4	4	11			1	3			1						2			100
	1			1	1															
ROMANIA	1	4	4	8				1			1						6	4		
SPAIN		1	1	30				2				1								100
SWEDEN	1	1	1	16	1	1		2							1		1			30
		2		9				1										3		
SWITZERLAND	2	1	2	47	7	6	21	6	1		4				2	2	1		1	60
	2	1	1	9	2		6				6				3	3	1			
SYRIA		3		3				3												23
				1				1												
TURKEY				39																85
UNITED KINGDOM	2		1	33	1			15									6	1		350
				6				1										6		
U.S.S.R. (Region VI)		5		48				12			7			1			9			
YUGOSLAVIA		2	2	18			4	3			2						1			30
				2			2										1			
ANTARCTICA (different administrators)	1			22		1		3							2		5			16

Upper figure indicates the number of stations in operation.
Lower figure indicates the number of stations out of operation.

The number of sunshine duration stations are approximate and they are not always presented in the catalogue.
An "x" indicates an estimated number.

Legend 1

EXPLANATION OF COLUMNS

Column 1 (6 pos.) Station number

Column 2 (24 pos.) Name of station

Column 3 (2 pos.) Abbreviation of the parent organization or institution, e.g. administrator according to the list following each nation.

Column 4 (17 pos.) This column gives the latitude and the longitude in degrees and minutes followed by the elevation of the station (in some cases the instrument) in metres above mean sea level.

Column 5 (22 pos.) The letters before the parentheses indicate the radiation component. The letters in the parentheses indicate the instrument type. The parentheses are followed by figures indicating the start year and the end year (if not in operation) of the observation period.

The meaning of the symbols used in connection with the observation period:

62-71	Continuous record with no significant interruption.
55*59	Intermittent record or instantaneous measurements.
56-59, 60-	Significant interruption.

Note: The observation period does not usually coincide with the data availability given in columns 6, 7 and 8.

Abbreviations see legend 2 and 3.

Column 6 (16 pos.) The first letter(s) indicates the shortest integration time interval for the radiation values available in the publication(s) indicated by the following letters.

Abbreviations see legend 5 and 6.

Column 7 (3 pos.) The shortest integration time interval for the radiation values available from the administrator.

Abbreviations see legend 5.

Column 8 (3 pos.) The shortest integration time interval for the radiation values available on magnetic tape and/or punchcards.

Abbreviations see legend 5.

Column 9 (3 pos.)	The daily frequency of meteorological observations.
Column 10 (15 pos.)	Additional information. Abbreviations see legend 7.

Legend 2

RADIATION QUANTITIES

I DIRECT SOLAR RADIATION
Solar radiation coming from the solid angle of the sun's disk on a surface perpendicular to the axis of the solid angle.

G GLOBAL RADIATION
The downward direct and diffuse solar radiation as received on a horizontal surface from a solid angle of 2π.

D DIFFUSE SOLAR RADIATION (SKY RADIATION)
The downward diffuse solar radiation as received on a horizontal surface from a solid angle of 2π with the exception of the solid angle subtended by the sun's disk.

R REFLECTED GLOBAL RADIATION
The upward solar radiation reflected by the earth's surface.

L+ DOWNWARD ATMOSPHERIC RADIATION
Downward long-wave atmospheric radiation mainly emitted by the atmosphere.

L- UPWARD TERRESTRIAL RADIATION
Upward terrestrial surface and longwave atmospheric radiation.

L* NET TERRESTRIAL RADIATION
Net flux of atmospheric and terrestrial surface radiation. L* = (L+) - (L-)

Q+ DOWNWARD (TOTAL) RADIATION
Downward solar and downward atmospheric radiation.
Q+ = G + (L+)

Q- UPWARD (TOTAL) RADIATION
Upward solar, terrestrial surface and atmospheric radiation. Q- = R + (L-)

Q* NET RADIATION
Net flux of downward and upward radiation; net flux of all radiations.
Q* = (Q+) - (Q-)

UV ULTRAVIOLET RADIATION
Direct, global or diffuse solar radiation approximately in the range 30-400 nm.

E ILLUMINATION
Daylight illumination due to solar radiation.

Related quantities and symbols

S DURATION OF BRIGHT SUNSHINE
The amount of time in which the direct solar radiation can activate the recording instrument.

/ INCLINED SURFACE
If the radiation components are measured for inclined or vertical surfaces the radiation symbol is followed directly by the symbol /. The orientation of the surface is given in column 10.

X SPECTRAL
If the radiation components are measured in broad or narrow spectral bands the radiation symbol is followed directly by the symbol X. If possible further information is given in column 10.

Legend 3

PYRHELIOMETERS

Standard Pyrheliometers & Absolute Radiometers

A Ångström Pyrheliometer
AC Active Cavity Radiometer
EK Eppley-Kendall Absolute Radiometer
SD Abbot Silver-Disk Pyrheliometer
TM Technical Measurements, Inc. Pyrheliometer

Operational Pyrheliometers
thermopile types:

EO Eppley Normal Incidence Pyrh. (not temp. comp.)
EN Eppley Normal Incidence Pyrh., NIP (temp. comp.)
JP Japan Meteorological Agency Pyrh.
LF Linke-Feussner Pyrheliometer
MG Moll-Gorczynski Pyrheliometer
Y Savinov-Yanishevsky Pyrheliometer

bimetallic types:

MI Michelson-Moscow, Büttner and Marten Pyrh.

PYRANOMETERS

thermopile types:

D Physico Meteorological Observatory, Davos Pyranometer
E1 Eppley Pyranometer (180° Pyrheliometer, model 10 & 50 Junction)
E2 Eppley Precision Spectral Pyranometer (PSP, model 2 & 15)
E8 Eppley Black-and-White Pyranometer (model 8 & 48)
HC Pyranometer (HY-cal Engineering, diff. models)
I Pyranometer of International Scientific Industries
JP Japan Meteorological Agency Pyranometer
K Kipp and Zonen Pyranometer (Moll-Gorczynski)
LI Pyranometer of Lintronic Limited
PB Pyranometer of Belfort Instrument Co
PS Pyranometer Sonntag
SR Spectrolab Pyranometer (model SR-75)
S Starpyranometer (Dirmhirn-Sauberer)
V Volachine Pyranometer
WM Pyranometer of Weather Measure Corp.
Y Yanishevski Pyranometer (P 3x3)

solar cell types:

L Pyranometer of Lambda Inst. Corp.
MK Pyranometer of Matrix, Inc. (MK 1-G & MK 14)
SO Solameter, Photovoltaic Cell
PH Unknown solar cell type

electrical resistance types:

CL Callendar Pyranometer

distillation types:

BS Bellani Spherical Pyranometer

bimetallic types:

R Robitzsch type actinographs (Casella/London, Fuess/ Berlin, SIAP/Italy, Foster/MSC, Japanese model)

PYRGEOMETERS, PYRRADIOMETERS & NET PYRRADIOMETERS

unshielded sensors:

GD Gier and Dunkle Pyrradiometer and Net Pyrradiometer (Beckman and Whitley, Teledyne Geotsch)
KE Net Pyrradiometer of the Kew Observatory
SF Suomi, Fransilla and Islitzer Net Pyrradiometer
W Wagner Net Pyrradiometer
Y Yanishevsky Net Pyrradiometer (M-10)

shielded sensors:

D Physico Meteorological Observatory, Davos Pyrrad. and Net Pyrrad.
EG Eppley Precision Infrared Radiometer (Pyrgeometer)
FR Fritschen Net Pyrradiometer
FU Funk Net Pyrradiometer (CSIRO, Middleton)
GR Georgi Universal Radiationmeter (Kahl)
HY Net Radiometer (HY-CAL Engineering)
LR Linar Net Radiometer (Swissteco)
NE Net Pyrradiometer (Siemen Ersking)
PG Pyrgeometer Model 4064 (Spectran)
RM Radiometer (Molectron)
RS Pyrradiometer (Schenk)
SH Schulze Net Pyrradiometer
SK Suomi-Kuhn Net Pyrradiometer
TG Teledyne Geotech Pyrradiometer
TH Thornthwaite Net Pyrradiometer

ULTRAVIOLET RADIOMETER

CU CSIRO Ultraviolet Pyranometer
DU Dehne UV-B Radiometer
EU Eppley Ultraviolet Radiometer
RB Robertson-Berger UV-V Radiometer
SU Smithsonian UV-B Radiometer

PHOTOMETERS (ILLUMINOMETERS)

E Eppley Illuminometer
LN Leeds-Northrup Photometer
LP Photometric Sensor (Lambda Inst. Corp.)
MO Photometer used in United Kingdom
WB Weber-Bylov Photometer

SUNSHINE RECORDERS

C Campbell-Stokes Sunshine Recorder
F Foster Sunshine Switch
H Haenni Sunshine Recorder

HE	Helior Sunshine Recorder
J	Jordan Sunshine Recorder
M	Maring-Marvin Sunshine Recorder
MA	Maurer Sunshine Recorder

Legend 4

RADIOMETER ABBREVIATIONS IN ALPHABETICAL ORDER

A	Ångström Pyrheliometer
AC	Active Cavity Radiometer (Absolute radiometer)
BL	Bruno Langes Luxmeter
BS	Bellani Spherical Distillation Pyranometer
C	Campbell-Stokes Sunshine Recorder
CL	Callendar Pyranometer
CU	CSIRO Ultraviolet Pyranometer
D	Radiometer of the Physico Meteorological Observatory, Davos
DU	Dehne UV-B Radiometer
E	Eppley Radiometer
E1	Eppley Pyranometer (180^{o} Pyrheliometer, model 10 & 50 junction)
E2	Eppley Precision Spectral Pyranometer, PSP (model 2 & 15)
E8	Eppley Black-and-White Pyranometer (model 8 & 48)
EG	Eppley Precision Infrared Radiometer (Pyrgeometer)
EK	Eppley-Kendall Absolute Radiometer (PACRAD)
EN	Eppley Normal Incidence Pyrheliometer, NIP (temp. comp.)
EO	Eppley Normal Incidence Pyrheliometer, NIP (not temp. comp.)
EU	Eppley Ultraviolet Radiometer
F	Foster Sunshine Switch
FR	Fritschen Net Pyrradiometer
FU	Funk Net Pyrradiometer (CSIRO, Middleton)
GD	Gier and Dunkle Pyrradiometer and Net Pyrradiometer (Beckman and Whitley, Teledyne Geotech)
GR	Georgi Universal Radiationmeter (Kahl)
H	Haenni Sunshine Recorder
HE	Helior Sunshine Recorder
HC	Pyranometer (HY-CAL Engineering, diff. models)
HY	Net Radiometer (HY-CAL Engineering)
I	Pyranometer of International Scientific Industries
J	Jordan Sunshine Recorder
JP	Radiometer of the Japan Meteorological Agency
K	Kipp and Zonen Pyranometer (Moll-Gorczynski)
KE	Net Pyrradiometer of the Kew Observatory
L	Pyranometer of Lambda Inst. Corp.
LF	Linke-Feussner Pyrheliometer
LI	Pyranometer of Lintronic Limited
LN	Leeds-Northrup Photometer
LP	Photometric Sensor (Lambda Inst. Corp.)
LR	Linar Net Radiometer (Swissteco)
M	Maring-Marvin Sunshine Recorder
MA	Maurer Sunshine Recorder
MG	Moll-Gorczynski Pyrheliometer
MI	Michelson-Moscow, Büttner and Marten Bimetallic Pyrheliometer
MK	Pyranometer of Matrix, Inc. (Mk 1-G)
MO	Photometer used in United Kingdom
NE	Net Pyrradiometer (Siemen Ersking)
PB	Pyranometer of Belfort Instrument Co
PG	Pyrgeometer Model 4064 (Spectran)
PH	Pyranometer, solar cell type
PS	Pyranometer Sonntag

R	Robitzsch type actinographs (Casella/London, Fuess/ Berlin, SIAP/Italy, Foster/MSC, Japanese model)
RB	Robertson-Berger UV-B Radiometer
RM	Radiometer (Molectron)
RS	Pyrradiometer (Schenk)
S	Starpyranometer (Dirmhirn-Sauberer, Kahl)
SD	Abbot Silver-Disk Pyrheliometer
SF	Suomi, Fransilla and Islitzer Net Pyrradiometer
SH	Schulze Net Pyrradiometer (Lange)
SK	Suomi-Kuhn Net Pyrradiometer
SO	Solameter Pyranometer, Photovoltaic cell
SR	Spectrolab Pyranometer (model SR-75)
SU	Smithsonian UV-B Radiometer
TG	Pyrradiometer, Teledyne Geotech, different types
TH	Thornthwaite Net Pyrradiometer
TM	Technical Measurements, Inc. Pyrheliometer
V	Volochine Radiometers
W	Wagner Net Pyrradiometer
WB	Weber-Bylov Photometer
WM	Pyranometer of Weather Measure Corp.
Y	Yanishevsky Radiometers

Legend 5 & 6

TYPE OF AVAILABLE DATA

Shortest integration time interval for the radiation values available from the administrator of the station or in the given publication.

S	second sums
M	minute sums
H	hourly sums
D	daily sums
MO	monthly sums
20S	twenty second sums
5M	five minute sums
12H	twelve hour sums
*	instantaneous values
CON	continuous record

Only the shortest available value is given. Of course sums for longer interval are available and also other types of data. There might exist raw material from which a better time resolution can be evaluated.

ABBREVIATIONS FOR PUBLICATIONS

By using an abbreviation for the editing nation (legend 8) together with a figure the publication can easily be found in the list of "Administrators and Publications". The abbreviations above are used for the type of published data.

Example: D:SU1

D: = daily sums (type of data)
SU = Soviet Union (editing nation)
SU1 = Solar Radiation and Radiation Balance Data, The World Network, Leningrad (publication)

Legend 7

ABBREVIATIONS USED IN COLUMN 10

Measurements are made in specified spectral ranges:

FILTER		TRANSMISSION (approximate)	
WG295	WG7	295-2800 nm	
GG395	GG22	395-2800 nm	
GG400		400-2800 nm	
GG495	GG14	495-2800 nm	
OG530	OG1	530-2800 nm	
OG570	OG2	570-2800 nm	
RG610	RG1	610-2800 nm	
RG630	RG2	630-2800 nm	
RG695	RG8	695-2800 nm	
RG715	RG10	715-2800 nm	
RG805		805-2800 nm	
	QUA	250-4000 nm	Quartz
	PAR	400- 700 nm	Photosynthetically Active Radiation

Measurements are used to determine the atmospheric turbidity:

TB	not specified
TBA	Ångström Turbidity Coefficient
TBS	Schüepp Turbidity Coefficient
TBL	Linke Turbidity Factor

The inclination and orientation of non-horizontal surfaces:

The first two figures give the inclination from the horizontal plane and the following letters indicate the orientation.

Example: 60S, 90N, E, S, W

These notations mean one surface inclined sixty degrees and facing south and four vertical surfaces facing north, east, south and west.

Legend 8

ABBREVIATIONS OF COUNTRIES IN ALPHABETICAL ORDER

A	AUSTRIA
AB	ALBANIA
AD	DEM. REP. YEMEN
AG	ARGENTINA
AL	ALGERIA
AN	ANGOLA
AUS	AUSTRALIA
B	BELGIUM
BC	BOTSWANA
BG	GUYANA
BR	BARBADOS
BU	BULGARIA
BW	BANGLADESH
BZ	BRAZIL
C	CUBA
CDN	CANADA
CE	CENTRAL AFR. REP.
CH	SWITZERLAND
CHI	CHILE
CI	CHINA
CL	SRI LANKA
CS	COSTA RICA
CY	CYPRUS
CZ	CZECHOSLOVAKIA
D	GERMANY, FED. REP. OF
DDR	GERMAN DEM. REP.
DK	DENMARK
E	SPAIN
EJ	FIJI
EQ	EQUADOR
ET	ETHIOPIA
F	FRANCE
FM	MOROCCO
GB	UNITED KINDOM
GC	GHANA
GN	GUINEA-BISSAU
GO	GABON
GR	GREECE
H	HUNGARY
HKJ	JORDAN
HO	HONDURAS
I	ITALY
ID	INDONESIA
IL	ISRAEL
IND	INDIA
IR	IRAN
IRL	IRELAND
IS	ICELAND
IQ	IRAQ
J	JAPAN
JM	JAMAICA
KN	KENYA
KO	KOREA, REP. OF
KW	KUWAIT
LA	LAOS
LB	LEBANON
LY	LIBYAN ARAB REP.
MEX	MEXICO
MG	MADAGASCAR
ML	MALTA
MO	MONGOLIA
MS	MALAYSIA
MV	MALDIVES
MZ	MOZAMBIQUE
N	NORWAY
NI	NIGERIA
NL	THE NETHERLANDS
NZ	NEW ZEALAND
P	PORTUGAL
PH	PHILIPPINES
PK	PAKISTAN
PL	POLAND
PM	PANAMA
PY	PARAGUAY
QT	QATAR
R	ROMANIA
RN	MALAWI
RZ	ZAIRE
S	SWEDEN
SD	SAUDI ARABIA
SDN	SUDAN
SF	FINLAND
SG	SENEGAL
SR	SINGAPORE
SU	U.S.S.R.
SV	EL SALVADOR
SYR	SYRIA
TD	TRINIDAD AND TOBAGO
TE	CHAD
TH	THAILAND
TN	TANZANIA
TS	TUNISIA
TU	TURKEY
UB	EGYPT
UG	UGANDA
US	U.S.A.
VN	VENEZUELA
YU	YUGOSLAVIA
ZA	SOUTH-AFRICA
ZB	ZIMBABWE
ZM	SAMOA

TABLE OF CONTENTS FOR THE DATA LIST

TABLE OF CONTENTS FOR THE DATA LIST (CONTINUED)

TABLE OF CONTENTS FOR THE DATA LIST (CONTINUED)

TABLE OF CONTENTS FOR THE DATA LIST (CONTINUED)

TABLE OF CONTENTS FOR THE DATA LIST (CONTINUED)

TABLE OF CONTENTS FOR THE DATA LIST (CONTINUED)

TABLE OF CONTENTS FOR THE DATA LIST (CONTINUED)

TABLE OF CONTENTS FOR THE DATA LIST (CONTINUED)

REGION I
AFRICA

ALGERIA

2	3.	4		5	6	7.	8.	9.	10
ALGER/DAR EL BEIDA	A	3643N	0315E 23.	G(K)	D:SU1,MO:SU2			24	
				S(C)	MO:SU1-2				
ORAN/ ES SENIA	A	3537N	0036W 90.					24	
				S( )					
BECHAR	A	3137N	0213W 811.	G(K)	D:SU1,MO:SU2			24	
				S(C)	MO:SU1-2				
TAMANRASSET	A	2247N	0531E1366.	G(K)	D:SU1,MO:SU2			24	
				S(C)	MO:SU1-2				

ANGOLA

2	3.	4		5	6	7.	8.	9.	10
CABINDA	A	0533S	1211E 25.	G( )				5	
				S( )					
DUNDO	A	0724S	2049E 775.	I( )		*		6	
				G(E).	D:SU1,MO:SU2				
				D( )					
				S(C)	MO:SU1-2				
LUANDA	A	0849S	1313E 44.	I( )		*		24	OG1,RG2
				G(E.)	D:SU1,MO:SU2	H			
				D(E.)		H			
				S(C)	MO:SU1-2				
MALANGE	A	0933S	1622E1139.	G(R)	D:SU1,MO:SU2			13	
				D( )					
				S(C)	MO:SU1-2				
SAURIMO (HENRIQUE DE C.)	A	0939S	2024E1081.	G( )				*	
				S( )					
LUENA (LUSO)	A	1147S	1955E1328.	G(R)	D:SU1,MO:SU2			*	
				D( )					
				S(C)	MO:SU1-2				
HUAMBO (NOVA LISBOA)	A	1248S	1545E1710.	G(E.)	D:SU1,MO:SU2			6	
				D( )					
				S(C)	MO:SU1-2				
MENONGUE (SERPA PINTO)	A	1439S	1741E1348.	G(R)	D:SU1,MO:SU2			4	
				S(C)	MO:SU1-2				
LUBANGO (SA DE BANDEIRA)	A	1454S	1329E1761.	G(R)	D:SU1,MO:SU2				
				S(C)	MO:SU1-2				
MOCAMEDES	A	1512S	1209E 43.	G(R)	D:SU1,MO:SU2			6	
				S(C)	MO:SU1-2				
MAVINGA	A	1559S	2021E1118.	G( )					
				S( )					
PEREIRA D'ECA	A	1705S	1544E1108.	G(R)	D:SU1			5	
				S( )					

BOTSWANA

2	3.	4		5	6	7.	8.	9.	10
SEBELE	A	2434S	2557E 994.	G(K) 75-		0			
				S( )		0			

CAPE VERDE ISLANDS

2	3.	4		5	6	7.	8.	9.	10
MINDELO	A	1653N	2500W 2.	G(R)	D:SU1,MO:SU2			4	
				S(C)	MO:SU1-2				
PRAIA	A	1454N	2331W 27.	G(R)	D:SU1,MO:SU2			4	
				S(C)	MO:SU1-2				

CENTRAL AFRICAN REPUBLIC

2	3.	4		5	6	7.	8.	9.	10
BRIA	A	0632N	2159E 583.	G( )				11	
				S( )					
BOSSANGOA	A	0629N	1726E 463.	G( )				15	
				S( )					
BANGUI	A	0424N	1831E 367.	G(K)				24	
				S(C)					

CHAD

2	3.	4		5	6	7.	8.	9.	10
NDJAMENA	A	1208N	1502E 295.	G( )				24	
				S( )					

EGYPT

2	3.	4		5	6	7.	8.	9.	10
TAHRIR	A	3039N	3042E 16.	G(E.) 69-	D:SU1,MO:SU2				
				G(R)	MO:SU1-SU2				
				S(C)					
BAHTIM	A	3009N	3115E 17.	G(E.) 68-	D:SU1,MO:SU2				
				G(R)	MO:SU1-SU2				
				S(C)					
CAIRO	A	3005N	3117E 36.	G(E.) 69-	D:MO:SU2				
				S(C)	MO:SU1-SU2				
GIZA	A	3003N	3113E 21.	G(R) 64-48	D:SU1,MO:SU2				
				S(C)	MO:SU1				
KHARGA	A	2527N	3042E 16.	G(R) 71-	D:SU1,MO:SU2				
				S(C) 71-	MO:SU1-SU2				

ETHIOPIA

2	3	4		5	6	7	8	9	10
ADDIS ABABA	A	0902N	3845E2324	G(R)	D:SU1,MO:SU2			24	
				S(C)	MO:SU1-2				
WONJI	A	0819N	3915E1500	G(R)					
				S(C)					

GABON

2	3	4		5	6	7	8	9	10
LIBREVILLE	A	0027N	0925E	12 G( )				24	
				S( )					

GHANA

2	3	4		5	6	7	8	9	10
NAVRONGO	A	1053N	0105W	198 G(BS)	MO:SU2			24	
				S(C)	MO:SU2				
WA	A	1003N	0230W	323 G( )				24	
				S(C)					
TAMALE	A	0930N	0051W	168 G(BS)	MO:SU2			24	
				S(C)	MO:SU2				
YENDI	A	0927N	0001W	195 G( )				24	
				S(C)					
BOLE	A	0902N	0229W	299 G(BS)				24	
				S(C)					
KETE-KRACHI	A	0749N	0002W	122 G( )				24	
				S(C)					
WENCHI	A	0745N	0206W	339 G( )				24	
				S(C)					
KUMASI	A	0643N	0136W	287 G(R) -65	D:SU1,MO:SU2			24	
				G(BS) 66-	MO:SU1-2				
				S(C)					
HO	A	0636N	0028E	156 G(BS)	MO:SU2			24	
				G(R)	MO:SU2				
				S(C)	MO:SU2				
TAFO	A	0615N	0023W	195 G(K) 72-	MO:SU2				
				S(C)	MO:SU2				
SEFWI BEKWAI	A	0612N	0220W	171 G( )				24	
				S(C)					
AKUSE	A	0606N	0007E	17 G( )				24	
				S(C)					
KOFORIDUA	A	0605N	0015W	160 G( )				24	
				S(C)					
AKIM ODA	A	0556N	0059W	139 G( )				24	
				S(C)					
ADA	A	0547N	0038E	5 G( )				24	
				S(C)					
ACCRA	A	0536N	0010W	68 G(K)	MO:SU2			24	
				G(R)	MO:SU2				
				G(BS)	MO:SU2				
				S(C)	MO:SU2				
SALTPOND	A	0512	0104W	44 G(BS)	MO:SU2			24	
				S(C)	MO:SU2				
TAKORADI	A	0453N	0146W	5 G(BS)	MO:SU2			24	
				S(C)	MO:SU2				
AXIM	A	0452N	0214W	38 G( )				24	
				S(C)					

GUINEA-BISSAU

2	3	4		5	6	7	8	9	10
BAFATA	A	1211N	1440W	42 G(R)	D:SU1,MO:SU2				
				S(C)	MO:SU1-2				
BISSAU AIRPORT	A	1153N	1539W	39 G(R)	D:SU1,MO:SU2			24	
				S(C)	MO:SU1-2				
BOLAMA	A	1135N	1529W	18 G(R)	D:SU1,MO:SU2				
				S(C)	MO:SU1-2				

KENYA

2	3	4		5	6	7	8	9	10
MANDERA	A	0356N	4152E	230 G(BS) 66-	D:SU1,MO:SU2	D		19	
				S(C)	MO:SU1-2				
LODWAR	A	0307N	3537E	506 G(BS) 63-	D:SU1,MO:SU2	D		19	
				S(C) 58-	MO:SU1-2				
LOKORI	A	0156N	3602E	G( )		D			
KITALE	A	0101N	3500E	1890 G(BS) 66-	D:SU1,MO:SU2	D			
				S(C)	MO:SU1-2				
NZOIA FOREST	A	0045N	3456E	G( )		D			
TURBO FOREST	A	0038N	3503E	G( )		D			
ARCHERS POST	A	0037N	3740E	G( )		D			
ELDORET	A	0032N	3517E	2120 G(BS) 59-	D:SU1,MO:SU2	D		19	
				S(C) 59-	MO:SU1-2				
MARIGAT	A	0029N	3559E	1047 G(BS) 60-		D			
				S(C) 57-					
RUMIRUTI W.O.O.	A	0023N	3639E	1750 G(BS) 63-		D			
MUMIAS SUGAR	A	0021N	3430E	G( )		D			
MERU	A	0005N	3739E	G(BS)		D		19	
				S(C)					
KANDENGE	A	0002N	3428E	G( )		D			
NANYUKE	A	0001N	3704E	1910 G(BS) 66-	D:SU1,MO:SU2	D			
				S(C)	MO:SU1-2				
MARIENE	A	0000S	3735E	G( )		D			
OL JORO OROK	A	0002S	3621E	2400 G(BS) 63-		D			
KIBOS COTTON RES.STN.	A	0004S	3449E	1200 G(BS) 63-		D			
				S(C) 63-					
KISUMO	A	0006S	3445E	1157 G(BS) 58-	D:SU1,MO:SU2	D			
				S(C) 58-	MO:SU1-2				

KENYA

2	3.	4	5	6	7.	8.	9.	10
.LAMURIA W.D.D.	.A .0003S	3652E1860.	G(BS) 63-	.	.D	.	.	.
.AHERO/KANO	.A .0009S	3456E1200.	G(BS) 62-	.	.D	.	.	.
.MARIMANTI	.A .0009S	3759E .	G( )	.	.D	.	.	.
.NAKURU	.A .0016S	3604E1871.	G(BS) 66-	.D:SU1,MO:SU2	.D	.	.19	.
.	. .	.	S(C) 63-	.MOSU1-2	.	.	.	.
.KERICHO, TIMBILIL	.A .0022S	3521E2300.	G(BS) 58-	.	.D	.	.	.
.	. .	.	S(C) 56-	.	.	.	.	.
.GARISSA	.A .0028S	3938E 138.	G(BS) 63-	.D:SU1,MO:SU2	.D	.	.19	.
.	. .	.	S(C)	.MO:SU1-2	.	.	.	.
.TEBERE COTTON	.A .0037S	3720E .	G( )	.	.D	.	.	.
.EMBU, MWEA EXP. STN.	.A .0038S	3722E1150.	G(BS) 64-	.	.D	.	.	.
.	. .	.	S(C) 59-	.	.	.	.	.
.KISII	.A .0041S	3447E .	G( )	.	.D	.	.	.
.NAIVASHA	.A .0041S	3627E .	G( )	.	.D	.	.	.
.SOUTH KINANGOP FOREST	.A .0043S	3641E2400.	G(BS) 63-	.	.D	.	.	.
.KINDARUMA	.A .0048S	3748E .	G( )	.	.D	.	.	.
.KIMAKIA	.A .0048S	3645E2400.	G(BS) 57-	.	.D	.	.	.
.	. .	.	S(C) 57-	.	.	.	.	.
.CHANIA DAM	.A .0049S	3646E .	G( )	.	.D	.	.	.
.KEDONG RANCH	.A .0055S	3630E1890.	G(BS) 61-	.	.D	.	.	.
.	. .	.	S(C) 61-	.	.	.	.	.
.THIKA, HORT. RES. STN.	.A .0059S	3704E1550.	G(BS) 63-	.	.D	.	.	.
.	. .	.	S(C) 63-	.	.	.	.	.
.RUIRU	.A .0105S	3654E .	G( )	.	.D	.	.	.
.NAROK	.A .0108S	3550E1890.	G(BS) 64-	.D:SU1,MO:SU2	.D	.	.19	.
.	. .	.	S(C) 63-	.MO:SU1-2	.	.	.	.
.MUGUGA E.A.A.F.R.O.	.A .0113S	3635E2096.	G(K) 57-72	.D:SU1,MO:SU2	.D	.	.	.
.	. .	.	G(BS) 73-	.D:SU1,MO:SU2	.D	.	.	.
.	. .	.	S(C) 53-	.MO:SU1-2	.	.	.	.
.KABETE OBSERVATORY	.A .0116S	3645E1740.	G(K) 38-43	.	.	.	.	.
.	. .	.	S(C) 31-55	.	.	.	.	.
.NAIROBI/DAGORETTI	.A .0118S	3645E1798.	G(E1) 56-71	.D:SU1,MO:SU2	.	.	.12	.
.	. .	.	G(K) 72-	.D:SU1,MO:SU2	.	.	.	.
.	. .	.	D( )	.	.	.	.	.
.	. .	.	S(C) 55-	.MO:SU1-2	.	.	.	.
.NAIROBI AIRPORT	.A .0119S	3655E1624.	G(BS) 69-	.D:SU1,MO:SU2	.D	.	.24	.
.	. .	.	S(C) 60-	.MO:SU1-2	.	.	.	.
.KITUI DAM	.A .0121S	3800E1090.	G(BS) 63-	.	.D	.	.	.
.ROHET RANCH	.A .0122S	3700E .	G( )	.	.D	.	.	.
.GALOLE,TANA IRR.SCHEME	.A .0130S	4002W 91.	G(BS) 63-	.	.D	.	.	.
.	. .	.	S(C) 56-	.	.	.	.	.
.WAYU CHIEF'S	.A .0131S	3934E .	G( )	.	.D	.	.	.
.MACHAKOS DAM	.A .0131S	3715E1570.	G(BS) 63-	.	.D	.	.	.
.KATUMANI	.A .0135S	3714E .	G( )	.	.D	.	.	.
.MAKUENI	.A .0151S	3740E .	G( )	.	.D	.	.	.
.LAMU	.A .0216S	4054E 10.	G(BS) 71-	.D:SU1,MO:SU2	.D	.	.19	.
.	. .	.	S(C) 60-	.MO:SU1-2	.	.	.	.
.LOITOKITOK	.A .0257S	3732E .	G( )	.	.D	.	.	.
.MALINDI AIRPORT	.A .0314S	4006E 20.	G(BS) 67-	.D:SU1,MO:SU2	.D	.	.24	.
.	. .	.	S(C) 64-	.MO:SU1-2	.	.	.	.
.VOI	.A .0324S	3334E 560.	G(BS) 64-66,73-	.D:SU1,MO:SU2	.D	.	.19	.
.	. .	.	S(C)	.MO:SU1-2	.	.	.	.
.TAVETA	.A .0334S	3741E .	G( )	.	.D	.	.	.
.BACHUMA	.A .0342S	3357E .	G( )	.	.D	.	.	.
.MOMBASA AIRPORT	.A .0402S	3937E 57.	G(BS) 63-	.D:SU1,MO:SU2	.D	.	.24	.
.	. .	.	S(C) 49-	.MO:SU1-2	.	.	.	.

LIBYAN ARAB JAMAHIRIYA

2	3.	4	5	6	7.	8.	9.	10
.TRIPOLI	.A .3240N	1310E .	G( ) 77-	.	.	.	.24	.
.	. .	.	UV( )77-	.	.	.	.	.
.	. .	.	S( )	.	.	.	.	.

MADAGASCAR

2	3.	4	5	6	7.	8.	9.	10
.TANANARIVE	.A .1854S	4732E1300.	G(K) 53-	.MO:SU2	.	.	.3c	.
.	. .	.	D(K)	.	.	.	.	.
.	. .	.	S(C)	.MO:SU2	.	.	.	.

MOROCCO

2	3.	4	5	6	7.	8.	9.	10
.CASABLANCA	.A .3334N	0740W 55.	G(E)	.D:SU1,MO:SU2	.	.	.24	.
.	. .	.	S(C)	.MO:SU1-2	.	.	.	.

MOZAMBIQUE

2	3.	4	5	6	7.	8.	9.	10
.PEMBA (PORTO AMELIA)	.A .1258S	4030E 50.	G(R)	.D:SU1	.	.	.14	.
.	. .	.	S(C)	.MO:SU1	.	.	.	.
.LICHINGA (VILA CADRAL)	.A .1317S	3515E1364.	G(R)	.D:P1-SU1,MO:SU2.	.	.	.13	.
.	. .	.	D(..)	.D:P1	.	.	.	.
.	. .	.	S(C)	.MO:P1-SU1-SU2	.	.	.	.
.LUMBO	.A .1502S	4040E 10.	G(R)	.D:P1-SU1,MO:SU2.	.	.	.4	.
.	. .	.	S(C)	.MO:P1-SU1-SU2	.	.	.	.
.NAMPULA	.A .1506S	3917E 441.	G(K)	.D:P1-SU1,MO:SU2.	.	.	.16	.
.	. .	.	S(C)	.MO:P1-SU1-SU2	.	.	.	.
.GURUE' (VILA JUNQUEIRO)	.A .1523S	3659E 734.	G(R)	.D:SU1,MO:SU2	.	.	.	.
.	. .	.	S(C)	.MO:SU1-SU2	.	.	.	.
.TETE	.A .1611S	3335E 149.	G(K)	.D:P1-SU1,MO:SU2.	.	.	.	.
.	. .	.	D( )	.D:P1	.	.	.	.
.	. .	.	S(C)	.MO:P1-SU1-SU2	.	.	.	.
.MOCUBA	.A .1650S	3659E 134.	G(R)	.D:P1-SU1,MO:SU2.	.	.	.	.
.	. .	.	S(C)	.MO:P1-SU1-SU2	.	.	.	.
.CHIMOIO (VILA PERY)	.A .1907S	3328E 731.	G(R)	.D:P1-SU1,MO:SU2.	.	.	.4	.
.	. .	.	S(C)	.MO:P1-SU1-SU2	.	.	.	.

MOZAMBIQUE.

2	3.	4		5	6	7.	8.	9.	10
BEIRA	A	1950S	3451E 7.	G(K)	D:P1-SU1,MO:SU2			.15	
				D(..)	D:P1				
				S(C)	MO:P1-SU1-SU2				
CHICUALACUALA (MALVERNIA)	A	2205S	3141E 452.	G(R)	D:P1-SU1,MO:SU2			.4	
				S(C)	MO:P1-SU1-SU2				
INHAMBANE	A	2352S	3523E 14.	G(K)	D:P1-SU1,MO:SU2			.6	
				D(..)	D:P1				
				S(L)	MO:P1-SU1-SU2				
CHOKWE'(V.TRIGO DE MORAS)	A	2431S	3300E 33.	G(R)	D:P1-SU1,MO:SU2				
				S(C)	MO:P1-SU1-SU2				
MANIQUENIQUE	A	2444S	3332E 13.	G(R)	D:P1-SU1,MO:SU2				
				S(C)	MO:P1-SU1-SU2				
BOBOLE	A	2537S	3240E 30.	G(R)	D:SU1				
				S(C)	MO:SU1				
MAPUTO (LOURENCO MARQ.)	A	2558S	3236E 60.	I(..)	AP1			.19	.061,RGZ
				G(E.)	D:P1-SU1,MO:SU2				
				D(..)	D:P1				
				S(C)	MO:P1-SU1-SU2				
UMBELUZI	A	2603S	3223E 12.	G(R)	D:P1-SU1,MO:SU2				
				S(C)	MO:P1-SU1-SU2				

NAMIBIA

2	3.	4		5	6	7.	8.	9.	10
WINDHOEK	A	2234S	1706E1728.	G(K) 51-	H:ZA1,D:SU1,			.2	
					MO:SU2				
				D(K)	H:ZA1				
				S(C)	D:ZA1,MO:SU1-SU.				
KEETMANSHOOP	A	2634S	1807E1064.	G(K) 56-	H:ZA1,D:SU1,			.15	
					MO:SU2				
				D(K)	H:ZA1				
				S(C)	D:ZA1,MO:SU1-SU.				
GROOTFONTEIN	A	1936S	1807E1411.	G(K)				.15	
				D(K)					
				S(C)					

NIGERIA

2	3.	4		5	6	7.	8.	9.	10
NGURU MET.	A	1253N	1028E 343.	G(BS)				.16	
				S(C)					
KANO MET.	A	1203N	0332E 476.	G(BS)				.48	
				S(C)					
KANO I.A.R.				G(BS)					
				S(C)					
MAIDUGURI MET.	A	1151N	1305E 354.	G(BS)				.24	
				S(C)					
SAMARU	A	1111N	0738E 685.	G(BS)					
				G(K) *66					
YELWA	A	1053N	0445E 243.	G(BS)				.24	
				S(C)					
JOS MET.	A	0952N	0854E1295.	G(BS)				.24	
				S(C)					
LOKAJA MET.	A	0748N	0644E 41.	G(BS)				.24	
				S(C)					
OSHOGBO MET.	A	0747N	0429E 305.	G(BS)				.13	
				S(C)					
IBADAN MET.	A	0726N	0354E 234.	G(BS)				.24	
				S(C)					
BENIN MET.	A	0633N	0537E 156.	G(K) 64-68	D:SU1,MO:SU2			.24	
				G(BS) 68-	D:SU1,MO:SU2				
				S(C)	MO:SU1-2				
LAGOS/OSHODI	A	0632N	0321E 22.	G(K) 64*67					
				G(BS)					
				S(C)					
ENUGU MET.	A	0628N	0733E 140.	G(BS)				.24	
				S(C)					
IKOM MET.	A	0558N	0843E 93.	G(BS)				.14	
				S(C)					
WARRI MET.	A	0531N	0544E 6.	G(BS)				.24	
				S(C)					
PORT-HARCOURT MET.	A	0451N	0701E 18.	G(BS)				.24	
				S(C)					
PORT-HARCOURT NNOB	A	0446N	0701E 15.	G(BS)					
				S(C)					

REPUBLIC OF DJIBOUTI

2	3.	4		5	6	7.	8.	9.	10
DJIBOUTI	A	1136S	4309E 3.	G(K)	D:SU1,MO:SU2				
				S(C)	MO:SU1-2				

REUNION

2	3.	4		5	6	7.	8.	9.	10
SAINT-DENIS/GILLOT	F	2053S	5531E 19.	G( )				.24	
				S( )					

2	3	4		5	6	7	8	9	10
GUEDE	A	1633N	1445W 8	G(K) 71-		H			
				D(K) 71-		H			
				S(C)					
LOUGA	A	1537N	1613W 38	G(K) 77-		H			
				S(C)					
DAKAR-HANN	A	1443N	1727W 20	G(V) 57-77	D:SU1,MO:SU2	H		24	
				G(K) 77-	D:SU1,MO:SU2	H			
				D(K) -		H			
				Q*(GD)65-70	H:SU1,MO:SU2	H			
				Q*(FU)72-	H:SU1,MO:SU2	H			
				S(C)	MO:SU1-2				
BAMBEY	A	1442N	1628W 17	G(K) 65-		H			
				D(K) -		H			
				S(C)					
TAMBACOUNDA	A	1346N	1341W 49	G(K) 77-		H		24	
				S(C)					
KEDOUGOU	A	1234N	1213W 165	G(E) 78-		H		14	
ZIGUINCHOR	A	1233N	1616W 19	G(K) 76-	D:SU1	H		24	
				S(C)					

REPUBLIC OF SOUTH AFRICA

2	3	4		5	6	7	8	9	10
NELSPRUIT	A	2526S	3059E 671	G(K) 73-	H:ZA1,D:SU1, MO:SU2			3	
				D(K)	H:ZA1				
				S(C)	D:ZA1,MO:SU1-2				
ROODEPLAT	A	2535S	2821E1164	G(K) 56-	H:ZA1,D:SU1, MO:SU2				
				D(K)	H:ZA1				
				S(C)	D:ZA1,MO:SU1-2				
PRETORIA-FORUM	A	2544S	2811E1331	I(A)				16	
				I(LF)					
				I(MI)					
				G(K) 65-	H:ZA1,D:SU1, MO:SU2				
				D(K)	H:ZA1				
				S(C)	D:ZA1,MO:SU1-2				
PRETORIA-LYNNWOOD	A	2545S	2814E1369	G(K) 51-	H:ZA1,D:SU1, MO:SU2				
				D(K)	H:ZA1				
				S(C)	D:ZA1,MO:SU1-2				
PRETORIA-IRENE	A	2555S	2813E1532	G(K) 74-	H:ZA1				
				D(K)	H:ZA1				
				S(C)	D:ZA1				
UPINGTON	A	2824S	2116E 236	G(K) 64-	H:ZA1,D:SU1, MO:SU2			13	
				D(K)	H:ZA1				
				S(C)	D:ZA1,MO:SU1-2				
ALEXANDERBAAI/BAY	A	2834S	1632E 21	G(K) 57-	H:ZA1,D:SU1, MO:SU2			12	
				D(K)	H:ZA1				
				S(C)	D:ZA1,MO:SU1-2				
BLOEMFONTEIN	A	2906S	2618E1422	G(K) 53-	H:ZA1,D:SU1, MO:SU2			17	
				D(K)	H:ZA1				
				S(C)	D:ZA1,MO:SU1-2				
DURBAN	A	2956S	3057E 6	G(K) 51-	H:ZA1,D:SU1, MO:SU2			18	
				D(K)	H:ZA1				
				S(C)	D:ZA1,MO:SU1-2				
GROOTFONTEIN/MIDDELBURG	A	3129S	2502E1271	G(K) 68-	H:ZA1,D:SU1, MO:SU2			3	
				D(K)	H:ZA1				
				S(C)	D:ZA1,MO:SU1-2				
CAPE TOWN/KAAPSTAD	A	3358S	1836E 44	G(K) 51-	H:ZA1,D:SU1, MO:SU2			20	
				D(K)	H:ZA1				
				S(C)	D:ZA1,MO:SU1-2				
PORT ELIZABETH	A	3359S	2536E 62	G(K) 57-	H:ZA1,D:SU1, MO:SU2			20	
				D(K)	H:ZA1				
				S(C)	D:ZA1,MO:SU1-2				
GOUGH ISLAND	A	4021S	753W 54	G(K) 65-	H:ZA1,D:SU1, MO:SU2			20	
				D(K)	H:ZA1				
				S(C)	D:ZA1,MO:SU1-2				
MARION ISLAND	A	4653S	3752E 23	G(K) 62-	H:ZA1,D:SU1 MO:SU2			20	
				D(K)	H:ZA1				
				S(C)	D:ZA1,MO:SU1-2				

SUDAN

2	3	4		5	6	7	8	9	10
PORT SUDAN	A	1935N	3713E 3	G(R) 61-	D:SU1,MO:SU2	D		48	
				S(C)	MO:SU1-SU2				
DONGOLA	A	1910N	3029E 225	G(R) 73-	D:SU1,MO:SU2	D		48	
				S(C)	MO:SU1-SU2				
TOKAR	A	1826N	3737E 20	G(R)	D:SU1	D		5	
				S(C)	MO:SU1				
HUDEIDA	A	1734N	3356E 350	G(R)	D:SU1	D			
				S(C)	MO:SU1				
AROMA	A	1550N	3609E 430	G(R)	D:SU1	D		5	
				S(C)	MO:SU1				
KHARTOUM-SHAMBAT	A	1540N	3232E 376	G(K)				48	
				G(R) 61-	D:SU1,MO:SU2	D			
				S(C)	MO:SU1-SU2				
WAD MEDANI	A	1424N	3329E 405	G(K)				48	
				G(R) 61-	D:SU1,MO:SU2	D			
				S(C)	MO:SU1-SU2				
EL FASHER	A	1337N	2520E 730	G(R) 61-	D:SU1,MO:SU2	D		48	
				S(C)	MO:SU1-SU2				
ZALINGE	A	1254N	2329E 900	G(R) 72-	D:SU1,MO:SU2	D		6	
				S(C)	MO:SU1-SU2				
ABU NAAMA	A	1244N	3407E 444	G(R) 64-	D:SU1,MO:SU2	D		24	
				S(C)	MO:SU1-SU2				
GHAZALA GAWAZAT	A	1128N	2627E 481	G(R) 64-	D:SU1,MO:SU2	D		21	
				S(C)	MO:SU1-SU2				
EL SHOWAK	A	1124N	3551E 510	G( )	D:SU1	D			
				S(C)	MO:SU1				
KADUGLI	A	1100N	2943E 501	G(R) 73-	D:SU1,MO:SU2	D		8	
				S(C)	MO:SU1-SU2				
MALAKAL	A	0933N	3139E 390	G(R) 61-	D:SU1,MO:SU2	D		48	
				S(C)	MO:SU1-SU2				
WAU	A	0742N	2801E 438	G(R)		D		27	
				S(C)					
JUBA	A	0452N	3137 457	G(R) 61-	D:SU1,MO:SU2	D		48	
				S(C)	MO:SU1-SU2				

TANZANIA

2	3.	4	5	6	7.	8.	9.	10
.BUKOBA	.A .0120S	3149E1137.	G(BS) 64-69*71-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C) 62-	.MO:SU1-2	.	.	.	.
.MUSOMA	.A .0130S	3348E1147.	G(BS) 70-	.D:SU1-MO:SU2	.D	.	.24	.SOMETIMES E(K)
			S(C)	.MO:SU1-2	.	.	.	.
.MWANZA	.A .0228S	3255E1139.	G(BS) 65-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C) 57-	.MO:SU1-2	.	.	.	.
.LYAMUNGU COFFEE RES.STN	.A .0314S	3715E1250.	G(BS) 63-	.	.	.	.	.
			S(C) 63-	.	.	.	.	.
.ARUSHA	.A .0320S	3637E1387.	G(BS) 73-	.D:SU1,MO:SU2	.D	.	.13	.
			S(C)	.MO:SU1-2	.	.	.	.
.KILIMANJARO AIRPORT	.A .0325S	3704E 891.	G(BS) 72-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C)	.MO:SU1-2	.	.	.	.
.SAME	.A .0405S	3743E 872.	G(BS) 69-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C) 72-	.MO:SU1-2	.	.	.	.
.KIGOMA	.A .0453S	2938E 882.	G(BS) 70-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C)	.MO:SU1-2	.	.	.	.
.TABORA AIRPORT	.A .0505S	3250E1181.	G(BS) 65-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C) 60-	.MO:SU1-2	.	.	.	.
.NGOMENI SISAL RES.STN.	.A .0509S	3854E 183.	G(BS) 63-	.	.D	.	.	.
.DODOMA	.A .0610S	3546E1119.	G(BS) 65-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C)	.MO:SU1-2	.	.	.	.
.ZANZIBAR/KISAUNI A.	.A .0613S	3913E 15.	G(BS) 64-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C) 54-	.MO:SU1-2	.	.	.	.
	.0615S	3913E 20.	S(C) 32-53	.	.	.	.	.
.ILONGA EXP. FARM	.A .0646S	3702E 503.	G(BS) 63-	.	.D	.	.	.
.MOROGORO	.A .0650S	3739E 526.	G(BS) 70-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C)	.MO:SU1-2	.	.	.	.
.DAR ES SALAAM AIRPORT	.A .0653S	3912E 55.	G(E.) -71	.D:SU1,MO:SU2	.	.	.24	.
			G(BS) 72-	.D:SU1,MO:SU2	.D	.	.	.
			S(C) 54-	.MO:SU1-2	.	.	.	.
	.0615S	3918E 16.	S(C) 31-54	.	.	.	.	.
.IRINGA	.A .0740S	3545E1426.	G(BS)	.D:SU1,MO:SU2	.D	.	.32	.
			S(C) 73*	.MO:SU1-2	.	.	.	.
.SEATONDALE EXP. STN.	.A .0747S	3531E1550.	G(BS) 63-67	.	.D	.	.	.
.MBARALI IRR. SCHEME	.A .0340S	3420E1030.	G(BS) 63-	.	.D	.	.	.
.MBEYA RANGE	.A .0850S	3328E2440.	G(BS) 57-	.	.D	.	.	.
			S(C) 57-	.	.	.	.	.
.MTWARA	.A .1016S	4011E 113.	G(BS) 69-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C)	.MO:SU1-2	.	.	.	.
.SONGEA	.A .1041S	3535E1067.	G(BS) 68-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C)	.MO:SU1-2	.	.	.	.

TUNISIA

2	3.	4	5	6	7.	8.	9.	10
.SIDI-BOU-SAID	.A .3652N	1021E 127.	G(K) 68-	.D:SU1,MO:SU2	.	.	.	.
			S(C)	.MO:SU1-2	.	.	.	.
.TUNIS	.A .3650N	1014E 5.	G(K) -67	.D:SU1,MO:SU2	.	.	.24	.
			S(C)	.MO:SU1	.	.	.	.

UGANDA

2	3.	4	5	6	7.	8.	9.	10
.ARUA	.A .0303N	3055E1204.	G(BS) 71-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C)	.MO:SU1-2	.	.	.	.
.GULU	.A .0245N	3220E1104.	G(BS) 64-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C) 57-	.MO:SU1-2	.	.	.	.
.WADELAI	.A .0244N	3124E 640.	G(BS) 63-	.	.D	.	.	.
			S(C) 63-	.	.	.	.	.
.PARAA	.A .0210N	3135E 693.	G(BS) 73-	.D:SU1,MO:SU2	.D	.	.4	.
			S(C)	.MO:SU1-2	.	.	.	.
.ATUMTAK	.A .0214N	3439E1280.	G(BS) 58-	.	.D	.	.	.
			S(C) 58-	.	.	.	.	.
.SOROTI	.A .0143N	3337E1132.	G(BS) 70-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C)	.MO:SU1-2	.	.	.	.
.MASINDI	.A .0141N	3143E1146.	G(BS) 64-	.D:SU1,MO:SU2	.D	.	.30	.
			S(C)	.MO:SU1-2	.	.	.	.
.BUGESEGE EXP.STN.	.A .0109N	3416E1450.	G(BS) 64-	.	.D	.	.	.
.TORORO	.A .0041N	3410E1170.	G(BS) 66-	.D:SU1,MO:SU2	.D	.	.19	.
			S(C) 61-	.MO:SU1-2	.	.	.	.
.NAMULONGE COTTON RES.ST.	.A .0032N	3237E1148.	G(K) 59-	.D:SU1,MO:SU2	.	.	.	.
			S(C) 50-	.MO:SU1-2	.	.	.	.
.JINJA	.A .0027N	3311E1175.	G(BS) 66-	.D:SU1,MO:SU2	.D	.	.19	.
			S(C)	.MO:SU1-2	.	.	.	.
.KAWANDA AGRIC. STN.	.A .0025N	3232E1200.	G(BS) 63-	.	.D	.	.	.
.KAMPALA	.A .0019N	3237E1144.	G(BS) 69,72-	.D:SU1,MO:SU2	.D	.	.16	.
			G(K) 70*72	.D:SU1,MO:SU2	.	.	.	.
			S(C) 32-52,69-	.MO:SU1-2	.	.	.	.
.KITUZA COFFEE RES.STN.	.A .0015N	3246E1200.	G(BS) 63-	.	.D	.	.	.
.KASESE	.A .0011N	3006E 959.	G(BS) 64-	.D:SU1,MO:SU2	.D	.	.18	.
			S(C) 64-	.MO:SU1-2	.	.	.	.
.ENTEBBE AIRPORT	.A .0003N	3227E1155.	G(BS) 64-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C) 32-	.MO:SU1-2	.	.	.	.
.MBARARA	.A .0037S	3039E1412.	G(BS) 64-	.D:SU1,MO:SU2	.D	.	.20	.
			S(C) 61-	.MO:SU1-2	.	.	.	.

ZAIRE

2	3.	4	5	6	7.	8.	9.	10
.BUTA	.A .0247N	2447E 410.	G( )	.	.	.	.10	.
			S( )	.	.	.	.	.
.LISALA	.A .0219N	2134E 463.	G( )	.	.	.	.16	.
			S( )	.	.	.	.	.
.BUNIA	.A .0130N	3013E1239.	G(BS) 65-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C)	.MO:SU1-2	.D	.	.	.
.KISANGANI	.A .0031N	2511E 396.	G(BS) 65-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C)	.	.	.	.	.
.MBANDAKA	.A .0003N	1816E 345.	G(BS) 65-	.D:SU1,MO:SU2	.D	.	.24	.
			S(C)	.	.	.	.	.
.BOENDE	.A .0013S	2051E 351.	G(BS)	.D:SU1,MO:SU2	.	.	.24	.
			S(C)	.	.	.	.	.
.LUKOLELA	.A .0103S	1712E 318.	G( )	.	.	.	.10	.
			S( )	.	.	.	.	.

ZAIRE

2	3.	4		5	6	7.	8.	9.	10
.INDONGO	.A	.0158S	1816E 300.	G( )	.	.	.	.10	.
.	.	.	.	S(C)	.	.	.	.	.
.BUKAVU	.A	.0231S	2851E 163.		.	.	.	.	.
.	.	.	.	G(BS) 65-	.D:SU1,MO:SU2	.D	.	.24	.
.KINDU	.A	.0257S	2555E 497.	G(BS)	.D:SU1,MO:SU2	.	.	.24	.
.	.	.	.	S(C)	.	.	.	.	.
.BANDUNDU	.A	.0318S	1721E 332.	G(BS) 65-	.	.D	.	.10	.
.	.	.	.	S(C)	.	.	.	.	.
.KINHASA/BINZA	.A	.0422S	1515E 445.	G(K) 65-	.D:SU1,MO:SU2	.D	.	.	.
.	.	.	.	S(C)	.MO:SU1-2	.D	.	.	.
.KINHASA/N'DJILI	.A	.0423S	1526E 309.	G( )	.	.	.	.24	.
.	.	.	.	S( )	.	.	.	.	.
.KIKWIT	.A	.0502S	1848E 518.	G( )	.	.	.	.24	.
.	.	.	.	S( )	.	.	.	.	.
.MATADI	.A	.0548S	1326E 355.	G( )	.	.	.	.24	.
.	.	.	.	S( )	.	.	.	.	.
.KANANGA (LULUABOURG)	.A	.0553S	2225E 675.	G(BS) 65-	.D:SU1,MO:SU2	.D	.	.24	.
.	.	.	.	S(C)	.MO:SU1-2	.	.	.	.
.KALEMIE	.A	.0553S	2911E 790.	G(BS)	.	.	.	.	.
.KITONA	.A	.0555S	1227E 122.	G( )	.	.	.	.16	.
.	.	.	.	S( )	.	.	.	.	.
.MOANDA	.A	.0600S	1225E 27.	G( )	.	.	.	.10	.
.	.	.	.	S( )	.	.	.	.	.
.MBUJI-MAYI	.A	.0610S	2337E 633.	G(BS) 65-	.	.D	.	.16	.
.	.	.	.	S(C)	.	.	.	.	.
.TSHIKAPA	.A	.0625S	2051E 521.	G( )	.	.	.	.10	.
.	.	.	.	S( )	.	.	.	.	.
.MONONO	.A	.0717S	2726E 614.	G( )	.	.	.	.16	.
.	.	.	.	S( )	.	.	.	.	.
.LUBUMBASHI-KARAVIA	.A	.1139S	2728E1250.	G(K) 65-	.D:SU1,MO:SU2	.D	.	.	.
.	.	.	.	S(C)	.MO:SU1-2	.D	.	.	.

ZIMBABWE

2	3.	4		5	6	7.	8.	9.	10
.	.	.	.		.	.	.	.	.
.	.	.	.		.	.	.	.	.
.KARIBA	.A	.1631S	2853E 518.	G( )	.	.	.	.14	.
.MOUNT DARWIN	.A	.1647S	3135E 965.	G( )	.	.	.	.14	.
.	.	.	.	S( )	.	.	.	.	.
.KAROI	.A	.1650S	2937E1344.	G( )	.	.	.	.14	.
.	.	.	.	S( )	.	.	.	.	.
.SALISBURY/DELVEDERE	.A	.1750S	3101E1471.	S(K)	.MO:SU2	.	.	.	.
.	.	.	.	D( )	.	.	.	.	.
.	.	.	.	S(C)	.MO:SU2	.	.	.	.
.SALISBURY/KUTSAGA OBS.	.A	.1756S	3106E1478.	G( )	.	.	.	.13	.
.	.	.	.	S( )	.	.	.	.	.
.VICTORIA FALLS	.A	.1806S	2551E1062.	G( )	.	.	.	.14	.
.	.	.	.	S( )	.	.	.	.	.
.GRAND REEF	.A	.1858S	3227E1017.	G( )	.	.	.	.14	.
.	.	.	.	S( )	.	.	.	.	.
.GWELO	.A	.1927S	2951E1426.	G( )	.	.	.	.14	.
.	.	.	.	S( )	.	.	.	.	.
.FORT VICTORIA	.A	.2004S	3052E1096.	G( )	.	.	.	.14	.
.	.	.	.	S( )	.	.	.	.	.
.BULAWAYO/GOETZ OBS.	.A	.2009S	2837E1343.	G(K)	.MO:SU2	.	.	.9	.
.	.	.	.	D( )	.	.	.	.	.
.	.	.	.	S(C)	.MO:SU2	.	.	.	.
.BUFFALO RANGE	.A	.2101S	3135E 429.	G( )	.	.	.	.	.
.	.	.	.	S( )	.	.	.	.	.

REGION II
ASIA

BANGLADESH

2	3.	4		5	6	7.	8.	9.	10
DACCA	A	2346N	9023E	8. G(K) 67*				.24	
				S(C) 68-		H			
CHITTAGONG	A	2221N	9149E	35. G(K) 66*				.24	
				S(C) 68-		H			

DEMOCRATIC YEMEN

2	3.	4		5	6	7.	8.	9.	10
KHORMAKSAR/ADEN	A	1250N	4502E	3. G(K)				.24	
				Q*(GO)					

INDIA

2	3.	4		5	6	7.	8.	9.	10
GULMARG	A	3403N	7424E	2655. G(R) 66-		D		.2	
NEW DELHI	A	2835N	7712E	216. I(A)				.48	
				G(K) 57-	D:SU1,MO:SU2	H			
				G(BS)					
				D(K)		H			
				Q*( )					
				S(C)	MO:SU1-2				
MOHANBARI	A	2729N	9501E	111. G(R) 67-		D		.24	
JODHPUR	A	2618N	7301E	224. I(A)				.24	
				G(K) 60-	D:SU1,MO:SU2	H			
				D(K)		H			
				S(C)	MO:SU1-2				
PATNA	A	2536N	8506E	51. G(R) 75-		D		.30	
SHILLONG	A	2534N	9153L	1600. I(A)				.2	
				G(K) 67-	D:SU1,MO:SU2	H			
				D(K)		H			
				S(C)	MO:SU1-2				
BHOPAL RAIRAGARH	A	2317N	7721E	523. G(R) 75-		D		.24	
AHMADABAD	A	2304N	7238E	55. I(A)				.48	
				G(K) 62-	D:SU1,MO:SU2	H			
				D(K)		H			
				S(C)	MO:SU1-2				
DUM-DUM-CALCUTTA		2239N	8827E	4. G(K)	MO:SU2	H		.48	
				S(C)	MO:SU2				
CALCUTTA-ALIPORE	A	2232N	8820E	6. I(A)				.3	
				G(K) 57-	D:SU1,MO:SU2	H			
				G(BS)					
				D(K)		H			
				Q*( )					
				S(C)	MO:SU1-2				
BHAVNAGAR	A	2145N	7211E	5. I(A)				.3	
				G(K) 67-	D:SU1,MO:SU2	H			
				D(K)		H			
				S(C)	MO:SU1-2				
BHUBANESHWAR	A	2015N	8550E	46. G(R) 67-		D		.16	
NAGPUR	A	2106N	7903E	310. I(A)				.24	
				G(K) 60-	D:SU1,MO:SU2	H			
				D(K)		H			
				S(C)	MO:SU1-2				
BOMBAY-SANTA CRUZ	A	1907N	7251E	14. I(A)				.48	
				G(K) 69-	D:SU1,MO:SU2	H			
				D(K)		H			
				S(C)	MO:SU1-2				
POONA	A	1032N	7351E	559. I(A)				.8	
				G(K) 57-	D:SU1,MO:SU2	H			
				G(BS)					
				D(K)		H			
				Q*( )					
				S(C)	MO:SU1-2				
VISHAKAPATNAM	A	1743N	8314E	3. I(A)					
				G(K) 61-	D:SU1,MO:SU2	H		.23	
				D(K)		H			
				S(C)	MO:SU1-2				
HYDERABAD-BEGUMPET	A	1727N	7828E	545. G(R) 66-		D		.24	
GOA-PANJIM	A	1529N	7349E	55. I(A)				.8	
				G(K) 63-	D:SU1,MO:SU2	H			
				D(K)		H			
				S(C)	MO:SU1-2				
MADRAS	A	1300N	8011E	16. I(A)				.48	
				G(K) 57-	D:SU1,MO:SU2	H			
				G(BS)					
				D(K)		H			
				S(C)	MO:SU1-2				
BANGALORE	A	1257N	7738E	897. G(R) 66-		D		.8	
MANGALORE-BAJPE	A	1255N	7453E	102. G(R) 62-		D		.48	
PORT BLAIR	A	1140N	9243E	79. G(R) 63-		D		.8	
KODAIKANAL	A	1014N	7728E	2339. I(A)				.3	
				G(K) 62-	D:SU1,MO:SU2	H			
				S(C)	MO:SU1-2				
TRIVANDRUM	A	0829N	7657E	64. I(A)				.3	
				G(K) 59-	D:SU1,MO:SU2	H			
				D(K)		H			
				Q*( )					
				S(C)	MO:SU1-2				
MINICOY	A	0818N	7300E	2. G(R) 64-		D		.8	

IRAQ

2	3.	4		5	6	7.	8.	9.	10
MOSUL	A	3619N	4309E	223. G(R) 70-		D			
				S(C)		H			
SULAIMANIYA	A	3533N	4527E	853. G(R) 76-		D			
KIRKUK	A	3528N	4424E	331. G(R) 73-		D			
				S(C)		H			
BAGHDAD	A	3314N	4414E	34. G(R) 67-		D			
				S(C)		H			
RUTBA	A	3302N	4017E	616. G(R) 74-		D			
				S(C)		H			
KERBELLA	A	3237N	4401E	229. G(R) 76-		D			
				S(C)		H			
NASIRIYAH	A	3105N	4614E	3. G(R) 77-		D			
				S(C)		H			

2	3	4	5	6	7	8	9	10
WAKKANI	A	4525N 14141E	3. G(R) 51-71	D:J1			.8	
			G(JP) 72-	D:J1		H		
			S(J) 70-	D:J1		H		
KITAMIESASHI	A	4456N 14235E	6. G(JP) 74-	D:J1		H	.3	
			S(J) 42-	D:J1		H		
ABASHIRI	A	4401N 14417E	38. G(R) 54-71	D:J1			.8	
			G(JP) 72-	D:J1		H		
			S(J) 03-	D:J1		H		
RUMOI	A	4357N 14138E	22. G(JP) 73-	D:J1		H	.8	
			S(J) 43-	D:J1		H		
ASAHIKAWA	A	4346N 14222E	112. G(R) 43-71	D:J1			.8	
			G(JP) 72-	D:J1		H		
			S(J) 96-	D:J1		H		
NEMURO	A	4320N 14535E	26. I(SD) 53*	J3			.8	
			G(R) 41-71	D:J1				
			G(JP) 71-	D:S1-SU1,MO:SU2		H		
			S(J) 90-	D:J1,MO:SU1-2		H		
SAPPORO	A	4303N 14120E	17. I(SD) 32*	J3			.8	
			G(R) 40-71					
			G(E.) 59-71	D:J1-SU1,MO:SU2		H		
			G(JP) 71-	D:J1-SU1,MO:SU2		H		
			S(J)1889-	D:J1,MO:SU1-2		H		
OBIHIRO	A	4255N 14313E	39. G(R) 44-71	D:J1			.4	
			G(JP) 74-	D:J1		H		
			S(J)1900-	D:J1		H		
SUTTSU	A	4247N 14014E	16. G(JP) 73-	D:J1		H	.7	
			S(J) 01-	D:J1		H		
MURORAN	A	4219N 14059E	43. G(JP) 73-	D:J1		H	.4	
			S(J) 23-	D:J1		H		
URAKAWA	A	4210N 14247E	34. G(R) 45-57				.8	
			G(JP) 73-	D:J1		H		
			S(J) 27-	D:J1		H		
HAKODATE	A	4149N 14045E	33. G(R) 53-71	D:J1			.8	
			G(JP) 72-	D:J1		H		
			S(J)1890-	D:J1		H		
AOMORI	A	4049N 14047E	4. G(R) 41-71	D:J1			.8	
			G(JP) 72-	D:J1		H		
			S(J) 56-	D:J1		H		
HACHINOHE	A	4032N 14132E	27. G(JP) 73-	D:J1		H	.8	
			S(J) 37-	D:J1		H		
AKITA	A	3945N 14006E	9. I(SD) 32*	J3			.8	
			G(R) 39-71	D:J1				
			G(JP) 71-	D:J1,D:SU1, MO:SU2		H		
			S(J)1890-	D:J1,MO:SU1-2		H		
MORIOKA	A	3942N 14110E	155. G(R) 35-71	D:J1			.8	
			G(JP) 72-	D:J1		H		
			S(J) 23-	D:J1		H		
MIYAKO	A	3939N 14158E	43. I(SD) 54*	J3			.8	
			G(R) 42-71	D:J1				
			G(JP) 71-	D:J1-SU1,MO:SU2		H		
			S(J) 00-	D:J1,MO:SU1-2		H		
RYORI	A	3902N 14150E	260. IX(JP) 76-					
			G(JP) 76-			H		
SAKATA	A	3854N 13951E	3. G(R) 55-71	D:J1			.8	
			G(JP) 73-	D:J1		H		
			S(J) 37-	D:J1		H		
SENDAI	A	3816N 14054E	38. G(R) 53-71				.8	
			G(E) 59-71	D:J1-SU1, J3,SU		H		
			G(JP) 71-	D:J1,MO:SU2		H		
			S(J) 26-	D:J1,MO:SU2		H		
YAMAGATA	A	3815N 14021E	151. G(R) 40-71	D:J1			.4	
			G(JP) 73-	D:J1		H		
			S(J)1895-	D:J1		H		
NIIGATA	A	3755N 13903E	2. G(JP) 72-	D:J1		H	.8	
			S(J) 26-	D:J1		H		
FUKUSHIMA	A	3745N 14029E	67. G(R) 44-71	D:J1			.4	
			G(JP) 73-	D:J1		H		
			S(J) 01-	D:J1		H		
WAJIMA	A	3723N 13654E	5. I(SD) 53*	J3			.8	
			G(JP) 71-	D:J1-SU1,MO:SU2		H		
			S(J) 30-	D:J1,MO:SU1-2		H		
TAKADA	A	3706N 13815E	13. G(R) 55-71	D:J1			.8	
			G(JP) 73-	D:J1		H		
			S(J) 23-	D:J1		H		
ONAHAMA	A	3659N 14054E	3. G(R) 55-71	D:J1			.8	
			G(JP) 72-	D:J1		H		
			S(J) 11-	D:J1		H		
TOYAMA	A	3642N 13712E	9. G(R) 42-69	D:J1			.4	
			G(JP) 73-	D:J1		H		
			S(J) 39-	D:J1		H		
UTSUNOMIYA	A	3633N 13952E	120. G(R) 39-65	D:J1			.4	
			G(JP) 73-	D:J1		H		
			S(J)1897-	D:J1		H		
MAEBASHI	A	3624N 13904E	112. G(JP) 71-	D:J1		H	.8	
			S(J)1897-	D:J1		H		
MATSUMOTO	A	3615N 13758E	610. I(SD) 36*	J3			.8	
			G(JP) 72-	D:J1-SU1,MO:SU2		H		
			S(J)1899-	D:J1,MO:SU1-2		H		
FUKUI	A	3603N 13614E	9. G(JP) 73-	D:J1		H	.3	
			S(J)1898-	D:J1		H		
TATENO	A	3603N 14008E	25. G(E1) 57-68	H:J3,D:SU1, MO:SU2		H	.3	
			G(K) 68-75	D:SU1,MO:SU2		H		
			G(JP) 75-	D:SU1		H		
			D(K) 64-			H		
			R(K) 64-			H		LAWN
			G*(GD)	H:J3				
			L+(..)	H:J3				
			S(C)	MO:SU1-2				
CHOSHI	A	3543N 14051E	27. G(JP) 72-	D:J1		H	.8	
			S(J)1899-	D:J1		H		
TOKYO	A	3541N 13946E	5. I(SD) 32*64				.8	
			G(R) 35-70	D:J1				
			G(JP) 72-	D:J1		H		
			S(J)1891-	D:J1		H		
KOFU	A	3540N 13833E	272. G(R) 42-65				.8	
			G(JP) 73-	D:J1		H		
			S(J)1900-	D:J1		H		
MAIZURU	A	3527N 13519E	3. G(R) 55-71	D:J1			.8	
			G(JP)74-	D:J1		H		
			S(J) 49-	D:J1		H		
YONAGO	A	3526N 13321E	7. I(SD) 39*	J3			.3	
			G(R) 41-72	D:J1				
			G(JP) 72-	D:J1-SU1,MO:SU2		H		
			S(J) 39-	D:J1,MO:SU1-2		H		

2	3.	4		5	6	7.	8.	9.	10
.HIKONE	.A	.3516N	13615E	87. G(R) 53-71	.D:J1	.	.	.3	.
.	.	.	.	. G(JP) 73-	.D:J1	.	.H	.	.
.	.	.	.	. S(J)1895-	.D:J1	.	.H	.	.
.NAGOYA	.A	.3510N	13658E	51. G(R) 52-67	.	.	.	.8	.
.	.	.	.	. G(JP) 72-	.D:J1	.	.H	.	.
.	.	.	.	. S(J)1891-	.D:J1	.	.H	.	.
.SHIZUOKA	.A	.3458N	13824E	14. G(JP) 73-	.D:J1	.	.H	.3	.
.	.	.	.	. S(J) 40-	.D:J1	.	.H	.	.
.HAMADA	.A	.3454N	13204E	20. G(R) 53-71	.D:J1	.	.	.8	.
.	.	.	.	. G(JP) 73-	.D:J1	.	.H	.	.
.	.	.	.	. S(J)1898-	.D:J1	.	.H	.	.
.OSHIMA	.A	.3446N	13923	190. G(R) 42-46	.	.	.	.8	.
.	.	.	.	. G(JP) 72-	.D:J1	.	.H	.	.
.	.	.	.	. S(J) 39-	.D:J1	.	.H	.	.
.NARA	.A	.3442N	13550E	105. G(R) 59-71	.D:J1	.	.	.3	.
.	.	.	.	. G(JP) 73-	.D:J1	.	.H	.	.
.	.	.	.	. S(J) 53-	.D:J1	.	.H	.	.
.OSAKA	.A	.3441N	13531E	23. G(R) 53-71	.	.	.	.8	.
.	.	.	.	. G(E.) 59-71	.D:J1-SU1, J3,SU.	.	.H	.	.
.	.	.	.	. G(JP) 71-	.D:J1,MO,SU2	.	.H	.	.
.	.	.	.	. S(J)1890-	.D:J1,MO:SU1-2	.	.H	.	.
.OMAEZAKI	.A	.3436N	13813E	45. G(JP) 72-	.D:J1	.	.H	.8	.
.	.	.	.	. S(J) 33-	.D:J1	.	.H	.	.
.HIROSHIMA	.A	.3422N	13226E	29. G(R) 59-71	.D:J1	.	.	.12	.
.	.	.	.	. G(JP) 72-	.D:J1	.	.H	.	.
.	.	.	.	. S(J)1891-	.D:J1	.	.H	.	.
.TAKAMATSU	.A	.3419N	13403E	9. G(R) 42-71	.D:J1	.	.	.2	.
.	.	.	.	. G(JP) 72-	.D:J1	.	.H	.	.
.	.	.	.	. S(J) 42-	.D:J1	.	.H	.	.
.IZUHARA	.A	.3412N	12918E	21. G(R) 55-71	.D:J1	.	.	.8	.
.	.	.	.	. G(JP) 72-	.D:J1	.	.H	.	.
.	.	.	.	. S(J) 03-	.D:J1	.	.H	.	.
.SHIMONOSEKI	.A	.3357N	13056E	46. G(R) 53-71	.D:J1	.	.	.8	.
.	.	.	.	. G(JP) 73-	.D:J1	.	.H	.	.
.	.	.	.	. S(J)1899-	.D:J1	.	.H	.	.
.NATSUYAMA	.A	.3350N	13247E	32. G(R) 59-71	.D:J1	.	.	.8	.
.	.	.	.	. G(JP) 72-	.D:J1	.	.H	.	.
.	.	.	.	. S(J)1891-	.D:J1	.	.H	.	.
.FUKUOKA	.A	.3335N	13023E	3. I(SD) 32*	. J3	.	.	.8	.
.	.	.	.	. G(R) 39-71	.	.	.	.	.
.	.	.	.	. G(E.) 59-71	.D:J1-SU1, J3,SU.	.	.H	.	.
.	.	.	.	. G(JP) 71-	.D:J1-SU1,MO,SU2.	.	.H	.	.
.	.	.	.	. S(J)1896-	.D:J1,MO:SU1-2	.	.H	.	.
.KOCHI	.A	.3234N	13333E	1. G(R) 53-71	.D:J1	.	.	.4	.
.	.	.	.	. G(JP) 73-	.D:J1	.	.H	.	.
.	.	.	.	. S(J)1895-	.D:J1	.	.H	.	.
.SHIONOMISAKI	.A	.3327N	13546E	73. I(SD) 32*	.	.	.	.8	.
.	.	.	.	. G(R) 53-71	.D:J1	.	.	.	.
.	.	.	.	. G(JP) 71-	.D:J1-SU1,MO:SU2.	.	.H	.	.
.	.	.	.	. S(J) 13-	.D:J1,MO:SU1-2	.	.H	.	.
.SAGA	.A	.3315N	13018E	4. G(R) 53-71	.D:J1	.	.	.3	.
.	.	.	.	. G(JP) 73-	.D:J1	.	.H	.	.
.	.	.	.	. S(J)1893-	.D:J1	.	.H	.	.
.OITA	.A	.3314N	13137E	5. G(R) 41-71	.D:J1	.	.	.8	.
.	.	.	.	. G(JP) 73-	.D:J1	.	.H	.	.
.	.	.	.	. S(J)1899-	.D:J1	.	.H	.	.
.HACHIJOJIMA	.A	.3306N	13947E	79. G(JP) 71-	.D:J1	.	.H	.6	.
.	.	.	.	. S(J) 07-	.D:J1	.	.H	.	.
.KUMAMOTO	.A	.3249N	13043E	38. G(R) 38-71	.D:J1	.	.	.8	.
.	.	.	.	. G(JP) 72-	.D:J1	.	.H	.	.
.	.	.	.	. S(J)1891-	.D:J1	.	.H	.	.
.NAGASAKI	.A	.3244N	12952E	27. G(R) 35-71	.D:J1	.	.	.8	.
.	.	.	.	. G(JP) 71-	.D:J1	.	.H	.	.
.	.	.	.	. S(J)1897-	.D:J1	.	.H	.	.
.SHIMIZU (ASHIZURI)	.A	.3243N	13301E	31. I(SD) 32*	. J3	.	.	.3	.
.	.	.	.	. G(R) 53-71	.D:J1	.	.	.	.
.	.	.	.	. G(JP) 71-	.D:J1-SU1,MO:SU2.	.	.H	.	.
.	.	.	.	. S(J) 41-	.D:J1,MO:SU1-2	.	.H	.	.
.MIYAZAKI	.A	.3155N	13125E	7. G(R) 53-71	.D:J1	.	.	.8	.
.	.	.	.	. G(JP) 72-	.D:J1	.	.H	.	.
.	.	.	.	. S(J)1896-	.D:J1	.	.H	.	.
.KAGOSHIMA	.A	.3134N	13033E	4. I(SD) 53*	. J3	.	.	.3	.
.	.	.	.	. I(JP) 65*75-	.	.10M.	.	.	.
.	.	.	.	. G(R) 53-71	.D:J1-SU1	.	.	.	.
.	.	.	.	. G(E.) 57-58	.	.	.H	.	.
.	.	.	.	. G(JP) 71-	.D:J1-SU1,MO:SU2.	.	.H	.	.
.	.	.	.	. S(J)1899-	.D:J1,MO:SU1-2	.	.H	.	.
.NAZE	.A	.2823N	12930E	3. G(R) 53-71	.D:J1	.	.	.2	.
.	.	.	.	. G(JP) 71-	.D:J1	.	.H	.	.
.	.	.	.	. S(J)1897-	.D:J1	.	.H	.	.
.CHICHIJIMA	.A	.2705N	14211E	3. I(SD) 33*41	.	.	.	.8	.
.	.	.	.	. G(K) 70-73	.D:J1-SU1,MO:SU2.	.	.H	.	.
.	.	.	.	. G(JP) 73-	.D:J1-SU1,MO:SU2.	.	.H	.	.
.	.	.	.	. S(J) 70-	.D:J1,MO:SU1-2	.	.H	.	.
.NAHA	.A	.2614N	12741E	35. I(SD) 32*	.	.	.	.2	.
.	.	.	.	. G(E.) 68-73	.D:J1-SU1,MO:SU2.	.	.H	.	.
.	.	.	.	. G(JP) 73-	.D:J1-SU1,MO:SU2.	.	.H	.	.
.	.	.	.	. S(J)1900-	.D:J1,MO:SU1-2	.	.H	.	.
.MINAMI-DAITOJIMA	.A	.2550N	13114E	14. G(JP) 73-	.D:J1	.	.H	.8	.
.	.	.	.	. S(J) 68-	.D:J1	.	.H	.	.
.MIYAKOJIMA	.A	.2447N	12517E	40. G(R) 68-	.D:J1	.	.H	.8	.
.	.	.	.	. S(J) 68-	.D:J1	.	.H	.	.
.ISHIGAKIJIMA	.A	.2420N	12410E	6. I(SD) 41*	.	.	.	.8	.
.	.	.	.	. G(R) 41-73	.D:J1	.	.	.	.
.	.	.	.	. G(E.) 69-71	.D:J1-SU1,MO:SU2.	.	.H	.	.
.	.	.	.	. G(JP) 73-	.D:J1-SU1,MO:SU2.	.	.H	.	.
.	.	.	.	. S(J)1899-	.D:J1,MO:SU1-2	.	.H	.	.
.MINAMI-TORISHIMA	.A	.2418N	15358E	9. G(K) 70-73	.D:J1-SU1,MO:SU2.	.	.H	.4	.
.	.	.	.	. G(JP) 73-	.D:J1-SU1,MO:SU2.	.	.H	.	.
.	.	.	.	. S(J) 70-	.D:J1,MO:SU1-2	.	.H	.	.

KOREAN PEOPLE'S DEM. REP.

2	3.	4		5	6	7.	8.	9.	10
.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.
.KYONGSEUNG	.A	.4141N	12941E	8. G( )	.D:SU1,MO:SU2	.	.	.	.
.	.	.	.	. S(J)	.MO:SU1-2	.	.	.	.
.PYONGYANG	.A	.3902N	12547E	35. G( )	.D:SU1,MO:SU2	.	.	.8	.
.	.	.	.	. S(J)	.MO:SU1-2	.	.	.	.
.HAIZU/HAEJU	.A	.3802N	12542E	79. G( )	.D:SU1,MO:SU2	.	.	.8	.
.	.	.	.	. S(J)	.MO:SU1-2	.	.	.	.

2	3.	4		5	6	7.	8.	9.	10
.CHUNCHEON	.A	.3752N	12736E	74. G(R)	.D:K01	.	.	.6	.
				. S(J)	.D:K01	.	.	.	.
.GANGREUNG	.A	.3745N	12854E	26. G(R)	.D:K01	.	.	.6	.
				. S(J)	.D:K01	.	.	.	.
.GANGHWA	.A	.3744N	12629E	25. G(E)	.D:K01	.	.	.6	.
				. S(.)	.D:K01	.	.	.	.
.DAEGWANRYEONG	.A	.3741N	12844E	820. G(R)	.D:K01	.	.	.6	.
				. S(J)	.D:K01	.	.	.	.
.SEOUL	.A	.3734N	12658E	86. G(R)	.D:K01	.	.	.6	.
				. S(J)	.D:K01	.	.	.	.
.YANGPYEONG	.A	.3729N	12729E	80. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.INCHEON	.A	.3729N	12638E	69. G(R)	.D:K01	.	.	.6	.
.SAMCHEOG	.A	.3726N	12910E	7. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.WEONSEONG	.A	.3719N	12800E	140. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.JECHLON	.A	.3717N	12726E	98. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.6	.
.SUWLON	.A	.3716N	12659E	37. G(R)	.D:K01	.	.	.6	.
				. S(J)	.D:K01	.	.	.	.
.JECHEON	.A	.3708N	12812E	220. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.CHUNGJU	.A	.3658N	12755E	50. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.YEONGJU	.A	.3649N	12837E	146. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.ASAN	.A	.3647N	12659E	25. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.CHEONJU	.A	.3638N	12726E	59. G(R)	.D:K01	.	.	.6	.
				. S(J)	.D:K01	.	.	.	.
.MUN-GYEONG	.A	.3635N	12812E	52. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.YEONGDEOG	.A	.3632N	12925E	55. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.BOEUN	.A	.3630N	12745E	170. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.YSEONG	.A	.3621N	12720E	70. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.EUISEONG	.A	.3621N	12641E	73. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.BORYEONG	.A	.3620N	12637E	33. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.BUYEO	.A	.3616N	12655E	16. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.SEONSAN	.A	.3614N	12818E	40. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.GEUMSAN	.A	.3606N	12728E	140. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.CHILGOG	.A	.3557N	12834E	55. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.YEONGCHEON	.A	.3557N	12856E	80. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.IRI	.A	.3555N	12657E	6. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.BUAN	.A	.3543N	12642E	6. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.GEOCHANG	.A	.3540N	12755E	225. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.IMSIL	.A	.3536N	12717E	225. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.HADCHEON	.A	.3534N	12810E	31. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.JEONGEUP	.A	.3534N	12653E	30. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.NILYANG	.A	.3529N	12845E	12. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.SANCHEONG	.A	.3525N	12753E	200. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.NAMWEON	.A	.3525N	12725E	115. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.HAMAN	.A	.3517N	12825E	9. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.JINJU	.A	.3511N	12805E	25. G(R)	.D:K01	.	.	.6	.
				. S(J)	.D:K01	.	.	.	.
.GWANGJU	.A	.3509N	12653E	43. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.HAMPYEONG	.A	.3504N	12631E	9. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.SEUNGJU	.A	.3504N	12715E	57. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.GEOJE	.A	.3453N	12837E	12. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.MOGPO	.A	.3447N	12623E	53. G(R)	.D:K01	.	.	.6	.
				. S(J)	.D:K01	.	.	.	.
.JANGHEUNG	.A	.3441N	12655E	40. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.HAENAM	.A	.3433N	12635E	38. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.GOHEUNG	.A	.3436N	12718E	22. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.WANDO	.A	.3419N	12645E	20. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.JEJU	.A	.3330N	12632E	59. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.SEONGSANPO	.A	.3327N	12655E	11. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.
.DAEJEONG	.A	.3313N	12615E	20. G(E)	.D:K01	.	.	.6	.
				. S( )	.D:K01	.	.	.	.

KUWAIT

2	3.	4		5	6	7.	8.	9.	10
.KUWAIT INT'L AIRPORT	.A	.2913N	4758E	45. I(E0)	.	.	.	.48	.
				. S(E0)	.	.D	.	.	.
				. S(..)	.	.D	.	.	.

LAO PEOPLE'S DEM. REP.

2	3.	4	5	6	7.	8.	9.	10
LUANG-PRABANG	A	1953N 10208E 305	G(.) 61- S(C) 61-				24	
VIENTIANE	A	1757N 10234E 170	G(..) 58- S(C) 58-				24	
PAKSE	A	1507N 10547E 100	G(..) S(C) 68-				24	

MACAU

2	3.	4	5	6	7.	8.	9.	10
MACAU	A	2212N 11332E 57	G(E1) S(K) D( ) S(C)	D:SU1-P1,MO:SU2 D:SU1-P1 D:P1 MO:SU1-2-P1			24	

MALDIVES

2	3.	4	5	6	7.	8.	9.	10
GAN	A	0041S 7309E 2	G(K) S*(GD)					

MONGOLIA

2	3.	4	5	6	7.	8.	9.	10
ULANGOM	A	4948N 9205E 934	G(Y) S(C)	D:SU1,MO:SU2 MO:SU1-2			24	
MUREN	A	4933N 10010E1288	G(Y) S(C)	D:SU1,MO:SU2 MO:SU1-2			24	
ULAN-BATOR	A	4751N 10645E1264	G(Y) S(C)	D:SU1,MO:SU2 MO:SU1-2			24	
ULYASUTAY	A	4745N 9651E1751	G(Y) S(C)	D:SU1,MO:SU2 MO:SU1-2			24	
DALAN-DZADAGAD	A	4335N 10425E1469	G(Y) S(C)	D:SU1,MO:SU2 MO:SU1-2			24	

PAKISTAN

2	3.	4	5	6	7.	8.	9.	10
PESHAWAR	A	3400N 7131E 360	I( ) * G(K) 57-60*64-68*70 S(C)	D:SU1,MO:SU2 MO:SU2	*		24	5TIMES A DAY
LAHORE	A	3133N 7420E 214	I( ) G(K) 67- S(C)	D:SU1,MO:SU2 MO:SU1-2	*		24	5TIMES A DAY
MULTAN	A	3012N 7126E 123	I( ) G(K) 57-70*73- S(C)	D:SU1,MO:SU2 MO:SU1-2	*		19	5TIMES A DAY
QUETTA	A	3011N 6657E1799	I( ) G(K) 57- S(C)	D:SU1,MO:SU2 MO:SU1-2	*		8	5TIMES A DAY
KARACHI AIRPORT	A	2454N 6738E 22	I( ) G(K) 57-61,66- S(C)	D:SU1,MO:SU2 MO:SU1-2	*		24	5TIMES A DAY

QATAR

2	3.	4	5	6	7.	8.	9.	10
DOHA INT'L A	A	2516N 5133E 11	G(R) S( )		MC MC		24	

SRI LANKA

2	3.	4	5	6	7.	8.	9.	10
JAFFNA	A	0945N 8000E	G(R) 76-78					
MAHA ILLUPPALLAMA	A	0800N 8030E	G(R) 75-77 S(C) 54-					
KANDY	A	0715N 8030E	G(R) 73-76 S(C) 51-					
COLOMBO	A	0654N 7952E 4	G(K) 64-70 G(R) 74- S(C) 51-				8	

THAILAND

2	3.	4	5	6	7.	8.	9.	10
CHIANG MAI	A	1847N 9859E 312	G(K) S( )		H		24	
NAKHON PHANOM	A	1725N 10447E 140	G(K) S( )		H		6	
BANGKOK	A	1344N 10034E 2	G(K) 64- G*(..)64- S( )	D:SU1,MO:SU2 MO:SU1-2	H H		24	
SATTAHIP	A	1241N 10059E 16	G( ) S( )				8	
SONGKHLA	A	0712N 10036E 4	G(K) S( )		H		11	

2	3	4	5	6	7	8	9	10
KRENKEL OBS./KHEISA IS.	A	8037N 5803E	21. G(Y)	H:SU3,D:SU1,			.8	
				MO:SU2				
			D(Y)	H:SU3				
			R(..)	H:SU3				
			Q*(Y)	H:SU3-SU1,MO:SU.				
			S(C)	MO:SU1-2				
CHELYUSKIN	A	7743N 10417E	12. G(Y)	H:SU3,D:SU1,			.8	
				MO:SU2				
			D(Y)	H:SU3				
			R( )	H:SU3				
			Q*(Y)	H:SU3-SU1,MO:SU.				
			S(C)	MO:SU1-2				
KOTELNY IS.	A	7600N 13754E	11. G(Y)	H:SU3,D:SU1,			.8	
				MO:SU2				
			D(Y)	H:SU3				
			R(..)	H:SU3				
			Q*(Y)	H:SU3-SU1,MO:SU.				
			S(C)	MO:SU1-2				
DICKSON IS.	A	7330N 8014E	42. G(Y)	H:SU3,D:SU1,			.8	
				MO:SU2				
			D(Y)	H:SU3				
			R( )	H:SU3				
			Q*(Y)	H:SU3-SU1,				
				MO:SU2				
			S(C)	MO:SU1-2				
WRANGEL IS.	A	7058N 17832W	2. G(Y)	H:SU3,D:SU1,			.8	
				MO:SU2				
			D(Y)	H:SU3				
			R( )	H:SU3				
			Q*(Y)	MO:SU2				
			S(C)	MO:SU1-2				
CHETYREKHSTOLBOVOI IS.	A	7038N 16224E	32. G(Y)	H:SU3,D:SU1,			.8	
				MO:SU2				
			D(Y)	H:SU3				
			R(..)	H:SU3				
			Q*(Y)	H:SU3-SU1,MO:SU.				
			S(C)	MO:SU1-2				
OLENEK	A	6830N 11226E	127. G(Y)	H:SU3,D:SU1,			.8	
				MO:SU2				
			D(Y)	H:SU3				
			Q*(Y) 73-	H:SU1,MO:SU2				
			S(C)	MO:SU1-2				
VERKHOYANSK	A	6733N 13323E	137. G(Y)	H:SU3,D:SU1,			.8	
				MO:SU2				
			D(Y)	H:SU3				
			Q*(Y)	H:SU3-SU1,MO:SU.				
			S(C)	MO:SU1-2				
TURUKHANSK	A	6547N 8757E	38. G(Y)	H:SU3,D:SU1,			.8	
				MO:SU2				
			D(Y)	H:SU3				
			S(C)	MO:SU1-2				
OIMYAKON	A	6316N 14309E	740. G(Y)	H:SU3,D:SU1,			.8	
				MO:SU2				
			D(Y)	H:SU3				
			Q*(Y)	H:SU3,MO:SU2				
			S(C)	MO:SU1-2				
YAKUTSK	A	6205N 12945E	98. I( )	H:SU3			.8	
			G(Y)	H:SU3,D:SU1,				
				MO:SU2				
			D(Y)	H:SU3				
			Q*(Y)	H:SU3-SU1,MO:SU.				
			S(C)	MO:SU1-2				
ALEKSANDROVSKOYE	A	6026N 7752E	47. G(Y)	H:SU3,D:SU1,			.8	
				MO:SU2				
			D(Y)	H:SU3				
			S(C)	MO:SU1-2				
VANAVARA	A	6020N 10216E	259. G(Y)	H:SU3,D:SU1,			.8	
				MO:SU2				
			D(Y)	H:SU3				
			Q*(Y)	H:SU3-SU1,MO:SU.				
			S(C)	MO:SU1-2				
OKHOTSK	A	5922N 14312E	8. G(Y)	H:SU3,D:SU1,			.8	
				MO:SU2				
			D(Y)	H:SU3				
			S(C)	MO:SU1-2				
SVERDLOVSK/VERKHNEE DUB.	A	5648N 6038E	290. I(..)	H:SU3			.8	
			G(Y)	H:SU3,D:SU1,				
				MO:SU2				
			D(Y)	H:SU3				
			Q*(Y)	H:SU3-SU1,MO:SU.				
			S(C)	MO:SU1-2				
OMSK	A	5456N 7324E	119. I(.)	H:SU3			.8	
			G(Y)	H:SU3,D:SU1,				
				MO:SU2				
			D(Y)	H:SU3				
			R(..)	H:SU3				
			Q*(Y)	H:SU3-SU1,MO:SU.				
			S(C)	MO:SU1-2				
KUIBYSHEV	A	5315N 5027E	137. I(..)	H:SU3			.8	
			G(Y)	H:SU3,D:SU1,				
				MO:SU2				
			D(Y)	H:SU3				
			R(..)	H:SU3				
			Q*(Y)	H:SU3-SU1,MO:SU.				
			S(C)	MO:SU1-2				
PETROPAVLOVSK-KAMCHATSKIY	A	5253N 15845E	32. G(Y)	H:SU3,D:SU1,			.8	
				MO:SU2				
			D(Y)	H:SU3				
			R(..)	H:SU3				
			S(C)	MO:SU1-2				
IRKUTSK	A	5216N 10421E	467. I(..)	H:SU3			.8	
			G(Y)	H:SU3,D:SU1,				
				MO:SU2				
			D(Y)	H:SU3				
			R(..)	H:SU3				
			Q*(Y)	H:SU3-SU1,MO:SU.				
			S(C)	MO:SU1-2				
CHITA	A	5201N 11320E	671. G(Y)	H:SU3,D:SU1,			.8	
				MO:SU2				
			D(Y)	H:SU3				
			Q*(Y)	H:SU3-SU1,MO:SU.				
			S(C)	MO:SU1-2				

2	3.	4	5	6	7.	8.	9.	10
SEMIPALATINSK	A	5021N 8015E 195.	G(Y)	H:SU3,D:SU1, MO:SU2			8	
			D(Y)	H:SU3				
			I*(Y)	H:SU3-SU1,MO:SU				
			S(C)	MO:SU1-2				
KHABAROVSK	A	4833N 13510E 87.	G(Y)	H:SU3,D:SU1, MO:SU2			6	
			D(Y)	H:SU3				
			Q*(Y)	H:SU3-SU1,MO:SU				
			S(C)	MO:SU1-2				
BOLSHAYA ELAN	A	4655N 14244E 22.	G(Y)	H:SU3,D:SU1, MO:SU2			6	
			D(Y)	H:SU3				
			S(C)	MO:SU1-2				
ARLASKOE MORE	A	4647N 6140E 62.	G(Y)	H:SU3,D:SU1, MO:SU2			8	
			D(Y)	H:SU3				
			R( )	H:SU3				
			I*(Y)	H:SU3-SU1,MO:SU				
			S(C)	MO:SU1-2				
VLADIVOSTOK/SAD GOROV	A	4307N 13154E 80.	I(.)	H:SU3			6	
			G(Y)	H:SU3,D:SU1, MO:SU2				
			D(Y)	H:SU3				
			R( )	H:SU3				
			Q*(Y)	H:SU3-SU1,MO:SU				
			S(C)	MO:SU1-2				
TASHKENT	A	4110N 6916E 476.	I(..)	H:SU3			6	
			G(Y)	H:SU3,D:SU1, MO:SU2				
			D(Y)	H:SU3				
			Q*(Y)	H:SU3-SU1,MO:SU				
			S(C)	MO:SU1-2				

YEMEN

2	3.	4	5	6	7.	8.	9.	10
SANA'A	A	1531N 4411E2206.	G( )				15	
			S( )					

REGION III
SOUTH AMERICA

ARGENTINA

2	3.	4	5	6	7.	8.	9.	10
.LA QUIACA OBSERVATORIO	.A .2206S	6536W3462.	G( )			.6		
			S( )					
.LAS LOMITAS	.A .2442S	6035W 130.	G( )			.6		
			S( )					
.TUCUMAN AERO	.A .2648S	6512W 422.	I(LF)			.24		
			G(K) 65-	.D:SU1,MO:SU2	.H			
			Q*(SH)	.H:SU1,MO:SU2	.H			
			S(C)					
.RESISTENCIA AERO	.A .2727S	5903W 53.	G( )			.24		
			S( )					
.CONCORDIA AERO	.A .3118S	5801W 35.	G( )			.18		
			S(C)					
.SAN JUAN AERO	.A .3134S	6825W 597.	G( )			.24		
			S( )					
.PILAR OBSERVATORIO	.A .3140S	6353W 338.	I(LF)			.3		
			G(K) 64-	.D:SU1,MO:SU2	.H			
			Q*(SH)64-	.H:SU1,MO:SU2	.H			
			S(C)					
.MENDOZA	.A .3253S	6851W 828.	I(LF)			.24		
			G(K) 65-	.D:SU1,MO:SU2				
			Q*(SH)	.H:SU1,MO:SU2				
			S(C)					
.SAN MARTIN	.A .3305S	6825W 653.	I(LF)			.7		
			G(K) 65-		.H			
			Q*(SH)64-					
			S(C)					
.LABOULAYE	.A .3408S	6322W 136.	G( )			.8		
			S( )					
.BUENOS AIRES (OBS.CENT.)	.A .3435S	5829W 25.	I(A)			.24	.OZONE	
			I(SD)					
			I(LF)				.OG1,RG2-8,CUA.	
			G(K) 64-	.D:SU1,MO:SU2	.H			
			Q*(SH)64-	.H:SU1,MO:SU2				
			S(C)					
.SAN MIGUEL	.A .3433S	5833W 25.	G( )			.3		
			S( )					
.PEHUAJO AERO	.A .3551S	6152W 86.	G( )			.16		
			S( )					
.NEUQUEN AERO	.A .3857S	6808W 270.	I(LF)			.24		
			G(K) 65-	.D:SU1,MO:SU2	.H			
			Q*(SH)	.H:SU1,MO:SU2				
			S(C)					
.PASO DE INDIOS	.A .4349S	6853W 460.	G( )			.5		
			S( )					
.COMODORO RIVADAVIA AERO	.A .4547S	6727W 58.	G( )			.24		
			S( )					
.SANTA CRUZ AERO	.A .5001S	6834W 113.	G( )			.1		
			S( )					
.LAGO ARGENTINO AERO	.A .5020S	7218W 223.	G( )			.6		
			S(C)					

BRAZIL

2	3.	4	5	6	7.	8.	9.	10
.BELEM	.A .0123S	4329W 16.	G(EB)			.24		
.SAO LUIZ	.A .0236S	4414W 53.	G(EB)			.24		
.MANAUS	.A .0309S	5959W 84.	G(EB)			.24		
.FORTALEZA	.A .0347S	3832W 25.	G(EB)			.24		
.FLORIANO	.A .0646S	4301W 110.	G(EB)			.3		
.CAROLINA	.A .0719S	4728W 183.	G(EB)			.15		
.PETROLINA	.A .0924S	4030W 375.	G(EB)			.15		
.SALVADOR	.A .1300S	3831W 51.	G(EB)			.3		
.BOM JESUS DA LAPA	.A .1316S	4325W 440.	G(EB)			.3		
.CUIABA	.A .1539S	5606W 182.	G(EB)			.14		
.BRASILIA	.A .1552S	4756W1061.	G(EB)			.24		
.CARAVELAS	.A .1738S	3915W 4.	G(EB)			.24		
.CAMPO GRANDE	.A .2028S	5440W 567.	G(EB)			.24		
.PIRACICABA	.B .2242S	4738W 580.	G(E.)					
			S(C)					
.RIO JANEIRO	.A .2254S	4310W 5.	G(EB)			.24		
.SAO PAULO	.A .2337S	4639W 802.	G(EB)			.24		
.CURITIBA	.A .2531S	4910W 908.	G(EB)			.24		
.FOZ DO IGUACU	.A .2531S	5435W 180.	G(EB)			.15		
.PORTO ALEGRE	.A .3000S	5111W 3.	G(EB)			.24		
.PELOTAS	.B .3145S	5221W 7.	G(E)					
			S(C)					

CHILE

2	3.	4	5	6	7.	8.	9.	10
.PARINACOTA	.A .1812S	6916W4392.	G(R)					
			S(C)					
.MURMUNTANE	.A .1822S	6934W3280.	G(R)					
			S(C)					
.ARICA/ CHACALLUTA	.A .1830S	7019W 100.	G(R)			.18		
			S(C)					
.IQUIQUE/CAVANCHA	.A .2013S	7009W 8.	G(R)			.17		
.PICA	.A .2030S	6921W1280.	G(R)					
			S(C)					
.QUILLAGUA	.A .2136S	6933W 802.	G(R)					
.PARSHALL 2.	.A .2158S	6831W3360.	G(R)					
.TOCOPILLA	.A .2205S	7013W 16.	G(R)					
.EL TATIO	.A .2221S	6803W4320.	G(R)					
			S(C)					
.COYA SUR	.A .2226S	6939W1490.	G(R)					
.CALAMA	.A .2228S	6855W2270.	G(R)			.5		
.SAN PEDRO DE ATACAMA	.A .2255S	6811W2436.	G(R)					
			S(C)					
.ANTOFAGASTA	.A .2328S	7026W 122.	G(R)					
			S(C)					
.CATALINA	.A .2513S	6943W2180.	G(R)					
.TAL-TAL	.A .2525S	7034W 5.	G(R)					
.POTRERILLOS	.A .2620S	6929W2850.	G(R)					
.CHANARAL	.A .2620S	7037W 29.	G(R)			.17		

CHILE

2	3.	4		5	6	7.	8.	9.	10
CALDERA	A	2705S	7051W 14.	G(R) S(C)					
COPIAPO	A	2721S	7020W 370.	G(R) S(C)				14	
LAUTARO	A	2758S	7001W1200.	G(R)					
VALLENAR	A	2835S	7046W 469.	G(R) S(C)				17	
LA SERENA	A	2954S	7115W 32.	G(R) S(C)				18	
OVALLE	A	3034S	7111W 370.	G(R) S(C)					
LA PALOMA	A	3041S	7102W 342.	G(R) S(C)					
LOS MOLLES	A	3045S	7025W2620.	G(R) S(C)					
EL YESO	A	3241S	7017W2475.	G(R) S(C)					
VALPARAISO	A	3302S	7136W 70.	G(R) S(C)					
EL OLIVAR	A	3302S	7129W 120.	G(R) S(C)					
SANTIAGO	A	3327S	7042W 520.	G(R) S(C)				24	
EL BOSQUE	A	3334S	7041W 580.	G(R) S(C)				5	
PIRQUE	A	3337S	7031W 690.	G(R) S(C)					
GUAYACAN	A	3339S	7021W1060.	G(R) S(C)					
LAS MELOZAS	A	3354S	7012W1527.	G(R) S(C)					
QUELENTARO	A	3402S	7136W 265.	G(R) S(C)					
PUENTE ARQUEADO	A	3417S	7121W 119.	G(R) S(C)					
RENGO	A	3424S	7052W 333.	G(R) S(C)					
POPETA	A	3426S	7048W 360.	G(R) S(C)					
SAN FERNANDO	A	3435S	7100W 350.	G(R) S(C)					
CONVENTO VIEJO	A	3445S	7106W 312.	G(R) S(C)					
COLORADO	A	3537S	7116W .	G(R) S(C)					
AMERILLO	A	3542S	7106W 450.	G(R) S(C)					
LAGUNA INVERNADA	A	3544S	7027W1325.	G(R) S(C)					
CONCEPCION	A	3650S	7302W 15.	G(R) S(C)				24	
POLCURA	A	3719S	7132W 650.	G(R) S(C)					
LAGO LAJA	A	3722S	7122W1375.	G(R) S(C)					
COLLIPULLI	A	3757S	7226W 250.	G(R) S(C)					
LOQUIMAY	A	3826S	7115W 900.	G(R) S(C)					
PUCON	A	3916S	7158W 230.	G(R) S(C)					
PULLINQUE	A	3945S	7213W 145.	G(R) S(C)					
HUILO-HUILO	A	3949S	7200W 720.	G(R) S(C)					
LAGO CHAPO	A	4126S	7225W 247.	G(R) S(C)					
ALTO PALENA	A	4337S	7147W 266.	G(R) S(C)				16	
EVANGELISTAS	A	5224S	7505W 56.	G(R) S(C)				8	
PUNTA ARENAS	A	5300S	7050W 33.	G(R) S(C)				13	
PUERTO WILLIAMS	A	5456S	6729W 8.	G(R) S(C)				8	

ECUADOR

2	3.	4		5	6	7.	8.	9.	10
IZOBAMBA/SANTA CATALINA	A	0022S	7833W3058.	G( ) S(C)				5	
PORTOVIEJO	A	0104S	8026W 44.	G( ) S( )				5	
PICHILINGUE	A	0106S	7929W 73.	G( ) S( )	64-			5	
EL PUYO	A	0135S	7754W 950.	G( ) S( )	65-			5	
LA CLEMENTINA	A	0140S	7921W 20.	G( ) S( )	66-				
ISABEL MARIA	A	0143S	7932W 7.	G( ) S( )					
MILAGRO	A	0209S	7936W 13.	G( ) S( )				5	

FRENCH GUIANA

2	3.	4		5	6	7.	8.	9.	10
CAYENNE/ROCHAMBEAU	A	0450N	5222W 9.	G(K) S(C)					

GUYANA

2	3	4		5	6	7	8	9	10
GEORGETOWN	A	0648N	5809W	1. G(R) 75-			D	4	
				S(C) 75-			D		
TIMEHRI	A	0630N	5815W	28. G(..)				24	
				S(..)					
EBINI	A	0534N	5747W	28. G(R) 75-			D	4	
				S(C) 75-			D		
LETHEM	A	0322N	5948W	82. G(R) 75-			D	4	
				S(C) 75-			D		

PARAGUAY

2	3	4		5	6	7	8	9	10
BASE S/GRAL A. JARA	A	1932S	5922W	150. G( )				8	
				S( )					
BAHIA NEGRA	A	2013S	5810W	92. G( )				8	
				S(C)					
MARISCAL ESTIGARRIBIA	A	2201S	6036W	172. G( )				8	
				S(C)					
PASO BARETTO	A	2303S	5659W	95. G( )				4	
				S(C)					
CONCEPTION	A	2325S	5718W	74. G( )				8	
				S(C)					
ASUNCION AEROPUERTO	A	2516S	5738W	101. G( )				24	
				S(C)					
SAN LORENZO	A	2522S	5733W	120. G( )				4	
				S(C)					
VILLARRICA	A	2545S	5626W	161. G( )				8	
				S(C)					
CARRAPEUGA	A	2548S	5713W	116. G( )				4	
				S( )					
CAAZAPA	A	2611S	5621W	G( )				4	
				S( )					
ITA-CORA	A	2713S	5816W	G( )				4	
ENCARNACION	A	2719S	5550W	91. G( )				8	
				S( )					

VENEZUELA

2	3	4		5	6	7	8	9	10
LA ORCHILLA	A	1148N	6611W	3. G(R)	D:SU1,MO:SU2	D		18	
				S(C)	MO:SU1-2				
CORO	A	1125N	6941W	20. G(R)	D:SU1,MO:SU2	D		18	
				S(C)	MO:SU1-2				
PORLAMAR	A	1055N	6358W	24. G(R)		D		18	
				S(C)					
MARACAIBO	A	1039N	7136W	40. G(R)	D:SU1,MO:SU2	D		20	
				S(C)	MO:SU1-2				
CARACAS/MAIQUETIA	A	1036N	6659W	43. G(R)	D:SU1,MO:SU2	D		24	
				S(C)	MO:SU1-2				
GUIRIA	A	1035N	6218W	8. G(R)	D:SU1,MO:SU2	D		18	
				S(C)	MO:SU1-2				
PTO.CABELLO	A	1030N	6800W	2. G(R)		D		18	
				S(C)					
CARACAS/LA CARLOTA	A	1030N	6653W	835. G(R)	D:SU1,MO:SU2	D		18	
				S(C)	MO:SU1-2				
MARACAY	A	1015N	6739W	442. G(R)	D:SU1,MO:SU2	D		24	
				S(C)	MO:SU1-2				
BARCELONA	A	1007N	6441W	7. G(R)	D:SU1,MO:SU2	D		20	
				S(C)	MO:SU1-2				
BARQUISIMETO	A	1004N	6919W	590. G(R)	D:SU1,MO:SU2	D		18	
				S(C)	MO:SU1-2				
MENE GRANDE	A	0949N	7056W	27. G(R)		D		18	
				S(C)					
MATURIN	A	0945N	6311W	70. G(R)	D:SU1,MO:SU2	D		20	
				S(C)	MO:SU1-2				
ACARIGUA	A	0933N	6914W	226. G(R)		D		18	
				S(C)					
GUANARE	A	0901N	6944W	163. G(R)		D		18	
				S(C)					
MERIDA	A	0836N	7110W	1479. G(R)	D:SU1,MO:SU2	D		18	
				S(C)	MO:SU1-2				
CIUDAD BOLIVAR	A	0809N	6333W	50. G(R)	D:SU1,MO:SU2	D		18	
				S(C)	MO:SU1-2				
SAN FERNANDO DE APURE	A	0754N	6725W	73. G(R)	D:SU1,MO:SU2	D		18	
				S(C)	MO:SU1-2				
SAN ANTONIO	A	0751N	7227W	404. G(R)	D:SU1,MO:SU2	D		18	
				S(C)	MO:SU1-2				
TUMEREMO	A	0718N	6127W	180. G(R)	D:SU1,MO:SU2	D		18	
				S(C)	MO:SU1-2				
GUAS DUALITO	A	0714N	7048W	130. G(R)		D		18	
				S(C)					
PUERTO AYACUCHO	A	0541N	6736W	99. G(R)	D:SU1,MO:SU2	D		18	
				S(C)	MO:SU1-2				
SANTA ELENA DE VARREN	A	0436N	6107W	907. G(R)	D:SU1,MO:SU2	D		18	
				S(C)	MO:SU1-2				

REGION IV
NORTH AMERICA

2	3.	4		5	6	7.	8.	9.	10
HUSBANDS	A	1306N 5936W	42.	G(K) 71- S(C) 69-	MO:SU2 MO:SU2				

CANADA - ALBERTA

2	3.	4		5	6	7.	8.	9.	10
BEAVERLODGE CDA	A	5512N 11925W	732.	G(E1) 60-70	H:CDN1,D:SU1	H	H		
				G(K) 70-	H:CDN1,D:SU1	H	H		
				S(C) 22-	D:CDN3	H	H		
GRAND PRAIRIE A	A	5511N 11853W	668.	G(R) 54-56	D:CDN1	D	D		
EDMONTON MUNICIPAL A	A	5334N 11331W	676.	G(E1) 48-66	H:CDN1,D:SU1	H	H	.24	
				UV( )46*58		D			
				S(C) 43-	D:CDN3	H	H		
EDMONTON-STONY PLAIN	A	5333N 11406W	766.	G(E1) 66-71	H:CDN1,D:SU1	H	H		
				G(K) 71-	H:CDN1,D:SU1	H	H		
				D(K) 76-	H:CDN1	H	H		
				Q*(FU)66-	H:CDN1-SU1	H	H		
SUFFIELD A	A	5016N 11111W	770.	G(E1) 59-70	H:CDN1,D:SU1	H	H		
				G(E2) 70-	H:CDN1,D:SU1	H	H		
				S(C) 53-	D:CDN3	H	H		
LETHBRIDGE A	A	4938N 11248W	929.	G(R) 53-64	D:CDN1-SU1	D	D	.24	
				Q*(FU)72-	H:CDN1-SU1	H	H		
HIGH LEVEL A	A	5837N 11710W	336.	S(C) 71-	D:CDN3	H	H	.24	
FORT VERMILION CDA	A	5823N 11602W	279.	S(C) 08-	D:CDN3	H	H		
KEG RIVER	A	5747N 11752W	427.	S(C) 58-	D:CDN3	H	H		
MILDRED LAKE	A	5702N 11136W	310.	S(C) 73-	D:CDN3	H	H		
FORT MCMURRAY A	A	5639N 11113W	369.	S(C) 71-	D:CDN3	H	H	.24	
FAIRVIEW	A	5604N 11823W	670.	S(C) 31-	D:CDN3	H	H		
SLAVE LAKE A	A	5518N 11447W	581.	S(C) 71-	D:CDN3	H	H	.24	
COLD LAKE A	A	5425N 11017W	541.	S(C) 73-	D:CDN3	H	H	.24	
EDSON A	A	5335N 11627W	921.	S(C) 63-	D:CDN3	H	H	.24	
RANFURLY	A	5327N 11139W	686.	S(C) 19-	D:CDN3	H	H		
ELLERSLIE	A			S(C) 64-	D:CDN3	H	H		
EDMONTON INT'L A	A	5319N 11335W	723.	S(C) 72-	D:CDN3	H	H	.24	
LACOMBE CDA	A	5228N 11345W	847.	S(C) 08-	D:CDN3	H	H		
CORONATION	A	5206N 11127W	798.	S(C) 75-	D:CDN3	H	H	.24	
OLDS	A	5147N 11406W1040.		S(C) 63-	D:CDN3	H	H		
MOUNTAIN AIRE LODGE	A	5139N 11517W1372.		S(C) 73-	D:CDN3	H	H		
CALGARY INT'LA	A	5106N 11401W1080.		S(C) 39-	D:CDN3	H	H	.24	
UNIV.OF CALGARY	A	5105N 11408W1112.		S(C) 73-	D:CDN3	H	H		
KANANASKIS	A	5102N 11503W1390.		S(C) 70-	D:CDN3	H	H		
BROOKS HORT.STN	A	5033N 11151W 758.		S(C) 53-	D:CDN3	H	H		
VAUXHALL CDA	A	5003N 11208W 779.		S(C) 54-	D:CDN3	H	H		
MEDICINE HAT A	A	5001N 11043W 717.		S(C) 06-	D:CDN3	H	H	.24	
LETHBRIDGE CDA	A	4942N 11247W 899.		S(C) 08-	D:CDN3	H	H		
MANYBERRIES CDA	A	4907N 11028W 934.		S(C) 28-	D:CDN3	H	H		

CANADA - BRITTISH COLUMBIA

2	3.	4		5	6	7.	8.	9.	10
FORT NELSON A	A	5850N 12235W 382.		G(K) 71-	H:CDN1,D:SU1	H	H	.24	
PRINCE GEORGE A	A	5353N 1224W 676.		G(K) 73-	H:CDN1,D:SU1	H	H	.24	
				S(C) 45-	D:CDN3	H	H		
SANDSPIT A	A	5315N 13149W 6.		G(E1) 67-71	H:CDN1,D:SU1	H	H	.24	
				G(K) 71-	H:CDN1,D:SU1	H	H		
				S(C) 54-	D:CDN3	H	H		
CAPE ST.JAMES	A	5156N 13101W 89.		G(E1) 67-70	H:CDN1,D:SU1	H	H	.24	
				G(K) 70-	H:CDN1,D:SU1	H	H		
KAMLOOPS A	A	5045N 12035W 345.		G(E2) 74*75	H:CDN2	H		.24	
				Q*(FU)74*75	H:CDN2	H			
				S(C) 06-	D:CDN3	H	H		
PORT HARDY A	A	5041N 12722W 22.		G(E1) 67-76	H:CDN1,D:SU1	H	H	.24	
				G(K) 76-	H:CDN1,D:SU1	H	H		
				D(K) 77-	H:CDN1	H	H		
				S(C) 71-	D:CDN3	H	H		
SUMMERLAND CDA	A	4934N 11939W 454.		G(R) 55-61	D:CDN1	D			
				G(E1) 61-71	H:CDN1,D:SU1	H	H		
				G(K) 71-	H:CDN1,D:SU1	H	H		
				Q*(FU)73-	H:CDN1-SU1	H	H		
				S(C) 71-	D:CDN3	H	H		
VANCOUVER UBC	A	4916N 12315W 93.		G(K) 61-61	H:CDN1,D:SU1	H	H		
				G(E1) 61-66	H:CDN1,D:SU1	H	H		
		4915N 12315W 87.		G(E1) 66-71	H:CDN1,D:SU1	H	H		
				G(K) 71-	H:CDN1,D:SU1	H	H		
				S(C) 57-	D:CDN3	H	H		
VANCOUVER UBC	A	4915N 12315W 87.		I(EN) 76-		H	H		
				G(K) 76-		H	H		
				D(K) 76-		H	H		
				G/(K) 76-		H	H		.30S
				G/(K) 76-		H	H		.60S
				G/(K) 76-		H	H		.90S
				R(K) 76-		H	H		
NANAIMO-DEPARTURE BAY	A	4913N 12357W 8.		G(E1) 59-70	H:CDN1,D:SU1	H	H		
				G(E2) 70-	H:CDN1,D:SU1	H	H		
MT.KOBAU OBSERVATORY	A	4907N 11941W1862.		G(K) 66-67	H:CDN1	H	H		
				G(E1) 67-71	H:CDN1	H	H		
				G(K) 71-	H:CDN1,D:SU1	H	H		
DEASE LAKE	A	5825N 13000W 815.		S(C) 72-	D:CDN3	H	H	.14	
FORT ST.JOHN A	A	5614N 12044W 695.		S(C) 44-	D:CDN3	H	H	.24	
STEWART A	A	5556N 12959W 7.		S(C) 74-	D:CDN3	H	H	.12	
GERMANSEN LANDING	A	5547N 12442W 746.		S(C) 66-	D:CDN3	H	H	.4	
FORT BABINE	A	5519N 12637W 716.		S(C) 72-	D:CDN3	H	H		
MACKENZIE A	A	5518N 12308W 700.		S(C) 71-	D:CDN3	H	H	.12	
TOPLEY LANDING	A	5449N 12610W 722.		S(C) 66-	D:CDN3	H	H		
SMITHERS A	A	5449N 12711W 523.		S(C) 70-	D:CDN3	H	H	.24	
TERRACE A	A	5428N 12835W 217.		S(C) 73-	D:CDN3	H	H	.24	
BABINE LAKE PINKUT CREEK	A	5427N 12527W 713.		S(C) 72-	D:CDN3	H	H		
PRINCE RUPERT A	A	5418N 13026W 34.		S(C) 62-	D:CDN3	H	H	.24	
BURNS LAKE	A	5414N 12546W 707.		S(C) 69-	D:CDN3	H	H	.12	
KITIMAT TOWNSITE	A	5403N 12838W 128.		S(C) 54*73,73-	D:CDN3	H	H		
MC BRIDGE NORTH	A	5322N 12015W 771.		S(C) 73-	D:CDN3	H	H		
WILLIAMS LAKE A	A	5211N 12204W 940.		S(C) 60-	D:CDN3	H	H	.24	
PUNTZI MT	A	5207N 12405W 911.		S(C) 68-	D:CDN3	H	H	.14	
BLUE RIVER	A	5207N 11918W 683.		S(C) 69-	D:CDN3	H	H	.14	
GOLDEN	A	5118N 11658W 787.		S(C) 72-	D:CDN3	H	H		
REVELSTOKE A	A	5058N 11811W 443.		S(C) 69-	D:CDN3	H	H	.14	
SALMON ARM	A	5042N 11915W 506.		S(C) 38-	D:CDN3	H	H		
KAMLOOPS A	A	5042N 12027W 345.		S(C) 51-	D:CDN3	H	H	.24	
VERNON	A	5014N 11917W 555.		S(C) 74-	D:CDN3	H	H	.4	

CANADA - BRITTISH COLUMBIA

2	3	4		5	6	7	8	9	10
.LYTTON	.A	.5014N	12135W 255.	S(C) 71-	.D:CDN3	.M	.H	.18	
.KELOWNA A	.A	.4957N	11923W 417.	S(C) 73-	.D:CDN3	.M	.H	.24	
.PEACHLAND BRENDA MINES	.A	.4952N	12000W1463.	S(C) 70-	.D:CDN3	.M	.H	.	
.MCCULLOCH	.A	.4948N	11912W1250.	S(C) 67-	.D:CDN3	.H	.H	.	
.KIMBERLEY COMINCO	.A	.4939N	11558W1027.	S(C) 68-	.D:CDN3	.H	.H	.	
.CRANBROOK A	.A	.4936N	11547W 930.	S(C) 70-	.D:CDN3	.H	.H	.24	
.ARRAWANA	.A	.4935N	11934W 518.	S(C) 70-	.D:CDN3	.H	.H	.	
.BEAVERDELL NORTH	.A	.4928N	11902W 777.	S(C) 75-	.D:CDN3	.M	.H	.	
.PENTICTON A	.A	.4928N	11936W 344.	S(C) 71-	.D:CDN3	.H	.H	.24	
.ESTEVAN POINT	.A	.4923N	12632W 5.	S(C) 60-	.D:CDN3	.H	.H	.14	
.HOPE A	.A	.4922N	12129W 39.	S(C) 73-	.D:CDN3	.H	.H	.18	
.CASTLEGAR A	.A	.4918N	11738W 493.	S(C) 65-	.D:CDN3	.H	.H	.24	
.VANCOUVER BCHPA	.A	.4917N	12307W 115.	S(C) 59-	.D:CDN3	.H	.H	.	
.HANGY UBC RF ADMIN	.A	.4916N	12234W 143.	S(C) 71-	.D:CDN3	.H	.H	.	
.AGASSIZ CDA	.A	.4915N	12146W 15.	S(C) 1891-	.D:CDN3	.H	.H	.	
.PORT ALBERNI A	.A	.4915N	12450W 3.	S(C) 75-	.D:CDN3	.H	.H	.	
.OLIVER STP	.A	.4911N	11933W 297.	S(C) 72-	.D:CDN3	.H	.H	.	
.VANCOUVER INT'L A	.A	.4911N	12310W 3.	S(C) 61-	.D:CDN3	.H	.H	.24	
.TRAIL TADANAC	.A	.4906N	11745W 579.	S(C) 59-	.D:CDN3	.H	.H	.	
.TOFINO A	.A	.4905N	12546W 20.	S(C) 71-	.D:CDN3	.H	.H	.24	
.NANAIMO A	.A	.4903N	12352W 30.	S(C) 53-	.D:CDN3	.H	.H	.16	
.ABBOTSFORD A	.A	.4901N	12222W 60.	S(C) 70-	.D:CDN3	.H	.H	.24	
.COWICHAN LAKE FORESTRY	.A	.4850N	12408W 177.	S(C) 49-	.D:CDN3	.H	.H	.	
.COWICHAN BAY	.A	.4844N	12335W 104.	S(C) 38-	.D:CDN3	.H	.H	.	
.VICTORIA INT'L A	.A	.4839N	12326W 20.	S(C) 68-	.D:CDN3	.H	.H	.24	
.SAANICHTON CDA	.A	.4837N	12325N 61.	S(C) 62-	.D:CDN3	.H	.H	.	
.VICTORIA GONZALES HTS	.A	.4825N	12319N 67.	S(C) 1898-	.D:CDN3	.H	.H	.12	

CANADA - MANITOBA

2	3	4		5	6	7	8	9	10
.CHURCHILL A	.A	.5845N	9405W 35.	G(E1) 49-61	.D:CDN1	.D	.	.24	
		.5845N	9404W 29.	G(E1) 64-73	.H:CDN1,D:SU1	.H	.H	.	
			.	G(K) 73-	.H:CDN1,D:SU1	.H	.H	.	
			.	Q*(SF)64-69	.H:CDN1-SU1	.H	.H	.	
			.	Q*(FU)69-	.H:CDN1-SU1	.H	.H	.	
			.	S(C) 46-	.D:CDN3	.H	.H	.	
.THE PAS A	.A	.5358N	10106W 271.	G(K) 72-	.H:CDN1,D:SU1	.H	.H	.24	
			.	Q*(SK)60-63	.D:CDN1	.D	.	.	
			.	S(C) 49-	.D:CDN3	.H	.H	.	
.WINNIPEG INT'L A	.A	.4954N	9714W 239.	G(E1) 49-71	.H:CDN1,D:SU1	.H	.H	.24	
			.	G(K) 71-	.H:CDN1,D:SU1	.H	.H	.	
			.	D(K) 76-	.H:CDN1	.H	.H	.	
			.	S(C) 61	.D:CDN3	.H	.H	.	
.LYNN LAKE A	.A	.5652N	10104W 357.	S(C) 68-	.D:CDN3	.H	.H	.24	
.THOMPSON A	.A	.5548N	9752W 222.	S(C) 67-	.D:CDN3	.H	.H	.24	
.PASQUIA PROJECT PFRA	.A	.5343N	10135W 262.	S(C) 74-	.D:CDN3	.H	.H	.	
.GRAND RAPIDS	.A	.5311N	9916W 221.	S(C) 70-	.D:CDN3	.H	.H	.9	
.DAUPHIN A	.A	.5106N	10003W 305.	S(C) 50-	.D:CDN3	.H	.H	.24	
.BISSET	.A	.5102N	9540W 256.	S(C) 68-	.D:CDN3	.H	.H	.8	
.GIMLI	.A	.5037N	9659W 230.	S(C) 71-	.D:CDN3	.H	.H	.24	
.DELTA UNIV. FS	.A	.5011N	9823W 248.	S(C) 69-	.D:CDN3	.H	.H	.	
.BRANDON CDA	.A	.4952N	9958W 366.	S(C) 91-	.D:CDN3	.H	.H	.	
.GLENLEA RESEARCH STN	.A	.4939N	9707W 234.	S(C) 67-	.D:CDN3	.H	.H	.	
.INDIAN BAY	.A	.4937N	9512W 327.	S(C) 67-	.D:CDN3	.H	.H	.	
.MORDEN CDA	.A	.4911N	9805W 302.	S(C) 18-	.D:CDN3	.H	.H	.	

CANADA - NEW BRUNSWICK

2	3	4		5	6	7	8	9	10
.MONCTON A	.A	.4607N	6441W 76.	G(R) 53-61	.D:CDN1	.D	.	.24	
			.	S(C) 55-	.D:CDN3	.H	.H	.	
.FREDERICTON CDA	.A	.4555N	6337W 40.	G(E1) 61-71	.H:CDN1,D:SU1	.H	.H	.	
			.	G(K) 71-	.H:CDN1,D:SU1	.H	.H	.	
			.	R(K) 75-	.H:CDN1	.H	.H	.	
			.	Q*(FU)75-	.H:CDN1-SU1	.H	.H	.	
			.	S(C) 15-	.D:CDN3	.H	.H	.	
.CHARLO A	.A	.4600N	6620W 37.	S(C) 66-	.D:CDN3	.H	.H	.24	
.CHATHAM A	.A	.4701N	6527W 33.	S(C) 50-	.D:CDN3	.H	.H	.24	
.ROYAL ROAD IND	.A	.4603N	6643W 116.	S(C) 65-	.D:CDN3	.H	.H	.	
.SAINT JOHN A	.A	.4519N	6553W 93.	S(C) 52-	.D:CDN3	.H	.H	.24	
		.4517N	6604W .	S(C) 16-52					

CANADA - NEWFOUNDLAND

2	3	4		5	6	7	8	9	10
.GOOSE BAY	.A	.5319N	6025W 44.	G(R) 54-62	.D:CDN1	.D	.	.24	
			.	G(E1) 62-70	.H:CDN1,D:SU1	.H	.H	.	
			.	G(K) 70-	.H:CDN1,D:SU1	.H	.H	.	
			.	D(E1) 62-76	.H:CDN1	.H	.H	.	
			.	D(K) 76-	.H:CDN1	.H	.H	.	
			.	R(E1) 62-73	.H:CDN1	.H	.H	.	
			.	R(K) 73-	.H:CDN1	.H	.H	.	
			.	Q*(SF)62-67	.H:CDN1-SU1	.H	.H	.	
			.	Q*(FU)67-	.H:CDN1-SU1	.H	.H	.	
			.	S(C) 44-	.D:CDN3	.H	.H	.	
.SAINT JOHN'S WEST CDA	.A	.4731N	5247W 114.	G(R) 54-64	.D:CDN1-SU1	.D	.	.	
			.	G(E) 64-71	.H:CDN1,D:SU1	.H	.H	.	
			.	G(K) 71-	.H:CDN1,D:SU1	.H	.H	.	
			.	S(C) 50-	.D:CDN3	.H	.H	.	
.RIGOLET	.A	.5411N	5826W 30.	S(C) 73-	.D:CDN3	.H	.H	.	
.CARTWRIGHT	.A	.5342N	5702W 14.	S(C) 73-	.D:CDN3	.H	.H	.24	
.CHURCHILL FALLS	.A	.5333N	6406W 440.	S(C) 68-	.D:CDN3	.H	.H	.24	
.WABUSH LAKE A	.A	.5256N	6652W 548.	S(C) 72-	.D:CDN3	.H	.H	.24	
.DANIELS HARBOUR	.A	.5014N	5735W 24.	S(C) 69-	.D:CDN3	.H	.H	.24	
.GANDER INT'LA	.A	.4857N	5434W 151.	S(C) 39-	.D:CDN3	.H	.H	.24	
.STEPHENVILLE A	.A	.4832N	5833W 13.	S(C) 68-	.D:CDN3	.H	.H	.24	
.ST JOHN'S A	.A	.4737N	5245W 147.	S(C) 58-	.D:CDN3	.H	.H	.24	
.BURGEO	.A	.4737N	5737W 11.	S(C) 66-	.D:CDN3	.H	.H	.24	
.AVONDALE CDA	.A	.4725N	5314W 133.	S(C) 55-	.D:CDN3	.H	.H	.	
.PLACENTIA	.A	.4714N	5401W 14.	S(C) 70-	.D:CDN3	.H	.H	.	
.COLINET PEAT BOG CDA	.A	.4713N	5330W 104.	S(C) 57-	.D:CDN3	.H	.H	.	
.ST. SHOTT[illegible]	.A	.4638N	5335W 46.	S(C) 71-	.D:CDN3	.H	.H	.	

CANADA — NORTHWEST TERRITORIES

2	3	4		5	6	7	8	9	10
.ALERT	.A	.8230N	6220W	63. G(E1) 60-64	.	.D	.	.8	.USWB
				. G(E1) 64-73	.H:CDN1,D:SU1	.H	.H	.	.
				. G(E2) 73-	.H:CDN1,D:SU1	.H	.H	.	.
				. R(E1) 60-64	.	.D	.	.	.USWB
				. Q*(FU)68-	.H:CDN1-SU1	.H	.H	.	.
				. S(C) 68-	.D:CDN3	.H	.H	.	.
.EUREKA	.A	.8000N	8556W	10. G(E1) 55-60	.	.	.	.8	.USWB
				. G(E1) 60-70	.H:CDN1,D:SU1	.H	.H	.	.
				. G(E2) 70-	.H:CDN1,D:SU1	.H	.H	.	.
				. R(E1) 64-70	.	.	.	.	.USWB
				. Q*(SH)64-70	.	.	.	.	.USWB
				. Q*(FU)70-	.H:CDN1-SU1	.H	.H	.	.
				. S(C) 68-	.HCDN3	.H	.H	.	.
.ISACHSEN	.A	.7847N	10332W	25. G(E1) 64-70	.	.D	.	.8	.USWB
				. G(E2) 70-	.H:CDN1,D:SU1	.H	.H	.	.
				. R(E1) 64-70	.	.D	.	.	.USWB
				. Q*(FU)70-	.H:CDN1-SU1	.H	.H	.	.
				. S(C) 68-	.D:CDN3	.H	.H	.	.
.MOULD BAY	.A	.7614N	11920W	15. G(E1) 65-71	.H:CDN1,D:SU1	.H	.H	.12	.
				. G(K) 71-73	.H:CDN1,D:SU1	.H	.H	.	.
				. G(E2) 73-	.H:CDN1,D:SU1	.H	.H	.	.
				. Q*(FU)68-	.H:CDN1-SU1	.H	.H	.	.
				. S(C) 67-	.D:CDN3	.H	.H	.	.
.RESOLUTE A	.A	.7441N	9454W	. G(E) 49-54	.	.D	.	.	.USWB
		.7443N	9459W	67. G(E1) 57-71	.H:CDN1,D:SU1	.H	.H	.24	.
				. G(K) 71-73	.H:CDN1,D:SU1	.H	.H	.	.
				. G(E2) 73-	.H:CDN1,D:SU1	.H	.H	.	.
				. D(E1) 57-72	.H:CDN1	.H	.H	.	.
				. D(K) 72-	.H:CDN1	.H	.H	.	.
				. R(E1) 57-74	.H:CDN1	.H	.H	.	.
				. Q*(GD)58-60	.	.H	.	.	.
				. Q*(SF)63-69	.H:CDN1-SU1	.H	.H	.	.
				. Q*(FU)69-	.H:CDN1-SU1	.H	.H	.	.
				. R(K) 74-	.H:CDN1	.H	.H	.	.
				. S(C) 48-	.D:CDN3	.H	.H	.	.
.SACHS HARBOUR	.A	.7159N	12517W	86. G(E2) 70-	.H:CDN1,D:SU1	.H	.H	.24	.
				. S(C) 56-	.D:CDN3	.H	.H	.	.
.CAMBRIDGE BAY	.A	.6906N	10507W	27. G(K) 71-	.H:CDN1,D:SU1	.H	.H	.24	.
				. S(C) 68-	.D:CDN3	.H	.H	.	.
.HALL BEACH	.A	.6847N	8115W	8. G(K) 70-	.H:CDN1,D:SU1	.H	.H	.24	.
.INUVIK	.A	.6818N	13329W	103. G(E1) 60-72	.H:CDN1,D:SU1	.H	.H	.24	.
				. G(E2) 73-	.H:CDN1,D:SU1	.H	.H	.	.
				. S(C) 61-	.D:CDN3	.H	.H	.	.
.AKLAVIK	.A	.6814N	13500W	9. G(E1) 48-51,52-59	.D:CDN1	.D	.	.	.USWB
				. G(E1) 60-60	.H:CDN1	.H	.	.	.USWB
.BROUGHTON ISLAND	.A	.6734N	6403W	10. 1(E) 73*73	.*CDN1	.*	.	.	.
				. G(K) 71*73	.H:CDN1	.H	.	.	.
				. G(E2) 73*73	.H:CDN1	.H	.	.	.
				. Q*(FR)71*73	.H:CDN1	.H	.	.	.
				. L+(FU)73*73	.H:CDN1	.H	.	.	.
.NORMAN WELLS A	.A	.6517N	12648W	73. G(E1) 67-71	.H:CDN1,D:SU1	.H	.H	.24	.
				. G(K) 71-72	.H:CDN1,D:SU1	.H	.H	.	.
				. G(E2) 72-	.H:CDN1,D:SU1	.H	.H	.	.
				. Q*(FU)72-	.H:CDN1-SU1	.H	.H	.	.
				. S(C) 59	.D:CDN3	.H	.H	.	.
.BAKER LAKE	.A	.6418N	9600W	12. G(E2) 70-	.H:CDN1,D:SU1	.H	.H	.24	.
				. Q*(FU)69-	.H:CDN1-SU1	.H	.H	.	.
				. S(C) 70-	.D:CDN3	.H	.H	.	.
.CORAL HARBOUR A	.A	.6412N	2322W	64. G(E2) 70-	.H:CDN1,D:SU1	.H	.H	.24	.
				. S(C) 49-	.D:CDN3	.H	.H	.	.
.FROBISHER BAY A	.A	.6345N	6833W	34. G(E2) 72-	.H:CDN1,D:SU1	.H	.H	.24	.
				. Q*(FU)72-	.H:CDN1-SU1	.H	.H	.	.
				. S(C) 56-	.D:CDN3	.H	.H	.	.
.YELLOWKNIFE A	.A	.6228N	11427W	208. Q*(SK)60-63	.D:CDN1	.D	.	.24	.
				. S(C) 69-	.D:CDN3	.H	.H	.	.
.FORT SIMPSON	.A	.6152N	12121W	129. G(R) 54-64	.D:CDN1-SU1	.D	.	.24	.
		.6145N	12114W	176. S(C) 55-	.D:CDN3	.H	.H	.	.
.ENNADAI LAKE	.A	.6108N	10055W	325. Q*(SK)60*61	.D:CDN2	.D	.	.18	.
.FORT SMITH A	.A	.6001N	11158W	203. G(K) 71-	.H:CDN1,D:SU1	.H	.H	.24	.
				. S(C) 53-	.D:CDN3	.H	.H	.	.
.BATHURST ISLAND	.A	.7543N	9825W	3. S(C) 73-	.D:CDN3	.H	.H	.	.
.POND INLET A	.A	.7240N	7800W	59. S(C) 75-	.D:CDN3	.H	.H	.24	.
.CLYDE	.A	.7027N	6833W	3. S(C) 71-	.D:CDN3	.H	.H	.8	.
.COPPERMINE	.A	.6750N	11507W	7. S(C) 49-	.D:CDN3	.H	.H	.24	.
.CAPE DORSET	.A	.6414N	7633W	9. S(C) 70-	.D:CDN3	.H	.H	.	.

CANADA — NOVA SCOTIA

2	3	4		5	6	7	8	9	10
.KENTVILLE CDA	.A	.4504N	6429W	49. G(E1) 60-75	.H:CDN1,D:SU1	.H	.H	.	.
				. G(K) 75-	.H:CDN1,D:SU1	.H	.H	.	.
				. Q*(FU)72-	.H:CDN1-SU1	.H	.H	.	.
				. S(C) 13-	.D:CDN3	.H	.H	.	.
.HALIFAX CITADEL	.A	.4439N	6335W	70. G(E1) 64-70	.H:CDN1,D:SU1	.H	.H	.	.
				. G(K) 70-	.H:CDN1,D:SU1	.H	.H	.	.
		.4439N	6334W	25. S(C) 41-65	.D:CDN3	.H	.H	.	.
.DARTMOUTH-HARTLEN POINT	.A	.4436N	6328W	31. G(E1) 57-63	.H:CDN1	.H	.H	.	.
.SABLE ISLAND	.A	.4356N	6001W	4. G(E1) 69-71	.H:CDN1,D:SU1	.H	.H	.24	.
				. G(K) 71-	.H:CDN1,D:SU1	.H	.H	.	.
				. Q*(FU)69-	.H:CDN1-SU1	.H	.H	.	.
				. S(C) 61-	.D:CDN3	.H	.H	.	.
.SYDNEY A	.A	.4610N	6003W	62. S(C) 48-	.D:CDN3	.H	.H	.24	.
.NAPPAN CDA	.A	.4546N	6415W	9. S(C) 12-	.D:CDN3	.H	.H	.	.
.TATAMAGOUCHE	.A	.4545N	6322W	8. S(C) 72-	.D:CDN3	.H	.H	.	.
.RIVER HEBERT	.A	.4536N	6421W	15. S(C) 70-	.D:CDN3	.H	.H	.	.
.EDDY POINT	.A	.4531N	6115W	62. S(C) 72-	.D:CDN3	.H	.H	.24	.
.TRURO	.A	.4522N	6316W	40. S(C) 62-	.D:CDN3	.H	.H	.8	.
.FRASER BROOK IHD	.A	.4520N	6310W	122. S(C) 67-	.D:CDN3	.H	.H	.	.
.SHARP BROOK IHD	.A	.4501N	6438W	. S(C) 69-	.D:CDN3	.H	.H	.	.
.ANNAPOLIS ROYAL	.A	.4445N	6533W	23. S(C) 64-	.D:CDN3	.H	.H	.	.
.SHEARWATER A	.A	.4438N	6330W	51. S(C) 61-	.D:CDN3	.H	.H	.24	.
.SANDY COVE NRC	.A	.4428N	6334W	10. S(C) 75-	.D:CDN3	.H	.H	.	.
.METEGHAN	.A	.4411N	6611W	12. S(C) 73-	.D:CDN3	.H	.H	.	.
.YARMOUTH A	.A	.4350N	6605W	48. S(C) 58-	.D:CDN3	.H	.H	.24	.
.SHELBURNE	.A	.4343N	6515W	28. S(C) 72-	.D:CDN3	.H	.H	.	.
.BACCARO	.A	.4328N	6528W	3. S(C) 59-	.D:CDN3	.H	.H	.	.

2	3	4		5	6	7	8	9	10
TROUT LAKE	A	5350N	8952W 219.	G(K) 72-	H:CDN1,D:SU1	H	H	.24	
MOOSONEE	A	5116N	8039W 10.	G(E1) 57-61	H:CDN1	H	H	.21	
				G(E1) 67-71	H:CDN1,D:SU1	H	H		
				G(K) 71-	H:CDN1,D:SU1	H	H		
				D(E1) 57-61	H:CDN1	H	H		
				R(E1) 57-61	H:CDN1	H	H		
				Q*(GD)57-58		H			
				Q*(FU)68-	H:CDN1-SU1	H	H		
				S(C) 32-	D:CDN3	H	H		
RAWSON LAKE	A	4939N	9344W 358.	G(E2) 70-	H:CDN2	H			
				D(K) 69-	H:CDN2	H			
				R(E2) 69-	H:CDN2	H			
				Q+(FU)69-	H:CDN2	H			
				S(C) 71-	D:CDN3	H	H		
TEGGAU LAKE	A	4939N	9343W 358.	G(E2) 69*71	CDN2	H			
KAPUSKASING A	A	4925N	8228W 229.	G(R) 54-62	D:CDN1	D		.24	
				Q*(SK)60-63		D			
RED ROCK	A	4857N	8815W 360.	G(K) 74*74	H:CDN2	H			
THUNDER BAY UNIVERSITY	A	4820N	8916W 196.	G(E2) 73-	H:CDN2	H			
CARIBOU ISLAND	A	4721N	8550W 187.	G(E2) 73-74	H:CDN2	H			
				S(C) 45-	D:CDN3	H	H		
SOUTH BAY MOUTH	A	4534N	8201W 182.	G(E2) 74-	H:CDN2	H			
				S(C) 58-	D:CDN3	H	H		
OTTAWA NRC	A	4527N	7537W 98.	G(E1) 54-76	H:CDN1,D:SU1	H	H		
				G(K) 76-	H:CDN1,D:SU1	H	H		
				Q*(SF)62-68	H:CDN1-SU1	H	H		
				Q*(FU)68-	H:CDN1-SU1	H	H		
OTTAWA	A	4520N	7541W 126.	G(E1) 49-54		H			
HARTINGTON IHD	A	4426N	7642W 160.	Q*(FU)68-		D			
PETERBOROUGH A	A	4414N	7821W 191.	G(K) 72-73		H			
				Q+(FU)72-73		H			
KINGSTON A	A	4413N	7636W 93.	G(K) 72-73		H		.24	
				Q+(FU)72-73		H			
				S(C) 68-	D:CDN3	H	H		
BAY OF QUINTE	A	4411N	7704W 80.	G(K) 74-74	H:CDN2	H			
TRENTON A	A	4407N	7732W 86.	G(K) 72-73		H			
				Q+(FU)72-73		H			
MAIN DUCK ISLAND	A	4356N	7638W 79.	G(K) 74-74	H:CDN2	H			
BOWMANVILLE IHD	A	4355N	7840W 99.	Q*(FU)69-		D			
TORONTO MET.RES.STN.	A	4348N	7933W 194.	G(E1) 67-70	H:CDN1,D:SU1	H	H		
				G(E2) 70-71	H:CDN1,D:SU1	H	H		
				G(K) 71-	H:CDN1,D:SU1	H	H		
				D(E1) 67-72	H:CDN1	H	H		
				D(K) 72-	H:CDN1	H	H		
				R(E1) 67-73	H:CDN1	H	H		
				Q*(FU)67-	H:CDN1-SU1	H	H		
				E(LN) 67-	H:CDN1	H	H		
				R(K) 73	H:CDN1	H	H		
				S(C) 66-	D:CDN3	H	H		
TORONTO MET.RES.STN.	A	4348N	7933W 194.	I(EN) 76-		M	M		
				G(E2) 76-		M	M		
				D(E2) 76-		M	M		
				G/(E2)76-		M	M		.30S
				G/(E2)76-		M	M		.60S
				G/(E2)76-		M	M		.90S
				R(E2) 76-		M	M		
TORONTO-SCARBOROUGH	A	4343N	7914W 157.	I(EO) 60*64	H:CDN1	H			
				G(E1) 59-68	H:CDN1,D:SU1	H	H		
				G(E2) 69-70	H:CDN1,D:SU1	H	H		
				G(E1) 70-71	H:CDN1,D:SU1	H	H		
				G(K) 71-73	H:CDN1,D:SU1	H	H		
				D(E1) 59-67	H:CDN1	H	H		
				Q*(SF)60-67	H:CDN1-SU1	H	H		
				Q+(FU)72-73		H			
				E(LN) 59-67	H:CDN1	H	H		
TORONTO	A	4340N	7924W 116.	G(E1) 37-75	H:CDN1,D:SU1	H	H		
				G(K) 75-	H:CDN1,D:SU1	H	H		
				S(C) 81-	D:CDN3	H	H		
ELORA RES.STN.	A	4339N	8025W 373.	G(E2) 70-	H:CDN1,D:SU1	H	H		
				Q*(FU)70-	H:CDN1-SU1	H	H		
				S(C) 69-	D:CDN3	H	H		
LAKE ONTARIO	A	4325N	7917W 78.	G(K) 72-73	H:CDN2	H			
		4338N	7826W 78.	G(K) 72-73	H:CDN2	H			
		4339N	7742W 78.	G(K) 72-72	H:CDN2	H			
		4312N	7925W 80.	G(E2) 69-69	H:CDN2	H			
		4327N	7931W 80.	G(FU) 72-72	H:CDN2	H			
BLUE SPRINGS CREEK IHD				Q*(FU)69-		D			
HORNBY IHD	A	4334N	7951W 198.	Q*(FU)64-74		D			
GUELPH OAC	A	4333N	8016W 320.	G(E1) 53-64	H:CDN1,D:SU1	H	H		
		4331N	8014W 334.	G(E1) 62-70	H:CDN1,D:SU1	H	H		
				Q*(SF)62-65	H:CDN1-SU1	H	H		
				Q*(FU)65-70	H:CDN1-SU1	H	H		
				S(C) 14-73	D:CDN3	H	H		
BURLINGTON	A	4318N	7948W 90.	G(E2) 69-	H:CDN2	H			
				Q+(FU)72-	H:CDN2	H			
				L+(E) 73-	H:CDN2	H			
NANTICOKE	A	4248N	8004W	G(K) 74-74	H:CDN2	H			
LANGTON IHD	A	4244N	8035W 229.	Q*(FU)68-		D			
WINDSOR UNIVERSITY	A	4218N	8304W 180.	G(E8) 71-		H			
HARROW CDA	A	4202N	8253W 191.	G(R) 53-54		D			
				S(C) 18-	D:CDN3	H	H		
ARMSTRONG A	A	5017N	8854W 322.	S(C) 38*59,59-	D:CDN3	H	H	.12	
KAPUSKASING CDA	A	4924W	8226W 218.	S(C) 18-	D:CDN3	H	H		
ATIKOKAN	A	4845N	9137W 391.	S(C) 66-	D:CDN3	H	H	.24	
WHITE RIVER	A	4836N	8517W	S(C) 63-	D:CDN3	H	H		
THUNDER BAY A	A	4822N	8919W 196.	S(C) 58-	D:CDN3	H	H	.24	
NEW LISKEARD	A	4730N	7940W 194.	S(C) 23-	D:CDN3	H	H		
SUDBURY A	A	4637N	8048W 341.	S(C) 72-	D:CDN3	H	H	.24	
SAULT STE MARIE A	A	4629N	8430W 189.	S(C) 61-	D:CDN3	H	H	.24	
TURBINE	A	4623N	8134W 206.	S(C) 21-	D:CDN3	H	H		
NORTH BAY A	A	4622N	7925W 370.						
				S(C) 63-	D:CDN3	H	H	.24	
PETAWAWA FOREST EXP.STN	A	4600N	7726W 168.	S(C) 72-	D:CDN3	H	H		
OTTAWA CDA	A	4523N	7543W 79.	S(C) 98-	D:CDN3	H	H		
COMBER MERE	A	4522N	7737W 287.	S(C) 57-	D:CDN3	H	H		
CORNWALL ONTARIO HYDRO	A	4502N	7448W 76.	S(C) 57-	D:CDN3	H	H		
KEMPTVILLE	A	4500N	7538W 98.	S(C) 68-	D:CDN3	H	H		
WIARTON A	A	4445N	8106W 222.	S(C) 72-	D:CDN3	H	H	.24	
LINDSAY FROST	A	4420N	7844W 262.	S(C) 75-	D:CDN3	H	H		
MORVEN IHD	A	4415N	7651W 107.	S(C) 71-	D:CDN3	H	H		
SMITHFIELD CDA	A	4405N	7740W 122.	S(C) 58-	D:CDN3	H	H		
BURKETON MCLAUGHLIN IHD	A	4402N	7848W 312.	S(C) 69-	D:CDN3	H	H		
MOUNT FOREST	A	4359N	8045W 412.	S(C) 62-	D:CDN3	H	H	.24	
OAK RIDGES	A	4358N	7928W 322.						

CANADA - ONTARIO

2	3.	4		5	6	7.	8.	9.	10
.OAK RIDGES	. .		.	S(C) 42-	.D:CDN3	.H	.H	.	.
.TURBINE	.A	.4623N 8134W 206.		S(C) 21-	.D:CDN3	.H	.H	.	.
.NORTH BAY A	.A	.4622N 7925W 370.		S(C) 63-	.D:CDN3	.H	.H	.24	.
.PETAWAWA FOREST EXP STN	.A	.4600N 7726W 168.		S(C) 72-	.D:CDN3	.H	.H	.	.
.OTTAWA CDA	.A	.4523N 7543W 79.		S(C)1898-	.D:CDN3	.H	.H	.	.
.COMBER MERE	.A	.4522N 7737W 287.		S(C) 57-	.D:CDN3	.H	.H	.	.
.CORNWALL ONTARIO HYDRO	.A	.4502N 7448W 76.		S(C) 57-	.D:CDN3	.H	.H	.	.
.KEMPTVILLE	.A	.4500N 7538W 98.		S(C) 68-	.D:CDN3	.H	.H	.	.
.WIARTON A	.A	.4445N 8106W 222.		S(C) 72-	.D:CDN3	.H	.H	.24	.
.LINDSAY FROST	.A	.4420N 7844W 262.		S(C) 75-	.D:CDN3	.H	.H	.	.
.MORVEN IHD	.A	.4415N 7651W 107.		S(C) 71-	.D:CDN3	.H	.H	.	.
.SMITHFIELD CDA	.A	.4405N 7740W 122.		S(C) 58-	.D:CDN3	.H	.H	.	.
.BURKETON MCLAUGHLIN IHD	.A	.4402N 7848W 312.		S(C) 69-	.D:CDN3	.H	.H	.	.
.MOUNT FOREST	.A	.4359N 8045W 412.		S(C) 62-	.D:CDN3	.H	.H	.24	.
.OAK RIDGES	.A	.4358N 7928 322 .		S(C) 42-	.D:CDN3	.H	.H	.	.
.ALBION FIELD CENTRE	.A	.4355N 7950W 290.		S(C) 69-	.D:CDN3	.H	.H	.	.
.HAMILTON RBG	.A	.4317N 7953W 102.		S(C) 62-	.D:CDN3	.H	.H	.	.
.VINELAND STATION	.A	.4311N 7924W 79.		S(C) 15-	.D:CDN3	.H	.H	.	.
.LONDON A	.A	.4302N 8109W 278.		S(C) 43-	.D:CDN3	.H	.H	.24	.
.SARNIA A	.A	.4300N 8218W 181.		S(C) 70-	.D:CDN3	.H	.H	.	.
.DELHI CDA	.A	.4552W 8033W 232.		S(C) 34-	.D:CDN3	.H	.H	.	.
.PELEE ISLAND U OF W.	.A	.4146N 8240W 174.		S(C) 74	.D:CDN3	.H	.H	.	.

CANADA - PRINCE EDWARDS ISLAND

2	3.	4		5	6	7.	8.	9.	10
.CHARLOTTETOWN CDA	.A	.4615N 6308W 23.		G(E1) 71-75	.H:CDN1,D:SU1	.H	.H	.	.
.	. .		.	G(K) 75-	.H:CDN1,D:SU1	.H	.H	.	.
.	. .		.	D(K) 77-	.H:CDN1	.H	.H	.	.
.	. .		.	S(C) 10-	.D:CDN3	.H	.H	.	.
.TIGNISH	.A	.4657N 6404W 23.		S(C) 70-	.D:CDN 3	.H	.H	.	.
.O'LEARY	.A	.4642N 6416W 38.		S(C) 70-	.D:CDN3	.H	.H	.	.
.EAST BALTIC	.A	.4626N 6210W 61.		S(C) 70-	.D:CDN3	.H	.H	.	.
.SUMMERSIDE	.A	.4626N 6350W 24.		S(C) 67-	.D:CDN3	.H	.H	.24	.
.HUNTER RIVER	.A	.4621N 6220W 61.		S(C) 70-	.D:CDN3	.H	.H	.	.
.BANGOR	.A	.4621N 6241W 53.		S(C) 72-	.D:CDN3	.H	.H	.	.

CANADA - QUEBEC

2	3.	4		5	6	7.	8.	9.	10
.INOUCDJOUAC	.A	.5827N 7807W 5.		G(K) 72-	.H:CDN1,D:SU1	.H	.H	.24	.
.	. .		.	Q*(FU)72-	.H:CDN1-SU1	.H	.H	.	.
.	. .		.	S(C) 66-	.D:CDN3	.H	.H	.	.
.FORT CHIMO A	.A	.5806N 6825W 36.		G(K) 72-	.H:CDN1,D:SU1	.H	.H	.24	.
.	. .		.	S(C) 69-	.D:CDN3	.H	.H	.	.
.KNOB LAKE	.A	.5448N 6649W 512.		G(R) 57-62	.D:CDN1	.D	.	.	.
.	. .		.	G(E1) 62-65	.H:CDN1,D:SU1	.H	.H	.	.
.	. .		.	G(R) 66-69	.D:CDN1-SU1	.D	.	.	.
.	. .		.	Q*(SF)62-65	.H:CDN1-SU1	.H	.H	.	.
.NITCHEQUON	.A	.5312N 7054W 537.		G(K) 73-	.H:CDN1,D:SU1	.H	.H	.24	.
.	. .		.	S(C) 67-	.D:CDN3	.H	.H	.	.
.	. .		.	G(E1) 67-73	.H:CDN1,D:SU1	.H	.H	.	.
.	. .		.	S(C) 63-	.D:CDN3	.H	.H	.	.
.SEPT-ILES A	.A	.5013N 6616W 58.		G(K) 73-	.H:CDN1,D:SU1	.H	.H	.24	.
.	. .		.	S(C) 63-	.D:CDN3	.	.H	.H	.
.NORMANDIN CDA	.A	.4851N 7232W 137.		G(E.) 57-74	.H:CDN1,D:SU1	.H	.H	.	.
.	. .		.	G(K) 74-	.H:CDN1,D:SU1	.H	.H	.	.
.	. .		.	S(C) 36-	.D:CDN3	.H	.	.H	.
.ST. AUGUSTIN	.A	.4644N 7130W 58.		Q*(FU)68-76	.H:CDN1-SU1	.H	.H	.	.
.	. .		.	S(C) 64-	.D:CDN3	.H	.H	.	.
.MONTREAL JEAN BREBEUF	.A	.4530N 7337W 133.		G(R) 56-64	.D:CDN1-SU1	.D	.	.	.
.	. .		.	G(E1) 64-71	.H:CDN1,D:SU1	.H	.H	.	.
.	. .		.	G(K) 71-71	.H:CDN1,DSU1	.H	.H	.	.
.	. .		.	G(E1) 71-72	.H:CDN1,D:SU1	.H	.H	.	.
.	. .		.	G(K) 72-	.H:CDN1,D:SU1	.H	.H	.	.
.	. .		.	D(E1) 64-71	.H:CDN1	.H	.H	.	.
.	. .		.	D(K) 71-	.H:CDN1	.H	.H	.	.
.	. .		.	S(C) 58-	.D:CDN3	.H	.H	.	.
.KOARTAK	.A	.6104N 6941W 27.		S(C) 71-	.D:CDN3	.H	.H	.8	.
.BORDER	.A	.5520N 6313W 486.		S(C) 67-	.D:CDN3	.H	.H	.16	.
.POST-DE-LA-BALEINE	.A	.5517N 7746W 18.		S(C) 70	.D:CDN3	.H	.H	.24	.
.SCHEFFERVILLE A	.A	.5448N 6649W 522.		S(C) 67-	.D:CDN3	.H	.H	.24	.
.HELENE	.A	.5317N 7730W 152.		S(C) 75-	.D:CDN3	.H	.H	.	.
.EASTMAIN	.A	.5215N 7830W 6.		S(C) 62-70,72-	.D:CDN3	.H	.H	.	.
.GAGNON	.A	.5157N 6808W 572.		S(C) 66-	.D:CDN3	.H	.H	.	.
.BLANC SABLON	.A	.5125N 5712W 8.		S(C) 65-	.D:CDN3	.H	.H	.	.
.CAMP M-107	.A	.5104N 6729W 488.		S(C) 74-	.D:CDN3	.H	.H	.	.
.RIVIERE TEMISCAMIE	.A	.5057N 7302W 411.		S(C) 73	.D:CDN3	.H	.H	.	.
.MATAMEK	.A	.5017W 6558W 5.		S(C) 75-	.D:CDN3	.H	.H	.	.
.RIVIERE AU TONNERR	.A	.5017N 6446W 15.		S(C) 65-	.D:CDN3	.H	.H	.	.
.NATASHQUAN A	.A	.5011N 6149W 11.		S(C) 69-	.D:CDN3	.H	.H	.16	.
.CKI BOUGAMAU	.A	.4949N 7425W 402.		S(C) 71-	.D:CDN3	.H	.H	.24	.
.MATAGAMI A	.A	.4946N 7748W 279.		S(C) 74	.D:CDN3	.H	.H	.24	.
.BAIE COMEAU	. .		.	S(C) 66-	.D:CDN3	.H	.H	.	.
.CAP SEIZE	.A	.4901N 6624W 213.		S(C) 67-	.D:CDN3	.H	.H	.	.
.RIVERE AU RENARD	.A	.4901N 6424W 41.		S(C) 74-	.D:CDN3	.H	.H	.	.
.MOUNT LOGAN	.A	.4854N 6638W1128.		S(C) 67-70,71-	.D:CDN3	.H	.H	.	.
.ALBANEL	.A	.4853N 7227W 127.		S(C) 22-	.D:CDN3	.H	.H	.	.
.PERIBONCA CDA	.A	.4846N 7203W 107.		S(C) 51-	.D:CDN3	.H	.H	.	.
.FORESTVILLE	.A	.4844N 6905W 86.		S(C) 63-	.D:CDN3	.H	.H	.	.
.POULAIRES	.A	.4837N 7859W 297.		S(C) 69-	.D:CDN3	.H	.H	.	.
.MOUNT JOLI A	.A	.4836N 6812W 52.		S(C) 70-	.D:CDN3	.H	.H	.24	.
.AMOS	.A	.4834N 7808W 305.		S(C) 63-	.D:CDN3	.H	.H	.	.
.MANNEVILLE	.A	.4833N 7826W 311.		S(C) 62-	.D:CDN3	.H	.H	.	.
.RIMOUSKI	.A	.4827N 6831W 36.		S(C) 62-	.D:CDN3	.H	.H	.	.
.LAC STE CROIX	.A	.4825N 7145W 160.		S(C) 56-	.D:CDN3	.H	.H	.	.
.SENNETERRE	.A	.4821N 7717W 312.		S(C) 69-	.D:CDN3	.H	.H	.	.
.OUIMET	.A	.4818N 6813W 244.		S(C) 63-	.D:CDN3	.H	.H	.	.
.LAC HUMQUI	.A	.4817N 6737W 396.		S(C) 72-	.D:CDN3	.H	.H	.	.
.BRAND BERGERONNES	.A	.4815N 6932W 31.		S(C) 51-	.D:CDN3	.H	.H	.	.
.NEW RICHMOND	.A	.4809N 6551W 7.		S(C) 64-	.D:CDN3	.H	.H	.	.
.VALDORA	.A	.4803N 7747W 337.		S(C) 69-	.D:CDN3	.H	.H	.24	.
.ST ALEXIS MATAPEDIA	.A	.4759N 6704W 290.		S(C) 72	.D:CDN3	.H	.H	.	.
.PARENT	.A	.4755N 7437W 439.		S(C) 70-	.D:CDN3	.H	.H	.8	.

CANADA - QUEBEC

2	3.	4	5	6	7.	8.	9.	10
.NOTRE DAME DU LAC	.A .4737N	6848W 174.	S(C) 69-	.D:CDN3	.H	.H	.	.
.ST ELEUTHERE.	.A .4729N	6917W 289.	S(C) 73-	.D:CDN3	.H	.H	.	.
.GRINDSTONE ISLAND	.A .4723N	6152W 60.	S(C) 69-	.D:CDN3	.H	.H	.	.
.ST CASSIEN DES CAPS	.A .4722N	70370W 37.	S(C) 72-	.D:CDN3	.H	.H	.	.
.LA POCATIERE CDA	.A .4721N	7002W 30.	S(C) 64-	.D:CDN3	.H	.H	.	.
.FORET MONTMORENCY	.A .4719N	7109W 640.	S(C) 65-	.D:CDN3	.H	.H	.	.
.VILLE MARIE	.A .4719N	7926W 192.	S(C) 70	.D:CDN3	.H	.H	.	.
.PETITE RIV ST FRANCOIS	.A .4719N	7034W 12.	S(C) 72-	.D:CDN3	.H	.H	.	.
.ST FRANCOIS.IO	.A .4659N	7050W 49.	S(C) 69-	.D:CDN3	.H	.H	.	.
.DUCHESNAY	.A .4652N	7139W 166.	S(C) 40-	.D:CDN3	.H	.H	.	.
.LAC AUX SABLES	.A .4652N	7224W 160.	S(C) 69-	.D:CDN3	.H	.H	.	.
.QUEBEC A	.A .4648N	7123W 72.	S(C) 57-	.D:CDN3	.H	.H	.24	.
.ARMAGH STN	.A .4643N	7037W 351.	S(C) 69-	.D:CDN3	.H	.H	.	.
.BARRAGE TEMISCAMINSUE	.A .4643N	7906W 181.	S(C) 68-	.D:CDN3	.H	.H	.	.
.FERME NEUVE CDA FE	.A .4642N	7527W 216.	S(C) 64-70,71-	.D:CDN3	.H	.H	.	.
.SAINT MICHEL DES SAINTS	.A .4641N	7355W 351.	S(C) 69-	.D:CDN3	.H	.H	.	.
.LAC MINOGAMI	.A .4640N	7252W 259.		.	.	.	.	.
.VALLEE JONCTION	.A .4623N	7158W 152.	S(C) 65-	.D:CDN3	.H	.H	.	.
.MANIWAKI	.A .4623N	7558W 166.	S(C) 62-	.D:CDN3	.H	.H	.8	.
.ST GERMAINE	.A .4622N	7030W 411.	S(C) 63-	.D:CDN3	.H	.H	.	.
.STE AGATHE DES MONTS	.A .4603N	7417W 395.	S(C) 66-	.D:CDN3	.H	.H	.24	.
.VICTORIAVILLE	.A .4603N	7158W 137.	S(C) 52-70,74-	.D:CDN3	.H	.H	.	.
.BERTHIERVILLE	.A .4603N	7311W 12.	S(C) 52-	.D:CDN3	.H	.H	.	.
.ARTHABASKA	.A .4602N	7155W 152.	S(C) 69-	.D:CDN3	.H	.H	.	.
.DISRAELI	.A .4557N	7117W 299.	S(C) 69-	.D:CDN3	.H	.H	.	.
.HARRINGTON FOREST FRAM	.A .4551N	7438W 183.	S(C) 64-72,73-	.D:CDN3	.H	.H	.	.
.L'ASSOMTION CDA	.A .4549N	7326W 21.	S(C) 30-	.D:CDN3	.H	.H	.	.
.ST LUDGER	.A .4545N	7040W 328.	S(C) 65-	.D:CDN3	.H	.H	.	.
.ST HYACINTE	.A .4538N	7257W 31.	S(C) 64-	.D:CDN3	.H	.H	.	.
.SHAWILLE	.A .4536N	7630W 168.	S(C) 65-	.D:CDN3	.H	.H	.	.
.MONTREAL JAR BOT	.A .4534N	7333W 46.	S(C) 63-	.D:CDN3	.H	.H	.	.
.MONTREAL MCGILL	.A .4530N	7335W 57.	S(C)1881-	.D:CDN3	.H	.H	.	.
.MONTREAL INT'LA	.A .4528N	7345W 36.	S(C) 69-	.D:CDN3	.H	.H	.24	.
.ST ANNE DE BELLEVUE	.A .4526N	7356W 40.	S(C) 63-	.D:CDN3	.H	.H	.	.
.WEST DITTON	.A .4524N	7119W 508.	S(C) 65-	.D:CDN3	.H	.H	.	.
.SAWERVILLE NORD	.A .4522N	7132W 442.	S(C) 65-	.D:CDN3	.H	.H	.	.
.LENNOXVILLE	.A .4522N	7151W 152.	S(C) 15-	.D:CDN3	.H	.H	.	.
.MAPLE LEAF EAST	.A .4520N	7124W 445.	S(C) 65-	.D:CDN3	.H	.H	.	.
.IBERVILLE	.A .4519N	7315W 30.	S(C) 63-	.D:CDN3	.H	.H	.	.
.ST ISIDORE D'AUCKLAND	.A .4516N	7131W 394.	S(C) 65-	.D:CDN3	.H	.H	.	.
.ST CLOTILDE	.A .4510N	7341W 56.	S(C) 40-	.D:CDN3	.H	.H	.	.
.SUTTON JUNCTION	.A .4509N	7238W 213.	S(C) 69-	.D:CDN3	.H	.H	.	.

CANADA - SASKATCHEWAN

2	3.	4	5	6	7.	8.	9.	10
.SASKATOON SRC	.A .5208N	10638W 51.	G(EI) 56-67	.H:CDN1,D:SU1	.H	.H	.	.
.	. .	.	S(C) 65-	.D:CDN3	.H	.H	.	.
.BAD LAKE IHD	.A .5119N	10824W 63.	G(K) 71-	.H:CDN1,D:SU1	.H	.H	.	.
.	. .	.	R(K) 71-	.H:CDN1	.H	.H	.	.
.	. .	.	Q*(FU)71-	.H:CDN1-SU1	.H	.H	.	.
.	. .	.	S(C) 71	.D:CDN3	.H	.H	.	.
.SWIFT CURRENT CDA	.A .5016N	10744W 825.	G(E1) 60-73	.H:CDN1,D:SU1	.H	.H	.	.
.	. .	.	G(K) 73-	.H:CDN1,D:SU1	.H	.H	.	.
.	. .	.	S(C) 65-	.D:CDN3	.H	.H	.	.
.CREE LAKE	.A .5721N	10708W 499.	S(C) 69-	.D:CDN3	.H	.H	.15	.
.NIPAWIN	.A .5320N	10400W 374.	S(C) 73-	.D:CDN3	.H	.H	.13	.
.PRINCE ALBERT A	.A .5313N	10541W 428.	S(C) 42-	.D:CDN3	.H	.H	.24	.
.MELFORT CDA	.A .5249N	10436W 480.	S(C) 37-	.D:CDN3	.H	.H	.	.
.NORTH BATTLEFORD A	.A .5246N	10815W 547.	S(C) 75-	.D:CDN3	.H	.H	.	.
.SCOTT CDA	.A .5222N	10850W 660.	S(C) 11-	.D:CDN3	.H	.H	.	.
.WYNYARD	.A .5146N	10412W 560.	S(C) 66-	.D:CDN3	.H	.H	.24	.
.OUTLOCK PFRA	.A .5129N	10703W 541.	S(C) 62-	.D:CDN3	.H	.H	.	.
.YORKTON A	.A .5116N	10228W 498.	S(C) 65-	.D:CDN3	.H	.H	.24	.
.INDIAN HEAD CDA	.A .5032N	10340W 586.	S(C)1891-	.D:CDN3	.H	.H	.	.
.INDIAN HEAD FORESTRY	.A .5031N	10341W 585.	S(C) 60-	.D:CDN3	.H	.H	.	.
.REGINA A	.A .5026N	10440W 577.	S(C) 45-	.D:CDN3	.H	.H	.24	.
.BROADVIEW	.A .5023N	10235W 599.	S(C) 68-	.D:CDN3	.H	.H	.24	.
.MOOSE JAW A	.A .5020N	10533W 577.	S(C) 54-	.D:CDN3	.H	.H	.24	.
.SWIFT CURRENT A	.A .5017N	10741W 817.	S(C) 38-	.D:CDN3	.H	.H	.24	.
.ORMISTON	.A .4943N	10522W 697.	S(C) 69-	.D:CDN3	.H	.H	.	.
.WEYBURN	.A .4939N	10350W 570.	S(C) 72-	.D:CDN3	.H	.H	.	.
.ESTEVAN A	.A .4904N	10300W 571.	S(C) 62-	.D:CDN3	.H	.H	.24	.

CANADA - YUKON TERRITORY

2	3.	4	5	6	7.	8.	9.	10
.WHITEHORSE A	.A .6043N	13504W 703.	G(E2) 70-	.H:CDN1,D:SU1	.H	.H	.24	.
.	. .	.	Q*(FU)70-	.H:CDN1,SU1	.H	.H	.	.
.	. .	.	S(C) 57-	.D:CDN3	.H	.H	.	.
.FORT SELKIRK	.A .6249N	13722W 454.	S(C) 66-	.D:CDN3	.H	.H	.	.
.HAINES JUNCTION	.A .6046N	13735W 599.	S(C) 58-	.D:CDN3	.H	.H	.	.
.WATSON LAKE A	.A .6GD7N	12849W 689.	S(C) 69	.D:CDN3	.H	.H	.24	.
.	. .	.		.	.	.	.	.

COSTA RICA

2	3.	4	5	6	7.	8.	9.	10
.SANTA ROSA	. .	.	G(R) 72-	.	.D	.	.	.
.TABOGA	.A .1021N	8509W 20.	G(R) 71-	.	.D	.	.	.
.COBAL	.A .1015N	8340W 50.	G(R) 71-	.	.D	.	.	.
.DIAMANTES	.A .1013N	8346W 249.	G(R) 71-	.	.D	.	.	.
.NICOYA	.A .1009N	8527W 120.	G(R) 70-	.	.D	.	.5	.
.	. .	.	S( )	.	.	.	.	.
.PUERTO LIMON	.A .1000N	8303W 3.	G(R) 69-74	.	.D	.	.5	.
.	. .	.	S( )	.	.	.	.	.
.IRAZU	.A .0959N	8351W3320.	G(R) 70-	.	.D	.	.	.
.PUNTARENAS	.A .0958N	8450W 3.	G(R) 69-	.	.D	.	.	.
.	. .	.	S( )	.	.	.	.5	.
.SAN JOSE	.A .0956N	8405W1172.	G(R) 70-	.	.D	.	.	.
.	. .0959N	8413W 920.	S( )	.	.	.	.24	.
.PALMAR SUR	.A .0857N	8328W 16.	G(R) 73-	.	.D	.	.5	.
.	. .	.	S(C)	.	.	.	.	.

CUBA

2	3	4		5	6	7	8	9	10
.CASA BLANCA,HABANA	.A	.2310N	8221W 85.	G(E1)				.24	
.JOVELLANOS,MATANZAS	.A	.2248N	8110W 25.	G( )				.5	
.CAMAGUEY,CAMAGUEY	.A	.2125N	7751W 118.	G( )				.24	
.SANTIAGO DE CUBA,ORIENTE	.A	.2003N	7550N 44.	G(E1)				.5	
.GRAN PIEDRA,ORIENTE	.A	.2000N	7538N 920.	G( )				.5	

EL SALVADOR

2	3	4		5	6	7	8	9	10
.NUEVA CONCEPTION	.A	.1408N	8917W 320.	G(R)	.D:SU1, SU2	.D			
				S( )		.D			
.AHUACHAPAN	.A	.1357N	8952W 725.	G(R)	.D:SU1, SU2	.D			
				S( )		.D			
.SAN SALVADOR	.A	.1343N	8912W 710.	I( ) 57*					
				G(BS) 57-	.D:SU1, SU2	.D			
				G(R) 71-	.D:SU1, SU2	.D			
				S( )	.SU2	.D			
.SANTA TECLA	.A	.1341N	8917W 965.	I( ) 57*					
				G(BS) 57-	.D:SU1 SU2	.D			
				S( )	.SU2	.D			
.SANTA CRUZ	.A	.1326N	8849W 30.	I( ) 57*					
				G(BS) 57-	.D:SU1, SU2	.D			
				S( )	.SU2	.D			
.LA UNION	.A	.1320N	8753W 95.	G(R)	.D:SU1, SU2	.D			
				S( )		.D			

GUADELOUPE

2	3	4		5	6	7	8	9	10
.LE RAIZET	.A	.1616N	6131W 7.	G(K) 73-	.D:SU1, SU2	.H		.24	
				S(C)	.MO:SU1-2				

HONDURAS

2	3	4		5	6	7	8	9	10
.ISLAS DEL CISNE/SWAN IS.	.B	.1724N	8356W 17.	G(E1) 49-72	.D:SU1, SU2	.H	.H	.6	
				G(E2) 72-	.D:SU1, SU2	.H	.H		

JAMAICA

2	3	4		5	6	7	8	9	10
.MONTEGO BAY/SANGSTER	.A	.1628N	7755W 60.	G(BS) 74-		.D		.24	
				S(C) 66-					
.ORANGE RIVER	.A	.1615N	7652W 326.	G(BS) 72-		.D			
				S(C) 45-					
.KINGSTON/N.MANLEY INT'L	.A	.1756N	7646W 2.	G(BS) 74-				.24	
				S( ) 11-					
				S(C) 41-					
.BODLES	.A	.1756N	7708W 40.	G(BS) 72-					

MARTINIQUE

2	3	4		5	6	7	8	9	10
.LAMENTIN	.A	.1436N	6100W 3.	G(K) 74-	.D:SU1,	.H		.24	
				S(C)	.MO:SU1				

MEXICO

2	3	4		5	6	7	8	9	10
.CHIHUAHUA UNIV.,CHIH	.A	.2838N	10605W1430.	G(R) 59-	.D:SU1, SU2	.H		.8	
				G(K) 67*	.D:SU1, SU2	.H			
				S(C)	.MO:SU1-2				
.ORIZABITA,HGO	.A	.2035N	9912W1745.	G(K) 68-	.D:SU1, SU2	.H			
				G(R) 68-	.D:SU1, SU2	.H			
				S(C)	.MO:SU1-2				
.TACUBAYA	.A	.1924N	9906W2300.	I( )					
.CIUDAD UNIV. MEXICO	.A	.1920N	9911W2268.	G(BS) 67-69	.D:SU1, SU2	.D			
				G(R) 57-	.D:SU1	.H			
				G(E1) 69-71	.D:SU1, SU2	.H			
				G(K) 71-	.D:SU1, SU2	.H			
				S(C)	.SU2				
.VERACRUZ	.A	.1912N	9608W 12.	G( ) 57-58					

PANAMA

2	3	4		5	6	7	8	9	10
.AEROP.DE BOCAS,BOCAS D.T.	.A	.0920N	8215W 2.	G(R) 72-74		.D			
.SALUD (ICACAL),COLON	.A	.0912N	8009W 11.	G(R) 72-		.D			
.TOCUMEN,PANAMA	.A	.0903N	7922W 14.	G(R) 70-		.D		.5	
.BAJO GRANDE,CHIRIQUI	.A	.0851N	8233W2300.	G(R) 71-		.D			
.ALBROOK	.B	.0839N	7934W 6.	G(E.)		.D		.5	
.ANTON,COCLE	.A	.0823N	8016W 33.	G(R) 69-		.D			
.EL REAL,DARIEN	.A	.0808N	7745W 10.	G(R) 73-		.D			
.LA RAYA,VERAGUAS	.A	.0808N	8048W 43.	G(R) 71-		.D			
.LOS SANTOS,LOS SANTOS	.A	.0757N	8025W 16.	G(R) 72-		.D			
.COIBA,VERAGUAS	.A	.0729N	8143W 8.	G(R) 71-		.D			
.BALBOA	.C	.0900N	7930W .	GX(E2)73-75	.US 6				

ST PIERRE AND MIQUELON

2	3.	4		5	6	7.	8.	9.	10
.ST.PIERRE MIQUELON	.A	.4646N 5610W	3.	G(K) 72-	.D:SU1, SU2	.H	.	.24	.
				S(C) 72-	.MO:SU1-2	.	.	.	.

TRINIDAD AND TOBAGO

2	3.	4		5	6	7.	8.	9.	10
.PIARCO,TRINIDAD	.A	.1035N 6121W	12.	G(R) 72-	.	.D	.	.24	.
				S( )	.	.D	.	.	.

USA - ALABAMA

2	3.	4		5	6	7.	8.	9.	10
.FLORENCE	.M	.3458N 8813W	170.	G(E8) 78-	.	.	.	.	.
				Q+(TG)78-	.	.	.	.	.
.STEVENSON	.M	.3452N 8545W	187.	G(E8) 75-	.	.M	.X	.	.
				Q+(TG)75-	.	.	.X	.	.
.HUNTSVILLE	.BI	.3444N 8640W	201.	I(EN) 77-	.	.5M	.	.24	.
				G(E2) 77-	.	.5M	.	.	.
				G/(E2)77-	.	.5M	.	.	.35 S
				D(WM) 77-	.	.5M	.	.	.
.SCOTTSBORO	.M	.3443N 8555W	187.	G(E8) 78-	.	.	.X	.	.
				Q+(TG)78-	.	.	.X	.	.
.TUSCUMBIA	.M	.3442N 8742W	143.	G(E8) 76-	.	.M	.X	.	.
				Q+(TG)76-	.	.M	.X	.	.
.DECATUR	.M	.3442N 8706W	182.	G(E8) 67-	.	.M	.X	.	.
				Q+(TG)	.	.	.X	.	.
.MUSCLE SHOALS	.M	.3439N 8746W	162.	G(E8) 67-76	.	.M	.X	.	.
				Q+(TG)68-76	.	.	.	.	.
.HUNTSVILLE	.BR	.3493N 8645W	191.	I( ) 75-77	.	.	.	.	.
.REDSTONE ARSENAL	.N	.3437N 8640W	183.	G(E8) 76-	.H:USS	.H	.	.	.
.AUBURN	.L	.3215N 8530W	198.	G(E1) 58-	.D:USS	.D	.	.	.
.MONTGOMERY	.A	.3218N 8624W	61.	I(EN) 78-	.	.	.	.24	.
				G( ) 78-	.	.	.	.	.
				S(F) 61-	.D:SU1	.	.	.	.
.BIRMINGHAM	.A	.3334N 8645W	191.	S(F) 64-	.D:US1	.	.	.24	.

USA - ALASKA

2	3.	4		5	6	7.	8.	9.	10
.BARROW	.AB	.7118N 15642W	11.	G/(E2)66-75	.US6	.	.	.	.VAR.ANGLES
				GX(E2)66-75	.	.	.	.	.
.BARROW	.A	.7118N 15647W	19.	G(E1) 48-51	.D:US1	.H	.	.24	.
				G(E1) 51-74	.D:US1-SU1, SU2	.H	.H,D.		.
				GX(E2)74-	.	.	.X	.	.QUA
				GX(E2)74-	.	.	.X	.	.GG1
				GX(E2)74-	.	.	.X	.	.OG1
				GX(E2)74-	.	.	.X	.	.RG8
				UV( )	.	.	.	.	.
.FAIRBANKS	.A	.6449N 14743W	138.	G(E1) 31-55	.D:US1-2	.H	.H,D.	24	.
		.6449N 14752W	454.	G(E1) 55-76	.D:US1-SU1, SU2	.H	.H,D.		.
.FAIRBANKS	.BO	.6449N 14743W	138.	I(EN) 78-	.	.	.	.	.
				G(E2) 78-	.	.	.	.	.
				G/(E2)78-	.	.	.	.	.
				GX(E2)78-	.	.	.	.	.
				D(E2) 78-	.	.	.	.	.
.MATANUSKA	.A	.6134N 14916W	52.	G(E) 54-	.D:US1	.H	.D	.	.
				Q+( )62-	.	.	.	.	.
.PALMER	.A	.6134N 14915W	72.	G(E1) 65-71	.D:US1	.D	.D	.	.
				G(E2) 71-	.	.D	.D	.	.
				Q+( )65-	.D:US1	.	.	.	.
.BETHEL	.A	.6047N 16141W	49.	G(E1) 49-58	.D:US1	.H	.H,D.	24	.
		.6047N 16148W	150.		.	.	.	.	.
				G(E1) 58-	.D:US1-SU1, SU2	.H	.H,D.		.
.ANNETTE	.A	.5502N 13141W	46.	G(E1) 49-	.D:US1-SU1, SU2	.D	.D	.	.
.NOME	.A	.6430N 16526W	7.	S(F) 60-	.D:US1	.	.	.24	.
.ANCHORAGE	.A	.6110N 15001W	40.	S(F) 58-	.D:US1	.000.		.24	.
.JUNEAU	.A	.5822N 13435W	7.	S(F) 60-	.D:US1	.	.	.24	.

USA - ARIZONA

2	3.	4		5	6	7.	8.	9.	10
.PAGE	.A	.3656N 11128W	305.	G(E1) 59-70	.D:US1	.D	.	.	.
.PHOENIX	.BS	.3350N 11210W	610.	I(EN) 69-	.US10	.D	.	.X	.STRIP CHARTS
				G/(E2)69-	.US10	.D	.	.	.45S
				D(SR) 69-	.US10	.D	.	.	.
.FLAGGSTAF	.P	.3511N 11139W	2112.	G(I) 74-75	.US9	.S	.	.	.
				D(E) 77-	.	.	.	.	.
				S( ) 69-	.	.H	.	.	.
.MOUNT HARQUA	.A	.3340N 11320W	1721.	I( ) 20*25	.US4	.	.	.	.
.PHOENIX	.A	.3326N 11201W	347.	I(EN) 78-	.	.	.	.24	.
				G(E1) 49-67	.D:US1-SU1	.	.H	.	.
				G(E1) 67-73	.D:SU1, SU2	.	.D	.	.
				G(E2) 73-	.D:US1-SU1, SU2	.D	.D	.	.
				S(F) 60-	.D:US1, SU1-2	.	.	.	.
.TEMPE	.O	.3326N 11156	354 .	I( ) 77-	.	.	.	.	.45S
				G/( )77-	.	.	.	.	.
				D( ) 77-	.	.	.	.	.
.MESA	.A	.3320N 11138W	424.	G(E1) 56-	.	.D	.D	.	.DAILY FROM 1973
				G/(E)66-	.US9	.	.	.	.45S
.YUMA	.K	.3250N 11424W	99.	G(E) 61-74	.	.	.	.	.
				G/(E)75-	.	.	.	.	.45S
.YUMA		.3250N 11450W	60.	I( ) 77	.	.	.	.	.
.TUCSON	.A	.3215N 11057W	742.	I(EN) 56*	.*US1	.	.	.24	.
				G(E1) 55-	.D:US1-SU1	.H	.H,D.		.
		.3207N 11056W	774.	S(F) 61-	.D:US1	.	.	.	.
.PHOENIX	.BT	.3316N 11159W	366.	I( ) 74-75	.	.	.	.	.
				G( ) 74-75	.	.	.	.	.
.NEW RIVER	.A	.3348N 11212W	610.	I( ) 75-	.	.	.	.	.
.FLAGGSTAFF	.A	.3508N 11140W	2127.	S(F)	.	.	.	.	.
.YUMA	.A	.3240N 11436W	62.	S(F) 57-	.	.	.	.	.

USA - ARKANSAS

2	3.	4		5	6	7.	8.	9.	10
LITTLE ROCK	A	3444N 9214W	84	G(E1) 49-52,73-76	D:US1-SU1, SU2	H	D	24	H. IN TABLES
		3450N 9216W	171	S(F) 65-	D:US1, SU1-2				1949-52,73-76
FORT SMITH	A	3520N 9422W	140	S(F) 65-	D:US1			24	

USA - CALIFORNIA

2	3.	4		5	6	7.	8.	9.	10
ALTURAS	B	4128N 12031W	1329.	G(R) 58*69	D:US5				
GLENBURN	B	4104N 12109W	1010.	G(R) 63*66	D:US5				
MCARTHUR	B	4101N 12121W	1021.	G(R) 58*58	D:US5				
EUREKA	BE	4048N 12410W	13.	G(E8) 78-			X		
BATLER VALLEY RANCH	BU	4046N 12354W	126.	G(R) 70-75	US5				
REDDING	B	4033N 12218W	152.	G(R) 58*58	D:US5				
RUTH RES.	B	4023N 12327W	777.	G(R) 67*67	D:US5				
RED BLUFF	B	4010N 12208W	85.	G(R) 67*69	D:US5				
GERBER	B	4003N	1010.	G(R) 63*66	D:US5				
RED BLUFF	BU	4009N 12215W	104.	G(E8) 71-	US18		X		
GERBER 1SW	B	4003N 12210W	70.	G(R) 73-	US5				
COVELO	B	3948N 12315W	425.	G(R) 66*69	D:US5				
NEWVILLE	B	3948N 12231W	198.	G(R) 66*70	D:US5				
CHALLENGE	F	3929N 12113W	780.	G(E) *					
WILLOWS	B	3926N 12211W	29.	G(E) 58*67	D:US5				
SODA SPRINGS	A	3920N 12222W	2100.	G(E1) 46-50	D:SU1-2				
UPPERLAKE	B	3909N 12254W	205.	G(R) 70*72	D:US5				
COON CREEK	E	3859N 12108W	152.	G(E1) 61*66	US5				
FINLEY 2SW	B	3859N 12254W	415.	G(R) 72-73	US5				
AUBURN	BU	3854N 12104W	394.	G(E8) 77-			X		
PLACERVILLE IFG	G	3844N 12044W	840.	G(PH) 76-	US5				
WARM SPRINGS DAM	K	3843N 12259W	68.	G(R) 73-75	US5				
FOLSOM DAM	G	3842N 12110W	107.	G(SO) 74-	US5				
SACRAMENTO	CV	3833N 12126W	8.	G(E2) 76-	US5				
DAVIS	A	3832N 12145W	32.	G(E1) 42-76	D:US1-2-SU1	D	D		TAPE FR. 52-
				G/( )					VAR.ANGLES
SANTA ROSA	J	3831N 12243W	137.	G( ) 72-	US5				
SANTA ROSA		3827N 12242W	51.	G(E8) 77-					
VACAVILLE	G	3822N 12157W	30.	G(SO) 76-	US5				
NAPA	J	3817N 12217W	5.	G(E1) 72-74	US5				
DAVIS	BJ			G(E1) 78-					
THORNTON	B	3812N 12125W	2.	G(R) 63*68	D:US5				
VALLEJO	J	3806N 12216W	15.	G(E1) 72-75	US5				
PITTSBURG	J	3801N 12150W	30.	G(R) 70*73	US5				
RICHMOND	J	3800N 12230W		G(R) 70*73					
SAN RAFAEL	J	3758N 12232W	8.	G(E1) 70-	US5				
RICHMOND	J	3756N 12221W	30.	G(E1) 70-75	US5				
BERKELEY	BU	3752N 12215W	105.	G(E8) 77-			X		
OAKLAND	J	3750N 12218W		G(R) 70*71					
STOCKTON	B	3750N 12114W	8.	G(R) 60*61	D:US5				
SAN FRANCISCO	BX	3748N 12230W	72.	G(WM)	US5				STRIP CHART
OAKLAND	J	3747N 12210W	30.	G( ) 70-71	US5				
SAN FRANCISCO	J	3747N 12225W	16.	G(E) 49*53					
				G(E8) 70-					
LIVERMORE	AQ	3741N 12147W	207.	I(EN) 74-					
				G(SR) 74-	US5				
LIVERMORE	J	3740N 12146W	207.	I( ) 70*70					
				G(E8) 70*70		M			
				G(E1) 71-73					
				G(E8) 74-	US5				
MAZE BRIDGE	B	3737N 12113W	11.	G(R) 62*65					
PACIFIC GROVE	G	3736N 12158W		G( ) 70-					
BURLINGAME	J	3735N 12221W	8.	G(E8) 73-76	US5				
REDWOOD CITY	J	3730N 12215W		G(R) 70*73					
REDWOOD CITY	J	3729N 12214W	30.	G(E1) 64-	US5				
SAN FRANCISCO	CU	3727N 12205W	7.	G(S) 70-	US5				
FELT LAKE		3725N 12209W	57.	G(E1) 54-62		D			
SAN JOSE	J	3721N 12154W	21.	G(E1) 63-	US5				
				G(E8) 69-					
SAN JOSE	J	3720N 12200W		G(R) 70*72					
BERENDA	B	3704N 12008W	82.	G(R) 62*63	D:US5				
SAN LUIS DAM	B	3703N 12104W	34.	G(R) 66-	US5				
LOS BANOS	B	3701N 12054W	55.	G(R) 59*62	D:US5				
FRESNO	A	3646N 11943W	102.	I(EN) 78-					
				G(E1) 58-67	D:SU1,US5-9-18	H	D		
				G(E1) 67-74	D:SU1,US5-9-18		D		
				G(E2) 74-	D:US1-SU1,US5-9	D	D		
		3643N 11949W	102.	G(E1) 28-58	D:US1-2	H			
				S(F) 60-	D:US1, SU1-2				
FRESNO		3649N 11944W	104.	G(E8) 72-	CVUS5				
KERMAN	B	3643N 12001W	69.	G(R) 64*64	D:US5				
COIT RANCH	CT	3642N 12028W	85.	G(R) 74-	US5				
METZLER RANCH	CT	3641N 11938W	104.	G(PH) 76-	US5				
SALINAS HARTNELL	B	3641N 12137W	26.	G(R) 74-	US5				
SALINAS	BE	3640N 12136W	23.	G(E8) 77-			X		
TRANQUILLITY	G	3639N 12015W	50.	G(E8) 76-	US5				
MONTEREY	H	39636N 12152W		G(E1) 71-	US5				
MOUNT WHITNEY		3635N 11817W	4420.	I( ) 09-10	US4				
SOLEDAD	B	3628N 12123W	70.	G(R) 63*63	D:US5				
FIVE POINTS	G	3622N 12006W	80.	G(WM) 72-	US5				
VISALIA	CQ	3620N 11918W	99.	G(E8) 77-					
COALINGA-ALLEN	CT	3610N 12014W	171.	G(SO) 74-	US5				
JOLON	K	3557N 12114W	274.	G( ) 69*69,71-	US5				
HIGH POINT	K	3556N 12109W	564.	G( ) 72*72					
CHINA LAKE-INYOKERN	A	3539N 11749W	747.	G(E) 50*	D:US1		D		
CHINA LAKE	BU	3539N 11740W	823.	G(E2) 76-	US5				
INYOKERN	A	3539N 11740W	700.	G(E1) 48-	D:US1	D	D		
	BU								
				G(E8)	US18				
RIDGECREST	CQ	3537N 11740W	696.	I(EN) 76-					
				G(E8) 76-	US5				
SHAFTER	D	3532N 11917W	94.	G( ) 75-	US5				
WASCO SSW	I	3532N 11927W	85.	G(R) 75-	US5				
BUTTONWILLOW	B	3523N 11927W	82.	G(R) 65*66	D:US5				
SAN LUIS OBISPO	B	3518N 12040W	91.	G(R) 69*69	D:US5				
GOLDSTONE	BV	3518N 11648W	981.	G(SR) 74-	US5				
ARVIN FRICK	B	3514N 11852W	133.	G(R) 59*66	D:US5				
BAKERSFIELD	B	3514N 11859W	100.	G(R) 69*70	D:US5,US18				
OLD RIVER	B	3513N 11906W	102.	G(R) 65*67	D:US5				
CUMMINGS VALLEY	B	3507N 11834W	1195.	G(R) 65*72	D:US5				
GUADALUPE	B	3500N 12032W	30.	G(R) 61*64	D:US5				
SANTA MARIA	A	3456N 12025W	82.	G(E1) 49-63		H	H		
		3454N 12027W	82.	G(E1) 63-67	D:SU1, SU2		D		
				G(E2) 67-73	D:SU1, SU2		D		
				G( ) 73-75	D:SU1	D	D		
BARSTOW	CQ	3453N 11700W	664.	I(EN) 76-					
				G(E8) 76-	US5-9				
LANCASTER	CQ	3442N 11809W	714.	I(EN) 76-					
				G(E8) 76-	US5				
LOMPOC	D	3436N 12027W	152.	G(E) 50*52	US5				
VICTORVILLE	CQ	3433N 11717W	870.	I(EN) 76-					
				G(E8) 76-	US5				

USA - CALIFORNIA

2	3.	4	5	6	7.	8.	9.	10
.PARDEE	.CQ.	3427N 11835W 315.	G(E8) 76-	US5				
.TABLE MOUNTAIN	.A .	3422N 11741W2286.	I(..) 25*	US1-2-4				
.ARROWHEAD	.CQ.	3417N 11713W1542.	G(E8) 77-			X		
.MOORPARK	.CQ.	3417N 11854W 141.	G(E8)	US5				
.LOS ANGELES	.A .	3417N 11410W 734.	G(S) 75-					
			D(..) -					
.NORTHRIDGE	.CV.	3414N 11832W 261.	G(K) 63-	US5				
.MOUNT WILSON	.	3413N 11803W1780.	I(..) 05*20	US4				
.MANDALAY	.CQ.	3412N 11915W 6.	G(E8) 76-	US5				
.YUCCA VALLEY	.CQ.	3407N 11625W1024.	I(EN) 76					
			G(E8) 76	US5				
.RIALTO	.CQ.	3406N 11721W 369.	G(E8)	US5				
.POINT MUGU	.H .	3406N 11906W 3.	G(E8) 66-	US5-18				
.LOS ANGELES	.A .	3403N 11814W 107.	I(EN) 78-					
			G(E1) 49-74	D:US1	D	H		
			G( ) 78-					
.WALNUT	.CQ.	3401N 11758W 107.	G(E8) 76-	US5				
.LAGUNA BELL	.CQ.	3358N 11808W 41.	G(E8) 76-	US5				
.RIVERSIDE	.A .	3358N 11720W 320.	G(E1) 33-	D:US1-2-SU1	H	D		
.LOS ANGELES	.A .	3356N 11823W 36.	G(E1) 50-	D:US1-SU1, SU2	D	D		
			S(F) 58-					
.EL SEGUNDO	.CQ.	3355N 11825W 12.	G(E8) 76-	US5				
.VILLA PARK	.CQ.	3349N 11751W 77.	G(E8) 77-	US5				
.COTTONWOOD	.C .	3348N 117 W 457.	G(E2) 73-74	US5				
.PALM SPRINGS	.CQ.	3347N 11628W 93.	I(EN)					
			G(E8)	US5				
.LONG BEACH	.CV.	3346N 11811W 11.	G(S) 71-					
.COACHELLA	.G .	3340N 11610W 25.	G(R) 67*73					
.BLYTHE	.E .	3337N 11436W 81.	I(EN)					
			G(E8) *	US9				
.HUNTINGTON BEACH	.CQ.	3338N 11758W 6.	G(E8) 76-	US5				
.SALTON SEA	.	3331N 11604W -68.	G(E1) 73-		D			
.SALTON SEA	.C .	3330N 11603W -69.	G(E1) 67*68	US5				
.SANDY BEACH	.C .	3311N 11550W -69.	G(E.) 61*62					
.ESCONDIDO	.CQ.	3308N 11706W 216.	I(EN) 75-	US5,US15				
			G(E8) 75-					
.BRAWLEY	.D .	3257N 11533W 30.	G(E.) 62*72	US5				
.DEL MAR/CARLSBAD	.CQ.	3257N 11716W 104.	G(E8) 75-	US5,US15				
.SAN VICENTE	.C .	3255N 11655W 201.	G(E1) 57*59					
.LA JOLLA	.A .	3252N 11715W 26.	G(E1) 29-42	D:US2	D			
			G(E.) -50	D:US1-2	D			
.ALPINE	.CQ.	3251N 11647W 747.	G(E8) 75-	US15		X		
.SAN DIEGO	.R .	3250N 11710W 143.	G(E8) 74-		H			
.TORREY PINES	.	3250N 11715W 114.	G(E1) 40-41		D			
.IMPERIAL	.CQ.	3249N 11523W -6.	G(E8) 77-					
.EL CENTRO	.BU.	3248N 11540W -3.						
.EL CENTRO	.A .	3248N 11514W 4.	G(E1) 31-72		D	D		
			G(E2) 72-	D:US1	D	D		
.EL CAJON	.CQ.	3247N 11658W 140.	G(E8) 75-	US5,US15				
.SAN DIEGO	.R .	3246N 11705W 137.	G(E8) 74-	US5,US15				.STRIP CHART
.SPRING VALLEY	.R .	3244N 11655W 216.	G(E8) 76-	US5,US15				
.INDIO	.	3243N 11614W 11.	G(E1) 40-41					
.BARRET RES	.C .	3241N 11640W 495.	G(E1) 60*61					
.CHULA VISTA	.CQ.	3240N 11702W 20.	G(E8) 75-	US5				
.FINLEY	.B .	3059N 12254W 415.	G(R) 72*73	D:US5				
.BERKLEY	.BA.		I(..) 75*			X		
			G(E2) 75*			X		
.FREMONT	.J .		G(E8) 70-	US5				
			G(R) 71*71					
.CHINA LAKE	.BA.		I(..) 76-			X		
			G(E2) 76-			X		
.PASADENA	.BE.		G(SR) 74-			X		
.LIVERMORE	.BF.		G(E8) 74-		X			
.LOS ANGELES	.B .		G(..) 75-					
.PALO ALTO	.BG.		G(..) 74-					
.EUREKA	.A .	4048N 12410W 18.	S(F) 57-					
.RED BLUFF	.A .	4009N 12215W 107.	S(F) 60-					
.SACRAMENTO	.A .	3831N 12130W 8.	S(F) 58-					
.SAN FRANSISCO	.A .	3729N 12212W 731.	S(F) 58-					
.SAN DIEGO	.A .	3244N 11710W 9.	S(F) 56-					

USA - COLORADO

2	3.	4	5	6	7.	8.	9.	10
.GRAND LAKE	.A .	4015N 10551W2540.	G(E1) 48-61	D:US1-2	D			
.GRANBY	.A .	4014N 10551W2541.	G(E.) 51-	D:US1	D			
.BOULDER	.T .	4000N 10516W1654.	I(EN) -					
			G(E1) 44-48	D:US2	D			
			G(..) -					
			D(..) -					
.GOLDEN	.BH.	3953N 10512W1841.	G(E1) 75-		10M.			
			D(E2) 76*		10M.			
.DENVER	.	3940N 10500W1635.	G(E1) 50-51		D			
.CLIMAX	.A .	3922N 10611W3511.	I( ) 46-49					
			G(E1) 46-52	D:US1-2	D			
.GRAND JUNCTION	.A .	3907N 10832W1473.	I(EN) 78-					
	.	3907N 10832W1473.	G(E1) 49-75	D:SU1, SU2	D	D		
			G(E2) 75-	D:US1-SU1	D	D		
			S(F) 61-	D:US1, SU1-2				
.COLORADO SPRINGS	.U .	3855N 10450W2057.	G(E2) 75-		X			
.USAF. ACADEMY	.S .	39..N 105..W1981.	G(E2) 75-		M			
.DENVER	.A .	3945N 10252W1616.	S(F) 57-					
.PUEBLO	.A .	3817N 10431W1430.	S(F) 59-					

USA - CONNETICUT

2	3.	4	5	6	7.	8.	9.	10
.HARTFORD	.	4156N 7251W 179	G(E1) 59-62			D		
			S(F)					
.WINDSOR LOCKS	.	4150N 7240W	G(..)					
.AVON	.BD.	4148N 7248W 285	G(PB) 68-	D:US5	H			
			I(EN) 78-			15M.		
			G(E8) 78-					.STRIP CHART
.MIDDLETON	.CW.	4132N 7234W 18.	I(EN) 78-			15M.		
			G(E8) 73-					.STRIP CHART
.WATERFORD	.CW.	4118N 7210W 23.	I(EN) 78-			15M.		
		6.						
			G(E8) 73-					
.BRIDGEPORT	.CW.	4112N 7306W 11.	I(EN) 78-			15M.		
			G(E8) 78-					.STRIP CHART
.AVERY POINT			G(MK) 74-					
.BLOOMFIELD			G( ) 75-					
.COVENTRY	.CX.		G(E) 68-					
.DANBURY			G(MK) 76-					
.DERBY			G(MK) 76-					
.ENFIELD			G(MK) 75-					
.HARTFORD			G(MK) 75-					
.MIDDLETOWN			G(MK) 76-					
.MOUNT CARMEL	.CY.		G(R) 59-					
.NEW BRITAIN			G(MK) 76-					
.NEW HAVEN			G(MK) 75-					
.STAMFORD			G(MK) 75-					
.WATERBURY			G(MK) 75-					

USA – DELAWARE

2	3.	4		5	6	7.	8.	9.	10
NEWARK	V	3940N	7545W	G(E8) 74-		H			
				G/(E8) 74-		H			45S

USA – FLORIDA

2	3.	4		5	6	7.	8.	9.	10
QUINCY	X	3033N	8436W 78	G(E1) 66-69		D			
TALLAHASSE STATE UNIV.	A	3026N	8418W 65	G(E1) 53-66	D:US1-SU1	D	D		TAPE 54-56
		3023N	8422W 21	G(E1) 68-71*74	D:SU1, SU2	H	D		
				G(E2) 74-	D:SU1-SU1, SU2	H	H		
				D( ) -					
				UV(SU)73-74					ERYTH.SPECTRUM
APALACHIOLA	A	2944N	8459W 14	G(E1) 49-	D:US1-SU1, SU2	H	H		
				S(F) 63-	D:US1, SU1-2				
				S(F) 63-	D:US1, SU1-2				
GAINESVILLE	BY	2941N	8216W 47	G(E8) 54-	US16				STRIP CHART
GAINESVILLE	A	2939N	8221W 59	G(E1) 30-	D:US1-SU1	D	D		TAPE FR. 1957
ORLANDO		2830N	8120W 33	I( ) 76-		*			
KENNEDY SPACE CENTRE	W	2828N	8031W	G(E) 66-77					STRIP CHART
				G(MK) 66-77					
CAPE CANAVERAL	BZ	2825N	8036W 9						
				G(E2) 76-					
LAKELAND	A	2802N	8157W 82	G(E1) 63-74	D:US1-SU1, SU2		D		
			72	S(F) 60-	D:US1, SU1-2				
TAMPA	A	2758N	8232W 14	G(E1) 49-74	D:US1-SU1, SU2	D	D		
				S(F) 61-	D:US1, SU1-2				
MIAMI	A	2541N	8012W 15	G(CL) 30-40	D:US2	D			
		2549N	8017W 12	I( ) 78-		H			
				G(E1) 49-73	D:US1-SU1, SU2	H	H		
				G(E2) 73-	D:US1-SU1, SU2	H	H		
							X		STRIP CHART
JACKSONVILLE	A	3030N	8142W 9	S(F) 62-	D:US1				
PENSACOLA	A	3020N	8718W 10	S(F) 61-	D:US1				
KEY WEST	A	2433N	8145W 6	S(F) 62-	D:US1				

USA – GEORGIA

2	3.	4		5	6	7.	8.	9.	10
ATLANTA	A	3339N	8425W 310.	G(E1) 49-73	D:US1-SU1, SU2.	D	D		
				G(E2) 73-74	D:US1-SU1, SU2.	D	D		
				S(F) 60-	SU2				
ATLANTA	AQ	3322N	8447W 280.	I(EN) 77-		M			
				G(E2) 77-		M			
				S( ) 78-					
GRIFFIN	A	3314N	8425W 305.	G(E1) 50-66	D:US-SU1	D	D		
MACON	A	3242N	8339W 110.	S(F) 63-					
SAVANNAH	A	3208N	8112W 16.	S(F) 63-					

USA – HAWAII

MAUNA LOA	A	1950N	1528W	IX(EN)72-		M			MULTI-X
				I(EN) -	US1	M			QUA.
				G(E2) 57-		M	D		BULB
				G(E2) 72-		M			QUA.
				G(E2) 72-		M			GG22
				G(E2) 72-		M			OG1
				G(E2) 72-		M			RG8
KEAHOLE AIRPORT	CZ	2943N	15504W 3.	G(E8) 76-					
HONOLULU	A			I( ) 78-					
				G( ) 78-					
KEALAKEKUA	CZ	2930N	15554W 640.	G(E8) 76-					
KAUAI	DA	2155N	15932W 192.	G(E8) 62-					
KAHUKU	CZ	2140N	15758W 148.	76-					
KAENA	CZ	2136N	15815W 376.	G(E8) 76-					
MILILANI	CZ	2126N	15801W 146.	76-					
WAIMANO HOME	CZ	2126N	15756W 320.	76-					
KUNIA	CZ	2124N	15802W 87.	G(E8) 72-					
OAHU	DA	2123N	15802W 87.	G(E8) 63-					
PALEHUA	CZ	2123N	15807W 649.	76-					
MAUNAWILI	CZ	2121N	15746W 125.						
TANTULUS	CZ	2120N	15749W 610.						
LYON	CZ	2120N	15748W 152.	76-					
HONOLULU	A	2120N	15756W 5.	I(EN) 78-					
				G( ) 78-					
				S(F) 62-					
HONOLULU AIRPORT	DB	2119N	15755W 2.	41-70	US18				
				76-	US18				
HUELANI	CZ	2119N	15749W 98.	76-					
MOLOKAI	DA	2118N	15750W 15.	G(E8) 47-75					
MAKIKI	CZ	2118N	15750W 15.	72-					
HOLMES	CZ	2118N	15749W 23.	G(E8) 76-					
WAIKIKI	CZ	2117N	15750W 3.	76-					
KAUNA KAKIA	CZ	2106N	15701W 3.	G(E8)					
MAUI	CZ	2050N	15628W 32.	G(E8) 74-					
MAUNA LOA	A	1950N	15528W3399.	IX(EN)72-	US1	M			MULTI-X
				G(E2) 57-		M	D		
				G/(E2)79-					VAR.ANGLES
				GX(E2)72-		M			QUA,GG22
				GX(E2)72-		M			OG1,RG8
HILO	DA	1944N	15506W 67.	G(E8) 60-					
HONOLULU	A	2120N	15756W 5.	S(F) 62-					
KAHULUI	A	2054N	15626W 20.	S(F)					
HILO	A	1943N	15504W 10.	S(F) 58-					

USA - IDAHO

2	3	4		5	6	7	8	9	10
BOISE	A	4334N	11613W 881.	I(EN) 78-					
				G(E1) 49-	D:US1-SU1, SU2	D	D		
				G( ) 78-					
				S(F) 60-	MO:SU1-2				
TWIN FALLS	A	4227N	11434W1149.	G(E1) 27-63	D:US1-2	D			HOURLY 30-50
		4233N	11421W1197.	G(E1) 63-66		D			ON TABLES
POTACELLO	A	4255N	11236W1357.	S(F) 61-					

USA - ILLINOIS

2	3	4		5	6	7	8	9	10
CHICAGO	A	4147N	8725W 206.	G(E1) 23-43	US2	H			
ARGONNE	A	4142N	8759W 227.	G(E1) 57-74	D:US1-SU1	H	D		
				G(E2) 74-	D:US1-SU1	H	H		
LEMONT	DC	4142N	8759W 227.	G(E8) 75-	D:US7				
				D(E8) 75-					
JOLIET		4130N	8810W 179.	G(E1) 49-53		D			
MACOMB	Y	4025N	9040W 231.	G(R) 73-		H			
URBANA	CE	4006N	8814W 226.						
				G(WM) 66-					CHARTS
CHICAGO	A	4147N	8745W 189.	S(F) 60-					
MOLINE	A	4127N	9031W 180.	S(F) 61-					
PEORIA	A	4040N	8941W 201.	S(F) 62-					
SPRINGFIELD	A	3950N	8946W 186.	S(F) 60-					
CARIO	A	3700N	8910W 108.	S(F) 65-					

USA - INDIANA

2	3	4		5	6	7	8	9	10
FORT WAYNE		4100N	8512W 251.						
				S(F) 64-					
WEST LAFAYETTE	CF	4028N	87..W 215.	G(E2) 66-		H	H		
EVANSVILLE		3803N	8732W 118.	S(F) 64-					
INDIANAPOLIS	A	3944N	8613W 254.	G(E1) 49-65	D:US1-SU1, SU2	D	D		
		3944N	8617W 251.	I(EN)					
				G(E1) 65-74	D:US1-SU1,MO:SU	D	D		
				G( ) 78-					
				S(F) 64-	MO:SU1-2				

USA - IOWA

2	3	4		5	6	7	8	9	10
AMES	A	4202N	9338W 315.	G(E1) 59-74	D:US1-SU1	H	D		
				UV( )	D:US1				-390NM
DES MOINES		4132N	9339W 963.	G(E1) 59-71					
			292.	S(F) 61-					
SIOUX CITY	A	4224N	9623W 334.	S(F) 62-					

USA - KANSAS

2	3	4		5	6	7	8	9	10
MANHATTAN	A	3912N	9635W 344.	G(E.) 57-		H	D		
DODGE CITY	A	3746N	9958W 800.	I(EN) 78-					
				G(E1) 49-	D:US1-SU1,MO:SU	H	H		
				G( ) 78-					
				S(F) 62-	MO:SU1-2				
CONCORDIA	A	3933N	9739W 450.	S(F) 62-					
TOPEKA	A	3904N	9538W 268.	S(F) 63-					
WICHITA	A	3739N	9726W 406.	S(F) 62-					

USA - KENTUCKY

2	3	4		5	6	7	8	9	10
LEXINGTON	A	3801N	8431W 313.	G(E1) 50-73	D:US1	H,D	D		ON TAPE 57-61,
		3808N	8430W 320.	G(E1) 73-		H	D		68-
DRAKESBORO	M	3716N	8700W 157.	G(E8) 67-78					
							X		
PADUCAH	M	3709N	8846W 111.	G(E8) 75-					
							X		
LOUISVILLE	A	3811N	8544W 148.	S(F) 62-					

USA - LOUISIANA

2	3	4		5	6	7	8	9	10
RUSTON	A	3230N	9235W	G(E1) 60-	D:US1	H	D		
SHREVEPORT	A	3225N	9345W 67.	G(E1) 57-65	D:US1-SU1	H	D		
				D(E1) 58-65			D		
		3228N	9349W 78.	S(F) 60-					
LAKE CHARLES	A	3019N	9309W 18.	G(E1) 49-61	D:US1-SU1	H	H,D		HOURLY IN TABL.
		3007N	9313W 18.	G(E1) 63-64	D:US1-SU1		H,D		49-52,73-
		3013N	9317W 18.	G(E1) 64-	D:SU1, SU2	H	H,D		
				G( ) 78-					
				S(F)	MO:SU1				
JEANERETTE		2956N	9140W 8.	G(E1) 51-55					
NEW ORLEANS		2956N	9007W 42.	G(E1) 31-47	D:US2	D			
		2957N	9005W 54.	S(F) 62-					

USA - MAINE

2	3.	4		5	6	7.	8.	9.	10
.CARIBOU	.A .4652N	6801W	195.	I(EN) 78-					
				G(E1) 49-72	.D:US1-2-SU1, SU.		.H		
				G(E2) 72-	.D:US1-SU1, SU2.	H			
.PORTLAND	.A .4339N	7019W	30.	G(E1) 45-	.D:US1-2-SU1,SU2.	H	.D		.ON TAPE FR. 52
			19.	S(F) 63-	.D:US1, SU1-2				

USA - MARYLAND

2	3.	4		5	6	7.	8.	9.	10
.ROCKVILLE	.AB.3910N	7710W		GX(E2)68-75	US6				
.COLLEGE PARK	.AA.3859N	7657W	20.	I(EN)					
				G(E1) 69-		.H			
.UPPER MARLBORO	.A .3852N	7647W	30.	G(E1) 59-		.H	.D		
.SILVER HILL	.A .3850N	7657W	89.	G(E1) 53-60		.D			
.SALISBURY	.A .3822N	7540W	11.	G(E1) 73-		.D	.D		
.GODDARD SFC,GREENBELT	.Z .39..N	7651W	79.	I(EN) 75-76		.X	.X		
				G(EB) 75-76		.X	.X		
				G(E2) 75-76		.X	.X		
.BALTIMORE	.A .3911N	7640W	47.	S(F) 60-					

USA - MASSACHUSETTS

2	3.	4		5	6	7.	8.	9.	10
.LYNN	.A .4227N	7058W	23.	G(E1) 49-52	.D:US1-2	.D			
.AMHERST	.A .4224N	7232W	90.	G(E1) 50-51	.D:US1-2	.D			
.MAYNARD	.K .4224N	7130W	63.	I( ) 63-		.*			
									.STRIP CHART
.BOSTON	.A .4221N	7104W	110.	I(E) 44-53	US1-2				
				G(E1) 44-68	.D:US1-2-SU1,SU2.	H	.H		.ON TAPE 52-
			9.	S(F) 60-	.D:US1				
.CAMBRIDGE	.A .4221N	7106W	9.	G(E1) 39-43	.D:US2	.D			
.NATICK	.A .4217N	7122W		G( )					
.BLUE HILL	.A .4213N	7107W	204.	I(SD) 32*	US2				
				I(E) 33-	US1-2				
				I(EN) 78-					
				G(E1) 32-	.D: US1-2-SU1, SU2.	.H	.H		.ON TAPE 52-
				G( ) 78-					
				G/(E1)45-59	US2	.D			.90S
				G/(E1)45-56	US2	.D			.90E
				G/(E1)46-56	US2	.D			.90N
				G/(E1)51-59	US2	.D			.90W
				D(E1) 45-59	US2				
				D( )					
				S(C) 85-	.D:US1				
				S(F) 63-	.D:US1				
.EAST WAREHAM	.A .4146N	7040W	15.	G(E1) 42-57	.D:US1-2	.H	.D		
.BOSTON	.DF.			G(ES) 74-75		.X			

USA - MICHIGAN

2	3.	4		5	6	7.	8.	9.	10
.SAULT STE MARIE	.A .4628N	8422W	221.	G(E1) 50-	.D:US1-SU1, SU2.	D	.D		.HOURLY ON TAPE
				S(F) 58-	SU2				.52-58
.EAST LANSING	.A .4242N	8428W	274.	G(E1) 42-71		.D			
.DETROIT	.AD.4225N	8301W	191.	I(EN) 76-78	US18				
				G(E2) 76-78	US18		.15M.		
				G(E2) 76-78	US18		.15M.		
.ANN ARBOR	.AC.4217N	8345W	220.	I(EN) 78-					
				G( ) 62-					
				G(E2) 78-					
				G/(E2) 79-					.VAR.ANGLES
.UNIVERSITY OF MICHIGAN	.AC.			G( ) 72-			.H		
.4 STN IN WEST.MICH.									
.MARQUETT	.A .4634N	8724W	222.	S(F) 65-					
.ALPENA	.A .4504N	8334W	210.	S(F) 63-					
.GRAND RAPIDS	.A .4253N	8531W	243.	S(F) 63-					
.LANCING	.A .4247N	8436W	265.	S(F) 63-					
.DETROIT	.A .4214N	8320W	201.	S(F) 59-					

USA - MINNESOTA

2	3.	4		5	6	7.	8.	9.	10
.SAINT CLOUD	.A .4535N	9411W	318.	G(E1) 49-72	.D:US1-SU1, SU2.	D	.D		
	.4533N	9404W	315.	G(E1) 72-	.D:SU1, SU2	.D	.D		
.ST. PAUL	.CG.4459N	9311W	295.	G(E.) 65-					.CHARTS
				D(K) 65-					
.DULUTH	.A .4650N	9211W	429.	S(F) 65-					

USA - MISSISSIPPI

2	3.	4		5	6	7.	8.	9.	10
.STARKVILLE	.BQ.3326N	8848W	122.	G(E.)		.D			
.JACKSON	.A .3219N	9005W	100.	S(F) 64-					

USA - MISSOURI

2	3.	4		5	6	7.	8.	9.	10
.COLUMBIA	.A	.3856N	9219W 232.	G(E1) 43-49	.D:US2	.D	.	.	.
.	.	.3858N	9222W 233.	Q*(GD)58-60	.	.D	.	.	.
.COLUMBIA	.A	.3857N	9220W 277.	I(EN) 78-	.	.	.	.	.
.	.	.	.	G(E1) 49-	.	.	.H	.	.MO:SU2
.	.	.	.	G( ) 78-	.	.	.	.	.
.ST. LOUIS	.CH.		.	I(E) 72-	.	.	.	.	.
.	.	.	.		.	.	.X	.	.
.	.	.	.	G(E) 72-	.	.	.X	.	.
.	.	.	.	L+(EG) 72-	.	.	.X	.	.
.KANSAS CITY	.A	.3907N	9436W 227.	S(F) 60-	.	.	.	.	.
.COLUMBIA	.A	.3849N	9213W 227.	S(F) 64-	.	.	.	.	.
.ST. LOUIS	.A	.3845N	9023W 171.	S(F) 62-	.	.	.	.	.
.SPRINGFIELD	.A	.3714N	9323W 385.	S(F) 63-	.	.	.	.	.

USA - MONTANA

2	3.	4		5	6	7.	8.	9.	10
.SOMMIT	.A	.4818N	11322W1478.	G(E1) 47-50	.D:US1-2	.D	.	.	.
.PLENTYWOOD	.DI.	4847N	10434W 617.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.GLASGOW	.A	.4813N	10637W 699.	G(E1) 50-75	.D:US1-SU1, SU2	.D	.D	.	.
.HAVRE	.DI.	4834N	10940W 758.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.GREAT FALLS	.A	.4729N	11121W1130.	I( ) 78-	.	.	.	.	.
.	.	.	.	G(E1) 49-67	.D:US1-SU1, SU2	.H	.H	.	.
.	.	.	.	G(E1) 67-	.D:US1-SU1, SU2	.D	.D	.	.
.	.	.	.	G( ) 78-	.	.	.	.	.
.	.	.	.	S(F) 63-	.MO:SU1-2	.	.	.	.
.BROWNING	.DI.	4833N	11301W1360.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH
.HUNTLEY	.	.4555N	10815W 911.	Q+(GD)62-69	.	.	.	.	.
.LIBBY	.DI.	4824N	11535W 626.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.SOMMIT	.A	.4818N	11322W1478.	G(E8) 47-50	.D:US1-2	.D	.	.	.
.KALISPELL	.DI.	4813N	11416W 902.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.GLASGOW	.A	.4813N	10637W 699.	G(E1) 50-75	.D:US1-SU1,SU2	.D	.D	.	.
.GLASGOW	.DI.	4812N	10638W 639.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.CHOTEAU	.DI.	4749N	11212W1158.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.FORTBENTON	.DI.	4748N	11040W 792.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.SIDNEY	.DI.	4742N	10410W 588.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.POLSON	.DI.	4741N	11410W 899.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.THOMPSON FALLS	.DI.	4735N	11520W 751.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.GREAT FALLS	.DI.	4731N	11118W1015.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.GREAT FALLS	.A	.4729N	11121W1130.	I(EN) 78-	.	.	.	.	.
.	.	.	.	G(E1) 49-67	.D:US1-SU1,SU2	.H	.H	.	.
.	.	.	.	G(E1) 67-	.D:US1-SU1,SU2	.D	.D	.	.
.	.	.	.	G( ) 78-	.	.	.	.	.
.	.	.	.	S(F) 63-	.MO:SU1-2	.	.	.	.
.JORDAN	.DI.	4719N	10654W 853.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.GLENDIVE	.DI.	4707N	10444W 631.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.LEWISTOWN	.DI.	4704N	10925W1207.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.MISSOULA	.DI.	4652N	11400W 982.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.HELENA	.DI.	4635N	11202W1257.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.HARLOWTON	.DI.	4626N	10950W1270.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.MILES CITY	.DI.	4625N	10549W 72.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.HAMILTON	.DI.	4615N	11409W1097.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.ANACONDA	.DI.	4607N	11257W1625.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.BUTTE	.DI.	4600N	11230W1754.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.HUNTLEY	.	.4555N	10815W 911.	Q+(GD)62-69	.	.	.	.	.
.COLSTRIP	.DI.	4553N	10638W 774.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.BILLINGS	.DI.	4547N	10830W 950.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.BOZEMAN	.DI.	4540N	11102W1449.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.LIVINGSTON	.DI.	4539N	11034W1369.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.ENNIS	.DI.	4521N	11144W1502.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.DILLON	.DI.	4515N	11238W1541.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.RED LODGE	.DI.	4511N	10915W1691.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.WEST YELLOWSTONE	.DI.	4555N	11104W2031.	G/(PH)77-	. US14	.	.	.	.60S,STRIP CH.
.HAVRE	.A	.4833N	10946W 788.	S(F) 61-	.	.	.	.	.
.HAVRE	.A	.4833N	10946W 788.	S(F) 61-	.	.	.	.	.
.MISSOULA	.A	.4655N	11405W 966.	S(F) 60-	.	.	.	.	.
.MISSOULA	.A	.4655N	11405W 966.	S(F) 60-	.	.	.	.	.
.HELENA	.A	.4636N	11200W1181.	S(F) 62-	.	.	.	.	.
.HELENA	.A	.4636N	11200W1181.	S(F) 62-	.	.	.	.	.
.BILLINGS	.A	.4548N	10832W1082.	S(F) 62-	.	.	.	.	.
.BILLINGS	.A	.4548N	10832W1082.	S(F) 62-	.	.	.	.	.

USA - NEBRASKA

2	3.	4		5	6	7.	8.	9.	10
.NORTH OMAHA	.A	.4122N	9601W 403	I(EQ) 56*57-	. US1	.	.	.	.
.	.	.	.	I(EN) 78-	.	.	.	.	.
.	.	.	.	G(E1) 56-	.D:US1-SU1,MO:SU2	.H	.H	.	.
.	.	.	.	G( ) 78-	.	.	.	.	.
.LINCOLN	.A	.4049N	9642W 381.	I(..) 11*47	.US2	.	.	.	.
.	.	.	.	I(E.) 47*59	. US1-2	.	.	.	.
.	.	.	.	G(..) 10-47	.D:US2	.H	.	.	.
.	.	.	.	G(E1) 47-59	.D:US1-2	.H	.H	.	.
.	.	.4051N	9645W 360.	S(F) 60-	.	.	.	.	.
.LINCOLN	.CI.		.	G(E1) 75-75	.	.	.	.	.
.VALENTINE	.A	.4252N	10033W 787.	S(F) 62-	.	.	.	.	.
.OMAHA	.A	.4119N	9554W 298.	S(F) 62-	.	.	.	.	.
.NORTH PLATTE	.A	.4108N	10041W 845.	S(F) 56-	.	.	.	.	.

USA - NEVADA

2	3.	4		5	6	7.	8.	9.	10
.RENO	.AZ.	3940N	11940W1514.	I(EN) 74-	. US12	.	.	.	.
.	.	.	.	G(E2) 74-	. US12	.	.	.	.CHARTS
.RENO	.A	.3930N	11049W1347.	G(E1) 65-	.D:SU1, SU2	.D	.D	.	.
.	.	.	.	S(F) 62-	. SU1-2	.	.	.	.
.ELY	.A	.3917N	11452W1912.	I(EN) 78-	.	.	.	.	.
.	.	.	.	G(E1) 49-67	.D:US1-SU1, SU2	.H	.H	.	.
.	.	.	.	G(E1) 67-73	.D:SU1, SU2	.H	.D	.	.
.	.	.	.	G(E2) 73-	.D:US1-SU1, SU2	.H	.D	.	.
.	.	.	.	D( ) -	.	.	.	.	.
.	.	.	.	S(F) 61-	. SU2	.	.	.	.
.LAS VEGAS	.A	.3605N	11510W 670.	I(EN) 74-	.	.	.	.	.
.	.	.	.	G(E1) 49-73	.D:US1-SU1,	.D	.D	.	.
.	.	.	.		.MO:SU2	.	.	.	.
.	.	.	.	G(E2) 73-	.D:US1-SU1,	.D	.D	.	.
.	.	.	.		.MO:SU2	.	.	.	.
.	.	.	661.	S(F) 63-	.MO:SU1-2	.	.	.	.
.BOULDER CITY	.AZ.	3600N	11458W 762.		.	.	.	.	.CHARTS
.	.	.	.	G(E2) 74-	.	.	.	.	.
.LAKE MEAD	.C	.3559N	11451W 770.	G(E) 52*53	.	.	.	.	.
.LAKE MOJAVE	.C	.3512N	11434W 200.	G(E) 59*61	.	.	.	.	.
.WINNEMUCCA	.A	.4054N	11748W1307.	S(F) 60-	.	.	.	.	.

USA - NEW HAMPSHIRE

2	3.	4		5	6	7.	8.	9.	10
.MOUNT WASHINGTON	.4416N	7118W	1904.	G(E1) 32-36	.D:US2	.D			
.HOPKINTON	.4311N	7141W	121.	I(A) 08*08					
.CONCORD	.4312N	7130W	105.	S(F) 63-					

USA - NEW JERSEY

2	3.	4		5	6	7.	8.	9.	10
.NEW BRUNSWICK	.CJ.	4030N	7428W	45. G(E) 47-61*63-72,76					.CHARTS
.SEABROOK	.A	.3930N	7514W	34. G(E1) 49-57	.D:US1-2	.D	.D		
.TRENTON	.A	.4013N	7446W	58. S(F) 57-					
.ATLANTIC CITY	.A	.3927N	7434W	20. S(F) 58-					

USA - NEW MEXICO

2	3.	4		5	6	7.	8.	9.	10
.SANTA FE	.3541N	10557W	2125.	I(SD) 10*10					
				I( ) 12*22					
.ALBUQUERQUE	.A	.3503N	10637W	1627. I(E1) 41-	US1-2	.*			
				G(E1) 39-73	.D:US1-2-SU1,SU2	.H	.H		.ON TAPE 52-
				G(E2) 73-	.D:US1-SU1, SU2	.H	.H		
				D( ) -					
				S(F) 59-	SU1-2				
.TYRONE				I( ) 38*	US4				
.ALBUQUERQUE	.AQ.	3503N	10640W	1615. I(EN) 73*76-		.M	.X		
				G(E2) 73*76-		.M	.X		
				D(E2)		.M			
.LOS ALAMOS	.CK.			G/(E8)74-			.X		.45860DEGREES
.ALBUQUERQUE	.BU.			I( ) 76-			.X		
				G(E2) 76-			.X		
.FARMINGTON	.BC.			G( ) 73-		.10M.			.INSTANTANEOUS
				G( ) 76-		.10M.			.VALUES
.ROSWELL	.A	.3318N	10432W	1112. S(F) 61-					

USA - NEW YORK

2	3.	4		5	6	7.	8.	9.	10
.OSWEGO	.4329N	7630W		G(K) 73*73					
.SYRACUSE	.CL.	4307N	7607W	124. G(MK) 73					
				S(F) 62-					
.GENEVA RES. FARM	.A	.4253N	7702W	219. G(E2) 72-74	.D:US1,US13	.D	.D		
.GENEVA	.A	.4253N	7700W	180. G(E1) 62-72		.D	.D		.ON TAPE 69-
.SHENECTADY	.A	.4252N	7353W	148. G(E1) 51-59	.D:US1	.D	.D		
.ALBANY	.BK.	4245N	7548N	. I(EN) 78-					
	.A	.4245N	7548W	94. G(E1) 49*51	.D:US1-2	.D			
				89. S(F) 61-	.D:US1				
				G( ) 73-	US13				
	.BK.			G/(E2)79-					.VAR.ANGLES
.ITHACA	.A	.4227N	7628W	290. G(E1) 34-	.D:US1-2-SU1	.H	.D		.HOURLY 34-51
.MONTAUK	.AF.	4103N	7157W	. G(E8) 72-	US13				.CHARTS
.UPTON	.A	.4052N	7253W	23. G(E1) 49-57	.D:US1	.H	.D		
				G(E8) 68-		.X			
.NEW YORK	.A	.4047N	7358W	59. G(E1) 24-74	.D:US1-2-SU1,SU2	.H			
				G(E2) 74-75	.D:SU1	.H	.H		
				S(F)	SU1-2				
.SAYVILLE	.A	.4046N	7305W	17. G(E1) 49-63		.H	.D		.ON TAPE 52-
.NEW YORK	.A	.4043N	7400W	80. G(E1) 49-51	.D:US1				
.BETHPAGE	.AE.			G(E8) 74-75	US13				.CHARTS
.AURORA	.BK.	4244N	7639W	253. G(E1) 70-73	US13	.D			
.CANTON	.BP.	.4434N	7507W	134. G(E1) 70-73	US13	.D			
.LAKE GEORGE	.BK.	4328N	7347W	88. G(E1) 71-74	US13	.D			
.WHITEFACE MT.	.BK.	.4424N	7352W	604. G(K) 72-73	US13	.D			
.ALBANY	.BK.	4242N	7350W	143. G(K) 73-74	US13	.H			
.BROCKPORT	.BK.	.4315N	7758W	126. G(E8) 70-73	US13	.D			
.IKE PARK	.DK.	4045N	7335W	26. G(E8) 73-73	US13	.D			
.FONDA	.BK.	4252N	7426W	122. G(E8) 73-73	US13	.D			
.MAMARONECK	.BK.	4056N	7346W	23. G(E8) 73-73	US13	.D			
.SCHENECTADY	.BK.	4248N	7356W	69. G(E8) 73-73	US13	.D			
.WELFARE ISLAND	.BK.	4046N	7356W	8. G(E8) 73-73	US13	.D			
.ROCHESTER	.A	.4307N	7740W	168. S(F) 61-					
.BUFFALO	.A	.4256N	7844W	214. S(F) 59-					
.BINGHAMTON	.A	.4213N	7559W	494. S(F) 63-					
.NEW YORK	.A	.4026N	7359W	26. S(F) 59-					

USA - NORTH CAROLINA

2	3.	4		5	6	7.	8.	9.	10
.HUMP MOUNTAIN	.3608N	8200W	1500.	I( ) 17-18	US4				
.GREENSBORO	.A	.3605N	7957W	279. G(E1) 49-	.D:US1-SU1, SU2	.D	.D		.ON TAPE 52-
			269.	S(F) 60-	.D:US1, SU1-2				
.RALEIGH	.A	.3547N	7849W	139. I(EN) 78-					
				G(E1) 50-59	.D:US1	.D	.D		.DATA 57-59
				G(E2) 72-75		.D			
				G( ) 76-					
				S(F) 61-	.D:US1				
.ASHEVILLE	.3536N	8232W	667.	I(A) 02*03	US3				
				S(F) 62-	.D:US1				
.BLACK MOUNTAIN	.3536N	8219W	727.	I(A) 03*03	US3				
.CAPE HATTERS	.A	.3516N	7533W	8. G(E1) 49-	.D:US1-SU1, SU2	.H	.H		.ON TAPE 52-
				S(F) 62-	.D:US1, SU1-2				
.SOUTHPORT	.AN.	3355N	7800W	8. G(E8) 75-			.X		
.APEX	.AN.	3539N	7801W	87. G(E8) 73-			.X		
.RESEARCH TRIANGLE PARK	.AH.	3552N	7845W	132. I(E)			.X		
				G(E2) 72-			.X		
				L*(E)75*76			.X		
.CHARLOTTE	.A	.3513N	8056W	233. S(F) 63-					
.WILMINGTON	.A	.3416N	7755W	12. S(F) 63-					

USA - NORTH DAKOTA

2	3.	4	5	6	7.	8.	9.	10
.BISMARCK	.A	.4646N 10045W 511.	G(E1) 50-72	.D:US1-SU1, SU2.	.H	.	.	
			G(E2) 72-	.D:US1-SU1, SU2.D	.H	.	.	
			D( ) -		.	.	.	
			UV( )73-74		.	.	.	.ERYTHEMA SPECT
			S(F) 61-	. SU1-2	.	.	.	
.WILLISTON	.A	.4811N 10338W 577.	S(F) 62-		.	.	.	
.FARGO	.A	.4654N 9648W 272.	S(F) 56-		.	.	.	

USA - OHIO

2	3.	4	5	6	7.	8.	9.	10
.PUT-IN-BAY	.A	.4139N 8250W 187.	G(E1) 42-53	.D:US1-2	.H	.D	.	.ON TAPE 52-53
.CLEVELAND	.A	.4124N 8151W 265.	G(E1) 49-72	.D:US1-2-SU1,SU2.		.D	.	.ON TAPE 52-
			G(E2) 72-75	.D:US1-SU1, SU2.		.D	.	
			G( )	.D: US1	.	.	.	
			S(F) 62-	. SU1-2	.	.	.	
.COLUMBUS	.A	.4000N 8301W 245.	G(E1) 48-59	.D: US1	.H	.D	.	.ON TAPE 52-57
	.	.3958N 8300W 245.	G(E1) 43-43	.	.D	.	.	
	.	.4000N 8253W 252.	S(F) 59-	.D:US1	.	.	.	
.FAYETTEVILLE	.AS	.3911N 8355W .	UV(EU)66+69	.D:US5	.H	.	.	.STRIP CHART
.CINCINNATI	.AP	.3907N 8431W 190.	G(E1) 68-69	.D:US5	.H	.	.	
			G(E2) 68-69	.D:US5	.H	.	.	
			UV(EU)67-69	.D:US5	.	.	.	
			S(F) 61-	.D:US1	.	.	.	
.COSHOCTON	.CP.		G(E8) 72-	.	.H	.	.	.CHART.
.TOLEDO	.A	.4136N 8348W 210.	S(F) 61-	.	.	.	.	
.DAYTON	.A	.3954N 8412W 304.	S(F) 63-	.	.	.	.	

USA - OKLAHOMA

2	3.	4	5	6	7.	8.	9.	10
.STILLWATER	.A	.3609N 9705W 300.	G(E1) 67-67	.D:SU1	.H	.D	.	.ON TAPE 52-
	.	.3608N 9704W 273.	G(E1) 50-66	.D:US1-SU1	.H	.D	.	
.OKLAHOMA CITY	.A	.3524N 9736W 397.	G(E1) 49-73	.D:US1-SU1, SU2.D		.D	.	.ON TAPE 52-75
			G(E2) 73-75	.D:SU1, SU2	.D	.D	.	
			S(F) 62-	. SU1-2	.	.	.	
.TULSA	.A	.3612N 9554W 205.	S(F) 56-		.	.	.	

USA - OREGON

2	3.	4	5	6	7.	8.	9.	10
.ASTORIA	.A	.4609N 12353W 7.	G(E1) 53-	.D:US1-SU1	.D	.D	.	
.PORTLAND	.BH	.4530N 12240W 6.	G/(E8)76-		.	.X	.	
.TIGARD	.BH	.4525N 12245W .	G/(LI)75-		.	.	.	
.GLADSTONE	.BE	.4521N 12235W .	G/(E8)76-		.	.X	.	
.CARTY WEST	.BE	.4530N 12030W 204.	G(E8) 73-		.	.X	.	
.BANKS	.BE	.45..N .	G/(E8)76-		.	.X	.	
.SALEM	.BE	.4455N 123..W 70.	G/(E8)77-	. US18	.	.X	.	
.CORVALIS	.A	.4433N 12313W 72.	G(E1) 56-66	.D:US1	.D	.D	.	
	.BN	.4436N 12313W 91.	G(E2) 73-		.	.	.	
			G/(E2)79-		.	.	.	.VAR.ANGLES
.PEBBLE SPRINGS	.BE	.44..N 120..W 228.	G(E8) 74-		.	.X	.	
.BEND	.BF	.4404N 12130W1097.	G(S) 77-		.	.	.	.STRIP CHART
.EUGENE	.BF	.4402N 12304W 152.	G(S) 74-		.	.	.	
			G/(E2)77-		.	.	.	
.COOS BAY	.BF	.4319N 12420W 15.	G(S) 77-		.	.	.	.STRIP CHART
.GARDEN VALLEY	.BG	.4310N 12323W 128.	G( ) 70-		.	.	.	.STRIP CHART
.MELROSE	.BG	.4310N 12252W 228.	G( ) 71-		.	.	.	
.MEDFORD	.A	.4222N 12252W 402.	I(EN) 78-		.	.	.	
			G(E1) 49-67	.D:US1-SU1,MO:SU.	H	.H	.	.ONTAPE 52-
			G( ) 67-74	.D:SU1,MO:SU2	.D	.D	.	
			G( ) 78-		.	.	.	
.MYRTLE CREEK	.BG	.4303N 12304W 362.	G( ) 71*		.	.	.	.CHART
.GRANTS PASS	.BH	.4225N 12320W 282.	G(LI) 76-		.	.X	.	
.LA GRANDE	.BF	.4519N 11805W 847.	G(S) 77-		.	.	.	.STRIP CHART
.PORTLAND	.A	.4536N 12236W 12.	G(R) 74-	. US18	.	.	.	.CHART
			S(F) 60-		.	.	.	

USA - PENNSYLVANIA

2	3.	4	5	6	7.	8.	9.	10
.STATE COLLEGE	.A	.4048N 7752W 375.	G(E1) 41-	.D:US1-2	.H	.D	.	.ON TAPE 52-
.BETHLEHEM	.AR	.4036N 7523W 118.	G(E8) 75-		.	.	.	
.PITTSBURG	.A	.4022N 7956W 280.	G(E1) 29-35		.D	.	.	
	.	.4027N 8000W 279.	G(E1) 35-36		.D	.	.	
			I(EN) 78-		.	.	.	
			G( ) 78-		.	.X	.	
.AVOCA	.A	.4120N 7544W 287.	S(F) 57-		.	.	.	
.PITTSBURG	.A	.4030N 8013W 371.	S(F) 63-		.	.	.	
.HARRISBURG	.A	.4013N 7651W 106.	S(F) 62-		.	.	.	
.PHILADELPHIA	.A	.3953N 7515W 9.	S(F) 63-		.	.	.	

USA - PUERTO RICO

2	3.	4	5	6	7.	8.	9.	10
.RIO PEFRAS	.	.1824N 6604W 4.	G(E1) 55-62		.D	.	.	
.SAN JUAN	.A	.1826N 6600W 19.	S(F) 60-		.	.	.	
					.	.	.	

USA - RHODE ISLAND

2	3	4	5	6	7	8	9	10
.PROVIDENCE	.4144N	7125W 57.	I(A) 01*02					
.	.4144N	7126W 1.	S(F) 60-	.D:US1				
.NEWPORT	.A .4130N	7119W 16.	G(E1) 37-66	.D:US1-2, US13	.D	.D		.ON TAPE 52-
.	.	.	G(E2) 66-	.D:US1-2, US13	.D,H	.D		
.PROVIDENCE	.DM.41 N	7130W 61.	G( ) 73-					

USA - SOUTH CAROLINA

2	3	4	5	6	7	8	9	10
.HARTSVILLE	.AH.3423N	8002W 72.	G(E8) 74*75-			.X		
.CHARLESTON	.A .3254N	8002W 21.	G(E1) 49-	.D:US1-SU1, SU2.H		.H		.ON TAPE 52-
.	.	15.	S(F) 61-	.D:US1, SU1-2				
.BLACKVILLE	.AO.3322N	8119W 99.	G(R) 68-		.D			
.CLEMSON	.AI.3441N	8242W 250.	G(R) 64-76		.D			
.POINTIAC	.AY.3408N	8052W 134.	G(R) 65-76		.D			
.AIKEN	.CA.3317N	8142W 44.	G(E8) 74-					.CHARTS
.GREENVILLE	.A .3454N	8213W 294.	S(F) 62-					
.COLUMBUS	.A .3357W	8107W 68.	S(F) 62-					

USA - SOUTH DAKOTA

2	3	4	5	6	7	8	9	10
.BROOKINGS	.A .4419N	9648W 507.	G(E1) 69-	.D:US1	.D	.D		.ON TAPE 70-
.RAPID CITY	.A .4409N	10306W 972.	G(E1) 49-50	.D:US1	.D			
.	. .4403N	10304W 969.	G(E1) 50-72	.D:US1-SU1, SU2.D		.D		.ON TAPE 52-75
.	.	.	G(E2) 72-75	.D:SU1, SU2	.D	.D		
.	.	.	S(F)	. SU1-2				
.HURON	.A .4423N	9813W 391.	S(F) 65-					

USA - TENNESSEE

2	3	4	5	6	7	8	9	10
.KINGSPORT	.A..3633N	8236W 367.	G( ) 75*76					.CHARTS
.NASHVILLE	.A .3607N	8641W 187.	I(EN) 78-					
.	.	.	G(E1) 42-	.D:US1-2-SU1, SU.H		.H		.ON TAPE 52-
.	.	.	G( ) 78-					
.	.	.	S(F) 56-	.MO:,SU1-2				
.CLINTON	.M .3606N	8410W 317.	G(E8) 69-			.X	.X	
.OAK RIDGE	.A .3601N	8414W 287.	G(E1) 49-73	.D:US1-SU1, SU2.H		.D		.ON TAPE 52-
.	.	.	G(E2) 73-	.D:US1-SU1, SU2.H		.D		
.OAK RIDGE	.C6.3601N	8414W 287.	I( ) 77-			.X		
.	.	.	G(E) 53-					.CHART
.	.	.	G(SO) 71-73			.X		
.	.	.	UV( )77-			.X		
.CUMBERLAND CITY	.M .3623N	8738W 200.	G(E8) 71-			.X	.X	
.DAISY	.M .3513N	8506W 227.	G(E8) 71-			.X	.X	
.KINGSTON	.M .3554N	8431W 260.	G(E8) 75-			.X	.X	
.NEW JOHNSONVILLE	.M .3601N	8759W 120.	G(E8) 75-			.X	.X	
.WATTS BAR	.M .3535N	8447W 217.	G(E8) 73-			.X	.X	
.KNOXVILLE	.A .3549N	8359W 297.	S(F) 60-					
.CHARRANOOGA	.A .3502N	8512W 209.	S(F) 56-					
.MEMPHIS	.A .3502N	9000W 86.	S(F) 63-					

USA - TEXAS

2	3	4	5	6	7	8	9	10
.FORT WORTH	.A .3249N	9721W 175.	G(E1) 49-53	.D:US1,MO:SU2	.H	.H		.ON TAPE 52-74
.	. .3250N	9703W 175.	G(E) 53-74	.D:US1-SU1, SU2.H		.H		
.BIG SPRINGS	.A .3214N	10130W 789.	G(E1) 49-53	.	.D	.D		
.STEPHENVILLE	.A .3213N	9828W 794.	G(E1) 74-	.D:SU1	.H	.H		
.MIDLAND	.A .3156N	10212W 874.	I(EN) 78-					
.	.	.	G(E1) 53-	.D:US1-SU1, SU2.D		.D		
.	.	.	G( ) 76-					
.EL PASO	.A .3148N	10642W1205.	I(EN) 76-					
.	.	.	G(E1) 49-74	.D:US1-SU1, SU2.H		.H		.ON TAPE 52-
.	.	.	G(E2) 74-	.D:US1-SU1	.H	.H		
.	.	1187.	S(F) 62-	.MO:SU1-2				
.FORT HOOD	.K .3105N	9751W 320.	I( ) 74-		.X			
.	.BU.	.	G(E2) 76-					
.	.	.	G/( )					
.	.	.	GX( )					
.	.	.	Q*( )					
.COLLEGE STATION	.A .3039N	9616W 92.	G(E1) 48-50	.D:US1-2				
.	.CC.3036N	9620W 17.	G(E) 66*		.H			
.	.	.	G/(E2)73		.H			
.	.	.	GX(E2)73		.H			
.SAN ANTONIO	.A .2932N	9828W 258.	G(E) 49-74	.D:US1-SU1, SU2.D		.D		.ON TAPE 52-
.	.	.	S(F) 63-	. SU1-2				
.	.BM.	.	I(EN)					
.	.BK.	.	G(E2) 76-					
.	.	.	G/(E2)79-					.VAR.ANGLES
.HONDO	. .2921N	9910W 289.	G(E1) 75-	.D:SU1	.D	.D		
.	.	.	S(F)	. SU1				
.BROWNSVILLE	.A .2554N	9726W 15.	G(E1) 49-	.D:US1-SU1, SU2.D		.D		.ON TAPE 52-
.	.	.	G( )					
.	.	.	D( ) -					
.	.	6.	S(F) 63-	. SU1-2				
.AMARILLO	.A .3514N	10142W1092.	S(F) 63-					
.LUBBOCK	.A .3339N	10149W 982.	S(F)					
.ABILENE	.A .3225N	9941W 542.	S(F) 62-					
.AUSTIN	.A .3018N	9742W 188.	S(F) 63-					
.HOUSTON	.A .2958N	9521W 33.	S(F)					
.PORT ARTHUR	.A .2957N	9401W 7.	S(F) 65-					
.GALVESTON	.A .2918N	9448W 16.	S(F) 62-					
.CORPUS CHRISTI	.A .2746N	9730W 13.	S(F) 60-					

USA - UTAH

2	3.	4		5	6	7.	8.	9.	10
.FLAMING GORGE	.A	.4056N 10925W	1911.	G(E1) 59-70	.D:US1-SU1	.H	.D	.	.
				G(E1) 70-74	.D:US1-SU1	.D	.D	.	.
				G(E2) 74-	.D:US1-SU1	.D	.D	.	.
.SALT LAKE CITY	.A	.4046N 11154W	1313.	G(E1) 46-66	.D:US1-2-SU1	.D	.D	.	.HOURLY IN TAB
				I(EN) 78-					
		.4046N 11158W	1288.	G(E1) 66-74	.D:SU1, SU2	.D	.D	.	.46-52,59-66;
				G( ) 78-					.ON TAPE 52-53,
				S(F) 62-	. SU1-2				.59-
.TOOELE		.4030N 11220W		G(E) 44-		.D			
.VERNAL		.4026N 10930W	1582.	G(E8) 70-		.D			
.LOGAN	.CD.	4145N 11150W	1487.	G(K) 68-					.STRIP CHART
.MILFORD	.A	.3826N 11301W	1525.	S(F)					

USA - VERMONT

2	3.	4		5	6	7.	8.	9.	10
.BURLINGTON	.A	.4428N 7309W	111.	I(EN) 78-					
				G(E1) 62-	.D:SU1,MO:SU2	.D	.D	.	
				G( ) 78-					
			103.	S(F) 64-	.D:US1,MO:SU1-2				

USA - VIRGINIA

2	3.	4		5	6	7.	8.	9.	10
.MOUNT WEATHER		.3904N 7753W	537.	I(A) 07*11	. US3				
				I( ) 11*14	. US3				
				G(CL) 12-14	. US3	.D			
.STERLING	.A	.3659N 7728W	86.	I(EN) 78-					
				G(E1) 60-	.D:US1-SU1, SU2	.H			
				G( )	.D:US1-SU1, SU2.				
				G( ) 78-					
				D( )					
.GLOUCESTER POINT	.A	.3715N 7630W	18.	G(E1) 71-	.D:US1	.D	.D	.	
.HAMPTON	.AK.	3704N 7608W		G(S) 74-					.CHARTS
.CAMP LEE				G( )	. US4				
.WALLOPS ISLAND	.AL.			G( )					
.WARRENTON	.AM.			G/(HC)75-			.X		.CHARTS
.RICHMOND	.A	.3730N 7720W	54.	S(F) 61-					
.LYNCHBURG	.A	.3720N 7912W	284.	S(F) 62-					
.NORFOLK	.A	.3654N 7612W	9.	S(F) 63-					

USA - WASHINGTON

2	3.	4		5	6	7.	8.	9.	10
.FRIDAY HARBOR		.4832N 12301W	5.	G(E1) 32-42	.D:US2	.D			
.SEATTLE U. OF WASH.	.A	.4739N 12218W	68.	I(EN) 78-					
				G(E1) 50-74	.D:US1	.D	.D	.	.ON TAPE 52-74
				G( ) 78-					
.SPOKANE	.A	.4737N 11731W	726.	G(E1) 49-65	.D:US1-SU1, SU2.D		.D	.	.ON TAPE 52-
		.4738N 11732W	718.	G(E1) 65-	.D:SU1, SU2	.D	.D	.	
				S(F) 62-	. SU1-2				
.SEATTLE-TACOMA	.A	.4727N 12218W	137.	G(E1) 49-67	.D:US1-SU1, SU2.H		.H	.	.ON TAPE 52-
				G(E1) 67-73	.D:US1-SU1, SU2.		.D	.	
				G(E2) 73-	.D:US1-SU1	.D	.D	.	
				D( ) -					
				S(F) 60-	. SU1-2				
.LIND	.AV.	4700N 11833W		G( ) 74-		.D			
.PULLMAN	.AV.	4646N 11712W	775.	G(E8) 74-		.D			
.PULLMAN	.A	.4644N 11710W	786.	G(E1) 55-73	.D:US1	.D	.D	.	.ON TAPE 55-70
.HANFORD	.AT.	4635N 11913W	223.	I( )					
				G(E1) 53-					.CHART
.RICHLAND	.AT.	4634N 11935W	223.	G(E1) 53-	.D:US1	.D	.D	.	.ON TAPE 65-
	.AW.	4619N 11916W	114.						
.NORTH HEAD	.A	.4618N 12405W	221.	G(E1) 49-53	.D:US1	.D	.D	.	.ON TAPE 52-53
.PROSSER	.A	.4615N 11945W	255.	G(E1) 53-74	.D:US1	.D	.D	.	
	.AX.	4612N 119..W	206.	G(E) 65-					
.WEST ROOSEVELT	.AU.			G(E8) 76-					.STRIP CHART
.QUILLAYATTE	.A	.4757N 12433W	62.	S(F)					
.WALLA WALLA	.A	.4602N 11820W	300.	S(F) 62-					

USA - WASHINGTON D.C.

2	3.	4		5	6	7.	8.	9.	10
.WASHINGTON D.C.AM.UNIV.		.3856N 7705W	137.	I( ) 14*					
			127.	I( ) 14-40	. US2				
			127.	I( ) *40					
			121.	G(R) 14-	. US2	.D			
			137.	G(CL) 14-22	. US2				
			137.	G( ) 22-	. US2	.D			
			137.	G(E1) 42-53	.D:US1-2	.D			
.WASHINGTON D.C. WBO	.A	.3854N 7703W	46.	I(A) 01*14					
			36.	I(A) 03-10					
			46.	I(E) 54*59					
				G(R) 09-14		.D			
				G(CL) 09-12					
				G(E1) 50-58					
				S(F) 58-					
.WASHINGTON D.C. (S.I.)	.AB.	3853N 7702W	10.	I( ) 02-	. US4				
				GX(E2)68-72	. US6				

USA - WEST VIRGINIA

2	3	4	5	6	7	8	9	10
PARSONS	F	3906N 7939W	509. G(K) 65*72-		M			STRIP CHART
TRAPP		3903N 7750W	228. I(SD) 09*09					
PARKERSBURG	A	3916N 8134W	193. S(F) 60-					

USA - WISCONSIN

2	3	4	5	6	7	8	9	10
MADISON	A	4309N 8924W	297. I( ) 11*47	US2				
		4309N 8924W	297. I(E) 47*53	US1				
		4308N 8920W	271. I(E) 53*	US1				
			I(EN) 78-					
		4309N 8924W	297. G( ) 11-47	US2	H			
		4309N 8924W	297. G(E1) 47-53	D:US1-2	H	H		ON TAPE 52-
		4308N 8920W	271. G(E1) 53-	D:US1-SU1, MO:SU2	D	H,H		
			G( ) 78-					
			G/( )77-					
			262. S(F) 60-	MO:SU1-2				
GREEN BAY	A	4429N 8808W	213. S(F) 62-					
MILWAKEE	A	4257N 8754W	210. S(F) 63-					

USA - WYOMING

2	3	4	5	6	7	8	9	10
LANDER	A	4248N 10843W	1699. I(EN) 78-					
			G(E1) 49-	D:US1-SU1, MO:SU2	D	D		ON TAPE 52-
			G( ) 78-					
			S(F) 63-	MO:SU1-2				
ROCK SPRINGS	BB	4140N 10845W	2090. I(MK) 71*		10M			INSTANTANEOUS
			D(MK) 71*		10M			
LARAMIE	A	4118N 10534W	2211. G(E1) 57-	D:US-SU1	D,H	D		
	DA		I(EN) 78-					
			G(E2) 78-		H			
			G/(E2)78-		H			
			GX(E2)78-		H			
			D(E2) 78-		H			
SHERIDAN	A	4446N 10658W	1202. S(F) 63-					
CHEYENNE	A	4109N 10449W	186 . S(F) 63-					

REGION V
SOUTH WEST PACIFIC

2	3	4		5	6	7	8	9	10
.DARWIN	.A	.1228S 13050E	15.	G(R) 57-68,70-71	.MO:SU2	.D		.13	
				G(E) 68-74	.MO:SU2	.3OM.			
				S(C) 67-73	.MO:SU2	.H	.H		
		.1225S 13053E		G(E) 74,76-		.3OM.			
.COASTAL PLAINS,N.T.	.B	.1236S 13120E		G(K) 70-72		.D			
				S(C) 65-67		.H	.H		
.KATHERINE,N.T.	.B	.1428S 13218E		G(K) 68-		.D			
.KIMBERLEY RESEARCH,W.A.	.B	.1547S 12842E		G(K) 70-		.D			
.WILLIS IS.	.A	.1618S 14959E	8.	G(B)) [illegible]74-77		.8CM.		.7	
.MAREEBA,QLD.	.C	.1701S 14528E		G(K) 72-75		.D			
.HALL'S CREEK	.A	.1814S 12740E	425.	G(E) 69-		.3OM.		.6	
				S(C) 70-		.H	.H		
.TOWNSVILLE AIRPORT	.A	.1915S 14646E	6.	G(R) 53-68,71-	.MO:SU2	.D		.24	
				S(C) 57-	.MO:SU2	.H	.H		
.TOWNSVILLE	.B	.1919S 14646E		G(K) 71-		.H			
				G/(K) 71-		.H			.20 DEGREES
				D(K) 78-		.H			
				D/(K) 78-		.H			.20 DEGREES
.PORT HEDLAND	.A	.2023S 11837E	7.	G(E) 68-		.3OM.		.24	
				D(E) 71-		.3OM.			
.ROCKHAMPTON	.A	.2323S 15029E	8.	G(E) 73-		.3OM.		.24	
				D(E) 74-		.3OM.			
.LONGREACH	.A	.2326S 14416E	190.	G(E) 68-		.3OM.	3OM.	7	
				G(R) 71-		.D			
.EMERALD,QLD.	.D	.2328S 14809E		G(R) 67-69		.D			
.ALICE SPRINGS	.A	.2349S 13353E	542.	G(R) 53-71	.MO:SU2	.D		.24	
				G(E) 68-	.MO:SU2	.3OM.	3OM.		
				D(E) 74-		.3OM.	3OM.		
				S(C) 54-	.MO:SU2	.H	.H		
.GLADSTONE		.2351S 15116E	75.	G( ) 64-66	.MO:SU2				
.NAMBOUR	.D	.2638S 15256E	30.	G( ) 73-		.D			
				S(C) 65-		.H	.H		
.SAMFORD,QLD.	.B	.2722S 15253E		G( ) 71-		.D			
.OODNADATTA	.A	.2733S 13527E	113.	G(E) 69-		.3CM.	3OM.	13	
				S(C) 51-		.H	.H		
.GERALDTON	.A	.2348S 11442E	34.	G(E) 68-		.3OM.	3OM.		
				D(E) 71-		.3OM.	3OM.		
.WOLLONGBAR				G(K) 72-76		.D			
				R(K) 75					
				Q*(FU)72-76		.D			
				S( )					
.COOBER PEDY,S.A.	.B	.2902S 13442E		G(K) 47-58		.D			
				G(K) 67-73		.H			
.FORREST	.A	.3050S 12806E	160.	G(E) 69-		.3CM.	3OM.	21	
.KALGOORLIE	.A	.3047S 12128E		G(E) 79-		.3OM.	3OM.		
				D(E) 79-		.3OM.	3OM.		
.WOOMERA	.A	.3109S 13648E	165.	G(E) 68-		.3CM.	3OM.	19	
				S(C) 51-		.H	.H		
.PEARCE	.A	.3141S 11601E	40.	G(E) 72-75		.3OM.	3OM.	12	
				D(E) 72-75		.3OM.	3OM.		
.MURESK,W.A.	.B	.3144S 11641E	166.	G(K) 66-72	.MO:SU2	.H			
				G( ) 78-	.MO:SU2	.D			
				S(C) 62-76	.MO:SU2	.H	.H		
.PERTH-GUILDFORD	.A	.3156S 11558E	12.	G(R) 53-75	.MO:SU2	.D		.24	
				G(E) 75-		.3OM.	3OM.		
				D(E) 75-		.3OM.	3OM.		
.WILLIAMTOWN	.A	.3249S 15150E	6.	G(R) 53-71		.D			
				G(E) 60-	.MO:SU2	.3OM.	3OM.	24	
				S(C) 57-	.MO:SU2	.H	.H		
.KULNURRA,N.S.W.	.L	.3314S 15112E		G(K) 70-71		.D			
.ORANGE	.A	.3320S 14904E	930.	G( ) 77-		.D			
				S(C) 76-		.H	.H		
.KENSINGTON	.F	.3354S 15108E		G(K) 69-		.H			
				D(K) 69-		.H			
.MILDURA	.A	.3414S 14205E	50.	G(E) 69-		.3OM.	3OM.	22	
				D(E) 71-		.3OM.	3OM.		
.GRIFFITH,N.S.W.	.B	.3417S 14601E	125.	G(K) 67-	.D:SU1,MO:SU2	.H			
				G/( )75		.H			.30 DEGREES
				G/( )77-		.H			.34 DEGREES
				D(K) 67-73		.H			
				D/( )76-		.H			.34 DEGREES
				S(C) 62-	.MO:SU2	.H	.H		
.ALBANY	.A	.3457S 11748E	68.	G(E) 66-		.3OM.	3OM.	22	
				D(E) 71-		.3OM.	3OM.		
.WAGGA WAGGA	.A	.3507S 14728E	218.	G(E) 68-		.3OM.	3OM.	21	
				D(E) 72-		.3OM.	3OM.		
				S(C) 65-		.H	.H		
.CANBERRA	.A	.3516S 14907E	564.	G( ) 76-		.D			
				S(C) 74-		.H	.H		
.WAMBROOK		.3611S 14853E	1311.	G( ) -65	.MO:SU2				
.MT. GAMBIER	.A	.3746S 14046E	63.	G(E) 66-		.3OM.	3OM.	20	
				D(E) 71-		.3OM.	3OM.		
				S(C) 66-		.H	.H		
.HAMILTON	.A	.3749S 14204E	205.	G( ) 74-		.D			
				S(C) 65-		.H	.H		
.MELBOURNE	.A	.3750S 14458E	38.	G(R) 53-67,70-76	.MO:SU2	.D		.8	
				G(E) 67-		.3OM.	3OM.		
				D(E) 69-74		.3OM.	3OM.		
				S(C) 55-65		.H	.H		
.MOUNT MERCER	.A	.3750S 14353E		S( ) 78-		.D			
.LAVERTON	.A	.3753S 14445E	14.	G(E) 68-	.MO:SU2	.3OM.	3OM.	22	
				D(E) 75-		.3OM.	3OM.		
				S(C) 67-	.MO:SU2	.H	.H		
.HIGHETT,VIC.	.B	.3757S 14502E		G(E) 66-		.H	.H		.ON TAPE 66-
				G/(E)66-		.H	.H		.LAT.ANGLE
				D(E) 66-		.H	.H		
				D/(E)66-		.H	.H		.LAT.ANGLE
.ASPENDALE	.B	.3802S 14506E	5.	I(A)				.3	
				I(SD)					
				I(LF) 65*					.TB
				I( ) 68-		.H	.H		
				IX(..)					.INTERV.100NM
				G(K) 65-	.D:SU1,MO:SU2	.H	.H		
				D(K) 67-		.H	.H		
				Q*(..)66-		.D			.GRASS
				Q*(FU)68-	.H:SU1,MO:SU2	.H	.H		
				UV(CU)67-		.H	.H		.290-385 NM
				S(C) 65-	.MO:SU2	.D			
.HOBART AIRPORT	.A	.4250S 14730E	8.	G(E) 67-		.3OM.	3OM.	24	
				D(E) 71-		.3OM.	3OM.		
				S(C) 68-		.H	.H		
.MACQUARIE ISLAND	.A	.5430S 15857E	6.	G(E) 68-		.3OM.	3OM.	8	
				D(E) 71-		.3OM.	3OM.		
				S(C) 48-53,64-		.H	.H		

FIJI

2	3.	4		5	6	7.	8.	9.	10
NANDI	1746S	17721E	15.	G(E1) 57- S(C)	D:SU1,MO:NZ1, MO:SU1-2	H		.24	MO:SU2

INDONESIA

2	3.	4		5	6	7.	8.	9.	10
MEDAN/POLONIA	334N	9841E	25.	G( ) S( )				.20	
MENADO	A 132N	12455E		G(E) 77- S( )				.24	
SENTANI/DJAJAPURA	B 234S	14029E	96.	G(K) 57- S(C) 56-				.16	
PALEMBANG/TALANGBETUTU	254S	10442E	10.	G( ) S( )				.24	
BANJARMASIN/SYAMSUDDIN.	327S	11445E	20.	G( ) S( )				.24	
JAKARTA	A 611S	10650E	25.	G(K) 64-76 G(E) S( )	MO:SU2	H H		.24	
LEMBANG/BANDUNG	A 650S	10737E	1.	G(K) S( )	MO:SU2			.7	
SEMARANG/ AHMADYANI	659S	11023E	3.	G( ) S( )				.24	
MERAUKE/MOPAH	A 823S	14023E	3.	G( ) S( )				.16	
DENPASAR/NGURAH-RAI	A 845S	11513E	6.	G(K) 70- S( )	MO:SU2			.24	
KUPANG/PENFUI	A 1009S	12336E	20.	G(K) 72- S( )	MO:SU2			.24	

JOHNSTON ISLAND

2	3.	4		5	6	7.	8.	9.	10
JOHNSTON ISLAND	US 1644N	16931W	3. 5.	G(E) 74- S(F) 62-	D:US1-SU1 MO:SU1	H	H	.24	

MALAYSIA

2	3.	4		5	6	7.	8.	9.	10
KOTA BARU	A 610N	10217E	5.	G(K) S(C)	D:SU1 MO:SU1	H	H	.24	
KUALA TRENGGANU	A 520N	10308E	35.	G(K) S(C)		H	H	.24	
PENANG	A 513N	10016E	3.	G(K) S(C)	D:SU1 MO:SU1	H	H	.48	
IPOH	A 434N	10106E	39.	G(K) S(C)		H	H	.24	
CAMERON HIGHLANDS	A 428N	10123E	1471.	G(K) S(C)		H	H	.12	
SITIAWAN	A 413N	10042E	7.	G(K) S(C)		H	H	.24	
KUALA LUMPUR	A 307N	10133E	17.	G(K) S(C)	D:SU1,MO:SU2 MO:SU1-2	H	H	.48	
MERSING	A 227N	10350E	45.	G(K) S(C)		H	H	.7	
MALACCA	A 216N	10215E	6.	G(K) S(C)		H	H	.24	
KLUANG	A 201N	10319E	88.	G(K) S(C)		H	H	.24	

MARSHALL ISLANDS

2	3.	4		5	6	7.	8.	9.	10
KWAJALEIN ISLAND	US 843N	16744E	3.	G( ) 49-52					ON TAPE 74-75
	844N	16744E	8.	G( ) 52-			H		
MAJURO ISLAND	US 705N	17123E	3.	G(E) 74-	D:,SU1	H	D	.20	
				S(F) 63-	MO:SU1				

NEW ZEALAND

2	3.	4		5	6	7.	8.	9.	10
KAITAIA	A 3504S	17317E	80.	G(R) 69- S(C)	MO:NZ1	D	D	.21	
PUKETURUA	A 3540S	17405E	101.	G(R) 66-75	MO:NZ1	D	D		
LEIGH	A 3616S	17448E	27.	G(R) 72-	MO:NZ1	D	D		
PURUKOHUKOHU	A 3626S	17613E	631.	G(R) 72-77	MO:NZ1	D	D		
WHENUAPAI	A 3647S	17438E	26.	G(E1) 54-69 S(C) -69	MO:NZ1-SU2 SU2	H	D	.15	
AUCKLAND AIRPORT	A 3701S	17448E	8.	G(E1) 69- S(C)	MO:NZ1-SU2,D:SU MO:SU1-2	H	D	.24	
RUKUHIA	A 3750S	17518E	66.	G(R) 60- S(C)	MO:NZ1	D	D		
ROTORUA AERODROME	A 3807S	17619E	287.	G(R) 69- S(C)	MO:NZ1	D	D	.20	
OTUTIRA	A 3838S	17549E	579.	G(R) 67-75 S(C)	MO:NZ1	D	D		
GISBORNE AERODROME	A 3840S	17759E	4.	G(R) 69- S(C)	MO:NZ1	D	D	.20	
MAKAHU SADDLE	A 3917S	17624E	974.	G(R) 69-75	MO:NZ1	D	D		
OHAKEA	A 4012S	17523E	48.	G(E1) 54- S(C)	MO:NZ1-SU2,D:SU MO:SU1-2	H	D	.24	

NEW ZEALAND

2	3	4		5	6	7	8	9	10
LEVIN	A	4039S 17516E	46.	G(E1) 71-	M0:NZ1	H	D		
				S(C)					
PAUTAHANUI	A	4107S 17454E	30.	G(R) 76-	M0:NZ1	D	D		
TAITA	A	4111S 17458E	65.	G(E1) 66-68	SU2				
NELSON AERODROME	A	4117S 17314E	2.	G(R) 69-	M0:NZ1	D	D	.22	
				S(C)					
KELBURN-WELLINGTON	A	4117S 17446E	125.	G(E1) 54-	M0:NZ1-SU2,D:SU	H	D	.24	.020NE
				D(E1) 77-	M0:NZ1	H	D		
				S(C)	M0:SU1-2				
KAIKOURA	A	4225S 17342E	99.	G(R) 69-	M0:NZ1	D	D	.16	
HOKITIKA AERODROME	A	4243S 17059E	39.	G(R) 69-	M0:NZ1	D	D	.20	
				S(C)					
SKI BASIN	A	4308S 17141E	1154.	G(R) 69-74	M0:NZ1	D	D		
CRAIGIEBURN	A	4309S 17143E	914.	G(R) 64-	M0:NZ1	D	D	.1	
CHRISTCHURCH	A	4330S 17233E	30.	G(E1) 60-	M0:NZ1-SU2,D:SU	H	D	.24	
				S(C)	M0:SU1-2				
WINCHMORE	A	4346S 17148E	160.	G(R) 60-	M0:NZ1	D	D		
				S(C)					
MT. JOHN	A	4359S 17028E	1027.	G(E1) 66-	M0:NZ1-SU2,D:SU	H	D	.5	
				S(C)	M0:SU1-2				
ALEXANDRA	A	4516S 16923E	141.	G(R) 65-	M0:NZ1	D	D	.1	
				S(C)					
DUNEDIN AIRPORT	A	4556S 17012E	1.	G(R) 69-	M0:NZ1	D	D	.24	
				S(C)					
INVERCARGILL AERODROME	A	4625S 16820E	0.	G(E1) 54-	M0:NZ1-SU2,D:SU	H	D	.24	
				S(C)	M0:SU1-2				

PAPUA NEW GUINEA

2	3	4		5	6	7	8	9	10
RABAUL	A	0413S 15215E	13.	G(R) 55-63,73	M0:SU2	D		.14	
				S(C)					
PORT MORESBY	A	929S 14709E	41.	G(E) 65-	M0:SU2	H		.48	
				D(E) 66-		H			
				S(C) 57-	M0:SU2				

PHOENIX ISLANDS

2	3	4		5	6	7	8	9	10
CANTON ISLAND	US	2405 17143E	4.	G(E1) 63-67	M0:SU2	H	D		ON TAPE 62-67

PHILIPPINES

2	3	4		5	6	7	8	9	10
BAGUIO CITY	A	1625N 12036E	1482.	G(K) 71-	H:PH1	H	H	.8	
				S(C)	H:PH1	H			
HACIENDA LUISITA	D	1527N 12038E	30.	G( )	H:PH1	H			
				S(C)	H:PH1	H			
MANILA	B	1436N 12105E		I( ) 72-		*			
QUEZON CITY	A	1436N 12104E	70.	G(E1) 60-70	D:SU1	H			
				G(K) 70-	H:PH1,D:SU1	H	H		
				S(C)	H:PH1,M0:SU1				
CUYAMDAY	A	1430N 12117E	4.	G(R)					
				S(C)	H:PH1	H			
LOS BANOS	F	1413N 12115E	23.	G(E1)		H	H		
				S(C)	H:PH1	H			
CATARMAN	C	1231N 12440E	4.	G(K) 72-		H	H	.8	
				S(C)	H:PH1	H			
VICTORIAS MILLING CO.	A	1053N 12304E	18.	G(JP) 71-	H:PH1	H			
				S(C)	H:PH1	H			
KABACAN	C	0726N 12413E	20.	G( )					
				S(C)		H			
LAOAG CITY	A	1011N 12032E	2.	S(C)	H:PH1	H			
TUGUEGARAO	A	1737N 12103E	24.	S(C)	H:PH1	H			
AMBULONG	A	1405N 12102E	10.	S(C)	H:PH1	H			
ZAMBOANGA CITY	A	0654N 12204E	6.	S(C)	H:PH1	H			

SAMOA

2	3	4		5	6	7	8	9	10
APIA	A	1343S 17147W	2.	G(R) 75-	M0:NZ1	D		.7	
				S(C)					
PAGO PAGO	US	1415S 17343W	9.	I(EN) 76-					
				G(E2) 76-			A	.24	.GLA.
				GX(E2)76-			X		.GG22,OG1,RCB
				S(F)					

SINGAPORE

2	3	4		5	6	7	8	9	10
SINGAPORE AIRPORT	A	122N 10355E	32.	G(R) 65-	D:SU1,M0:SU2			.24	
				S(C)	M0:SU1-2				

TIMOR

2	3	4		5	6	7	8	9	10
DILI	A	835S 12535E	4.	I( ) *	*P1			.11	.061,RG2
				G(R) -67	D:P1-SU1,M0:SU2				
				G(E) 70-	D:P1-SU1,M0:SU2				
				S(C)	M0:P1-SU1-2				

WAKE

2	3	4		5	6	7	8	9	10
WAKE ISLAND	US	1917N 16639E	4.	G(E) 50-	D:SU1,M0:SU2	H	D	.24	.HOURLY ON TAPE
				S(F)	M0:SU1-2				FROM 74-

REGION VI
EUROPE

ALBANIA

2	3.	4		5	6	7.	8.	9.	10
.SHKODER	.A	.4206N 1932E 43.	G(R)	76-		.D	.	.	
			R(K)	76-		.D	.	.	
			S(C)				.	.	
.PESHKOPI	.A	.4141N 2026E 657.	G(R)	76-		.D	.	.	
			S(C)				.	.	
.TIRANA	.A	.4120N 1947E 89.	I(Y)				.	.	
			G(R)	65-71		.D	.	.	
			G(K)	71-		.D	.	.	
			D(Y)				.	.	
			R(K)	71-			.	.	
			S(C)				.	.	
.FIER	.A	.4044N 1931E 12.	G(R)			.D	.	.	
			S(C)				.	.	
.ERSEKE	.A	.4020N 2041E1030.	G(R)	68-		.D	.	.	
			S(C)				.	.	
.XARRE	.A	.3943N 2003E 4 .	G(R)	71-75		.D	.	.	
			G(K)	75-		.D	.	.	
			R(K)	75-		.D	.	.	
			S(C)				.	.	

AUSTRIA

2	3.	4		5	6	7.	8.	9.	10
.RETZ	.A	.4846N 1558E 243.	G(R)	57-78	.D:A1,MO:A2		.	.	
			G(S)	78-			.	.6	
			S(C)	48-	.MO:A2		.	.	
.DUERNSTEIN	.C	.4824N 1530E 20 .	G(S)	59-67,74-	.H:A1,MO:A2	.H	.	.	
.ASCHACH	.B	.4823N 1402E 282.	G(S)	60-69*74-	.H:A1,MO:A2	.H	.	.3	
			S(C)			.H	.	.	
.ALTENWOERTH	.A	.4822N 1551E 195.	G(S)	79-			.	.	
.OBERSIEBENBRUNN	.A	.4816N 1643E 150.	G(S)	56-60,64-	.H:A1,D:SU1,	.H	.	.3	.MO:A2-SU2
			D(S)	66-		.H	.	.	
			G*(FU)	67-	.H:A1-SU1, SU2	.H	.	.	.GRASS
			S(C)	53-	.MO:A2-SU1-2	.H	.	.	
			R(S)	64-		.H	.	.	
.WIEN-HOHE WARTE	.A	.4815N 1622E 202.	I(A)				.	.9	
			I(SD)				.	.	
			I(MI)				.	.	.OG1,RG2
			I(LF)	*			.	.	.OG1,RG2,QUA.
			G(S)	48-	.H:A1,D:A2-SU1,	.H	.	.	
					.SU2		.	.	
			G(R)	32,38-47			.	.	
			D(S)	49-74	.H:A1,D:A2	.H	.	.	
			G*(FU)	63-66			.	.	
			E(BL)		.D:A2		.	.	
			S(C)	1880-	.D:A2,MO:SU1-2	.H	.	.	
.YBBS-PERSENBEUG	.B	.4811N 1504E 228.	G(S)	56-66,67-	.H:A1,MO:A2		.	.	
.PETZENKIRCHEN	.A	.4809N 1509E 252.	G(R)	48-63	.D:A1,MO:A2		.	.	
			G(S)	68-72			.	.	
			S(C)	46-			.	.	
.STEYR	.A	.4804N 1436E 309.	G(S)	56-	.H:A1,D:SU1,	.H	.	.3	.MO:A2-SU2
			D(S)	59-68		.H	.	.	
			S(C)	56-	.MO:A2-SU1-2	.H	.	.	
.NEUSIEDL AM SEE	.A	.4757N 1651E 116.	G(S)	50-58	.MO:A2		.	.	
			S(C)	26*30-41*48-			.	.	
.GMUNDEN	.D	.4755N 1347E 425.	G(S)	56-70,73-	.H:A1,MO:A2	.H	.	.5	
			S(C)	29-	.MO:A2	.H	.	.	
.LUNZ AM SEE	.A	.4751N 1504E 615.	G(R)	37-40			.	.2	
			G(S)	48-68	.H:A1,MO:A2-SU2		.	.	
					.D:SU1		.	.	
			S(C)	27-			.	.	
.FEUERKOGEL	.A	.4749N 1344E1598.	G(S)	64-	.H:A1,MO:A2-SU2	.H	.	.6	
					.D:SU1,		.	.	
			S(C)	30-	.MO:A2-SU1-2	.H	.	.	
.SALZBURG	.A	.4748N 1300E 435.	I(LF)	*			.	.48	.OG1,RG2-8,QUA.,
			G(S)	57-	.H:A1,MO:A2-SU2	.H	.	.	.D:SU1
			D(S)	70-	.H:A1,MO:A2	.H	.	.	
			R(S)	70-		.H	.	.	
			S(C)	33-35,40-45,54	.MO:A2-SU1-2	.H	.	.	
.PUCHBERG	.A	.4747N 1554E 590.	G(S)	63-67	.D:A1,MO:A2		.	.	
.SEMMERING	.A	.4739N 1550E 985.	G(R)	57-66	.D:A1		.	.3	
			S(C)				.	.	
.ADMONT	.F	.4735N 1427E 641.	G(R)	48-55	.MO:A2		.	.	
			S(C)	36-55			.	.	
.BAD MITTERNDORF	.A	.4733N 1357E 803.	G(S)	77-			.	.	
.KRIPPENSTEIN	.A	.4731N 1342E2050.	G(S)	57-	.H:A1,MO:A2	.H	.	.3	
			S(C)	57-	.MO:A2	.H	.	.	
.MONICHKIRCHEN	.A	.4731N 1603E 955.	G(S)	57-70	.D:A1,MO:A2-SU2		.	.5	.D:SU1
			S(C)		.MO:SU1-2		.	.	
.IRDNING-GUMPENSTEIN	.F	.4730N 1406E 710.	G(R)	55-76	.D:A1,MO:A2	.D	.	.3	
			S(C)	54-	.MO:A2	.H	.	.	
.FUSSACH	.A	.4729N 0940E 400.	G(S)	61-64	.H:A1,MO:A2		.	.	
			S(C)				.	.	
.PERTISAU	.A	.4726N 1142E 933.	G(R)	53-69	.D:A1,MO:A2		.	.	
			S(C)				.	.	
.ST.VEIT-GRAFENHOF	.A	.4719N 1310E 766.	G(R)	56-60	.D:A1,MO:A2		.	.	
			S(C)	25*27-37*40			.	.	
.FELDKIRCH	.A	.4716N 0936E 439.	G(S)	65-68,79-			.	.	
.INNSBRUCK	.E	.4716N 1124E 578.	I(MI)				.	.3	
			I(LF)				.	.	.OG1,RG2-8
			G(R)	50-57			.	.	
			G(S)	58-	.H:A1,MO:A2-SU2		.	.	
					.D:SU1		.	.	
			D(S)	74-			.	.	
			G*(SH)				.	.	
			S(C)	1898-	.MO:A2-SU1-2		.	.	
.RINN	.A	.4715N 1129E 900.	G(R)	43-	.MO:A2	.D	.	.3	
			G(S)	60-	.H:A1,D:A3	.H	.	.	
			E(BL)				.	.	
			S(C)	43-	.MO:A2-3	.H	.	.	
.PATSCHERKOFEL	.A	.4713N 1127E2045.	G(S)	59-64	.H:A1,MO:A2		.	.13	
			S(C)	35*41-43*46-			.	.	
.SONNBLICK	.A	.4703N 1575E3106.	I(LF)	*			.	.6	.OG1,RG2-8,QUA.
			G(R)	37-46	.A4		.	.	
			G(S)	57-	.H:A1,MO:A2-SU2	.H	.	.	.D:SU1
			G/(S)				.	.	.60S
			D(S)	68-73,76-	.H:A1,MO:A2	.H	.	.	
			S(C)	1887-	.MO:A2-SU1-2	.H	.	.	
.HOCHSERFAUS	.A	.4702N 1036E1817.	G(R)	67-75			.	.	
.GRAZ-THALERHOF	.A	.4659N 1527E 342.	G(S)	62-	.H:A1,MO:A2-SU2	.H	.	.48	.D:SU1
			S(C)	69-	.MO:A2-SU1-2	.H	.	.	
.OBERGURGL	.A	.4652N 1102E1950.	G(S)	57-59		.H	.	.	
			S(C)	53-			.	.	
.LIENZ	.A	.4649N 1247E 670.	G(S)	78-			.	.	
.KLAGENFURT	.A	.4639N 1420E 448.	G(R)	31-44	.A4		.	.48	
			G(S)	57-	.H:A1,MO:A2-SU2	.H	.	.	.D:SU1
			S(C)	39-49,52-	.MO:A2-SU1-2	.H	.	.	

2	3.	4		5		6	7.	8.	9.	10
.SCHOENFELD A.D.WILD	.A	.4846N	1524E 585.	S(C)			.H	.	.	.
.SCHLAEGL	.A	.4838N	1358E 546.	S(C)	69-		.H	.	.	.
.HOHENAU	.A	.4837N	1656E 155.	S(C)			.H	.	.	.
.STIFT ZWETTL	.A	.4837N	1512E 531.	S(C)			.H	.	.	.
.SCHLEINBACH	.A	.4835N	1626E 199.	S(C)	68-		.H	.	.	.
.LANGENLOIS	.A	.4828N	1542E 210.	S(C)	65-		.H	.	.	.
.OBERNEUKIRCHEN	.A	.4827N	1421E 685.	S(C)	67-		.H	.	.	.
.KREMS A.D.DONAU	.A	.4825N	1536E 227.	S(C)			.H	.	.	.
.MATZEN	.A	.4824N	1642E 189.	S(C)	68-		.H	.	.	.
.REICHERSBERG	.A	.4820N	1323E 350.	S(C)			.H	.	.	.
.PABNEUKIRCHEN	.A	.4820N	1450E 595.	S(C)	70-		.H	.	.	.
.HOERSCHING	.A	.4814N	1411E 297.	S(C)	60-		.H	.	.	.
.ENNS	.A	.4813N	1429E 260.	S(C)			.H	.	.	.
.GALLSPACH	.A	.4812N	1349E 390.	S(C)	66-		.H	.	.	.
.ASPACH	.A	.4811N	1318E 442.	S(C)	69-		.H	.	.	.
.AMSTETTEN	.A	.4807N	1452E 339.	S(C)			.H	.	.	.
.WOLFSEGG	.A	.4806N	1340E 650.	S(C)	64-		.H	.	.	.
.POYSDORF	.A	.4840N	1637E 218.	S(C)	65-		.H	.	.	.
.KREMSMUENSTER	.A	.4803N	1408E 388.	S(C)			.H	.	.	.
.BADEN	.A	.4801N	1614E 260.	S(C)	65-		.H	.	.	.
.GROSSRAMING	.A	.4753N	1431E 376.	S(C)			.H	.	.	.
.MONDSEE	.A	.4752N	1321E 488.	S(C)			.H	.	.	.
.WEYER	.A	.4752N	1440E 410.	S(C)	68-		.H	.	.	.
.WIENER NEUSTADT	.A	.4748N	1616E 271.	S(C)			.H	.	.	.
.MARIAZELL	.A	.4746N	1519E 875.	S(C)	70-		.H	.	.	.
.BAD ISCHL	.A	.4743N	1337E 490.	S(C)			.H	.	.	.
.BAD GOISERN	.A	.4738N	1337E 500.	S(C)	67-		.H	.	.	.
.VILS	.A	.4734N	1036E 835.	S(C)	65-		.H	.	.	.
.ABTENAU	.A	.4734N	1321E 710.	S(C)	64-		.H	.	.	.
.BAD MITTERNDORF	.A	.4733N	1357E 803.	S(C)	65-		.H	.	.	.
.AFLENZ	.A	.4733N	1514E 780.	S(C)	67-		.H	.	.	.
.KIRCHBICHL	.A	.4731N	1205E 498.	S(C)	69-		.H	.	.	.
.HAHNENKAMM	.A	.4726N	1222E1760.	S(C)			.H	.	.	.
.JENBACH	.A	.4723N	1145E 530.	S(C)	69-		.H	.	.	.
.BAD TATZMANNSDORF	.A	.4720N	1614E 360.	S(C)			.H	.	.	.
.SONNENALM/ZELL AM SEE	.A	.4720N	1246E1376.	S(C)			.H	.	.	.
.SCHMITTENHOHE	.A	.4720N	1244E1964.	S(C)			.H	.	.	.
.ZELL AM SEE	.A	.4719N	1248E 754.	S(C)			.H	.	.	.
.RECHBERG	.A	.4716N	1526E 926.	S(C)	70-		.H	.	.	.
.FELDKIRCH	.A	.4715N	0935E 439.	S(C)			.H	.	.	.
.IMST	.A	.4714N	1045E 785.	S(C)			.H	.	.	.
.ZELL AM ZILLER	.A	.4714N	1155E 585.	S(C)			.H	.	.	.
.RAURIS	.A	.4713N	1300E 945.	S(C)			.H	.	.	.
.SEMRIACH	.A	.4713N	1524E 720.	S(C)	68-		.H	.	.	.
.OBERWOELZ	.A	.4712N	1417E 810.	S(C)			.H	.	.	.
.SCHOECKL	.A	.4712N	1528E1436.	S(C)			.H	.	.	.
.ST.RADEGUND	.A	.4711N	1529E 725.	S(C)			.H	.	.	.
.MARIAPFARR	.A	.4709N	1345E1120.	S(C)			.H	.	.	.
.UMHAUSEN	.A	.4708N	1056E1036.	S(C)	47-		.H	.	.	.
.STOLZALPE	.A	.4708N	1412E1305.	S(C)			.H	.	.	.
.ST.MICHAEL/LUNGAU	.A	.4706N	1338E1096.	S(C)	68-		.H	.	.	.
.NEUMARKT	.A	.4705N	1426E 842.	S(C)	67-		.H	.	.	.
.GRAZ-UNI.	.A	.4705N	1527E 377.	S(C)			.H	.	.	.
.LUENERSEE	.A	.4704N	0945E197 .	S(C)	63-		.H	.	.	.
.PRUTZ	.A	.4704N	1040E 870.	S(C)	67-		.H	.	.	.
.PIOESMES	.A	.4703N	1052E1410.	S(C)	62-		.H	.	.	.
.KOPS	.A	.4658N	1007E1829.	S(C)	63-		.H	.	.	.
.FLATTNITZ	.A	.4657N	1402E1415.	S(C)	70-		.H	.	.	.
.FRIESACH	.A	.4657N	1425E 636.	S(C)			.H	.	.	.
.OBERVELLACH	.A	.4656N	1314E 778.	S(C)	70-		.H	.	.	.
.NAUDERS	.A	.4654N	1030E1360.	S(C)	59-		.H	.	.	.
.BAD GLEICHENBERG	.A	.4653N	1554E 300.	S(C)			.H	.	.	.
.VENT	.A	.4652N	1056E1904.	S(C)			.H	.	.	.
.LIENZ	.A	.4650N	1247E 668.	S(C)			.H	.	.	.
.WOLFSBERG-RED.	.A	.4650N	1451E 440.	S(C)			.H	.	.	.
.RADENTHEIN	.A	.4647N	1342E 685.	S(C)			.H	.	.	.
.DIEX	.A	.4645N	1437E1159.	S(C)			.H	.	.	.
.KLOECH	.A	.4645N	1600E 340.	S(C)	71-		.H	.	.	.
.DELLACH	.A	.4644N	1305E 620.	S(C)			.H	.	.	.
.TECHENDORF	.A	.4643N	1318E 946.	S(C)			.H	.	.	.
.WEISSENSEE-NEUSACH	.A	.4643N	1320E 941.	S(C)	54-		.H	.	.	.
.ST.LORENZEN	.A	.4642N	1247E1160.	S(C)	63-		.H	.	.	.
.LAAS	.A	.4642N	1259E 800.	S(C)			.H	.	.	.
.WEISSBRIACH	.A	.4641N	1315E 817.	S(C)	66-		.H	.	.	.
.KANZELHOEHE	.A	.4641N	1354E1526.	S(C)			.H	.	.	.
.LEUTSCHACH	.A	.4640N	1528E 345.	S(C)	64-		.H	.	.	.
.VELDEN	.A	.4637N	1402E 535.	S(C)			.H	.	.	.
.VILLACH-SEEBACH	.A	.4637N	1353E 492.	S(C)	69-		.H	.	.	.
.VILLACHERALPE	.A	.4636N	1340E2140.	S(C)			.H	.	.	.
.FERLACH	.A	.4632N	1418E 470.	S(C)			.H	.	.	.

BELGIUM & LUXEMBOURG

2	3.	4		5		6	7.	8.	9.	10
.OOSTENDE	.A	.5112N	252E 5.	G(E1)	68-	.D:B2	.30M.	30M.	24	.
				S(C)	59-	.D:B1	.	.	.	.
.LEMBERGE	.A	.5059N	346E 25.	G(E)		.	.	.	.	.
				S(C)	60-	.D:B1	.	.	.	.
.MELLE	.A	.5059N	350E 15.	G(E8)	67-	.D:B2	.30M.	30M.	.	.
				S(C)	65-	.D:B1	.	.	.	.
.UCCLE	.A	.5048N	421E 105.	I(A)		.	.	.	8	.
				I(A)		.	.	.	.	.
				I(E)		.	.	.	.	.
				I(..)		.	.	.	.	.
				I(LF)	51-	.30M:B2	.30M.	30M.	.	.TBL
				G(E1)	51-	.D:SU1	.	.	.	.
				G(D)	71-	.	.	.	.	.
				GX(..)	76-	.	.30M.	30M.	.	.6WAVEL.
				D(V.)	51-	.30M:B2	.30M.	30M.	.	.
				Q*(FU)	71-	.30M:B2	.	.	.	.
				Q*(SF)		.	.	.	.	.
				UV(EU)	58-	.30M:B2	.	.	.	.290-390NM
				E(E)	70-	.	.H	.	.	.
				S(C)	01-	.12H:B1,30M:B2	.30M.	30M.	.	.
				S(..)	51-	.30M:B2	.	.	.	.
.VAL BENOIT	.A	.5037N	534E 90.	G(E.)		.	.	.	.	.
				S(C)	61-	.D:B1	.	.	.	.
.ODEIGNE	.A	.5015N	544E 640.	G(E8)	68-	.D:B2	.30M.	30M.	.	.
				S(C)	65-	.D:B1	.H	.	.	.
.SAINT-HUBERT	.A	.5002N	524E 558.	G(E8)	62-	.D:B2	.30M.	30M.	24	.
				S(C)	59-	.D:B1	.H	.	.	.
.DAVERDISSE	.A	.5001N	507E 295.	G(E8)	73-	.	.D	.	.	.
.LA CUISINE	.A	.4943N	514E 305.	G(E8)	73-	.	.D	.	.	.

BELGIUM & LUXEMBOURG

2	3	4		5	6	7	8	9	10
.OORDEREN	.A .5118N	419E	3. S(C)	59-	.	.H	.	.	
.MOL	.A .5113N	506E	40. S(C)	62-	.	.H	.	.	
.SIJSELE	.A .5112N	319E	10. S(C)	60-	.	.H	.	.	
.KLEINE BROGEL	.A .5111N	528E	55. S(C)	59-	.	.H	.	.48	
.WEVELGEM-MUNTE	.A .5056N	344E	25. S(C)	59-	.	.H	.	.3	
.GORSEM	.A .5049N	510E	40. S(C)	61-	.	.H	.	.	
.JUPRELLE	.A .5043N	530E	. S(C)	67-	.	.H	.	.	
.COINTE	.A .5037N	534E	100. S(C)	67-	.	.H	.	.	
.SART-TILMAN	.A .5036N	535E	242. S(C)	66-	.	.H	.	.	
.CHIEVRES	.A .5035N	350E	62. S(C)	59-	.	.H	.	.	
.GEMBLOUX	.A .5035N	442E	165. S(C)	60-	.	.H	.	.	
.BOTRANGE	.A .5030N	606E	693. S(C)	59-	.	.H	.	.6	
.GOSSELIES	.A .5028N	427E	187. S(C)	60-	.	.H	.	.	
.DOURBES	.A .5006N	436E	224. S(C)	59-	.	.H	.	.	
.CARLSBOURG	.A .4954N	505E	397. S(C)	62-	.	.H	.	.	
.LUXEMBOURG	.A .4937N	612E	376. S(C)	60-	.	.H	.	.48	

BULGARIA

2	3	4		5	6	7	8	9	10
.PLEVEN	.A .4327N	2434E	131. G(R)	59-	.D:SU1,MO:SU2	.	.	.8	
.VARNA	.A .4312N	2755E	14. G(R)	56-	.D:SU1,MO:SU2	.	.	.8	
.	. .		. S(C)	32-	.SU1-2	.	.	.	
.SOFIA	.A .4241N	2320E	586. I(Y)		.	.	.	.8	
.	. .		. G(R)	55-	.D:SU1,MO:SU2	.	.	.	
.	. .		. G(K)		.	.	.	.	
.	. .		. D(K)		.	.	.	.	
.	. .		. Q*(Y)		.	.	.	.	
.	. .		. Q+(Y)		.	.	.	.	
.	. .		. S(C)		.MO:SU1-2	.	.	.	
.CHERNI VRAH	.A .4235N	2315E	2286. G(R)	54-	.D:SU1,MO:SU2	.	.	.	
.	. .		. S(C)	36-	.MO:SU1-2	.	.	.	
.CHIRPAN	.A .4212N	2528E	175. G( )		.	.	.	.8	
.	. .		. S(C)	31-	.	.	.	.	
.KURDJALI	.A .4139N	2522E	240. G(R)		.D:SU1,MO:SU2	.	.	.8	
.	. .		. S(C)	31-	.MO:SU1-2	.	.	.	

CYPRUS

2	3	4		5	6	7	8	9	10
.PRODROMOS FORESTRY C.	.A .3457N	3250E	1380. G(R)	59-	.	.H	.	.	
.	. .		. S(C)	59-	.	.H	.	.	
.LARNACA AIRPORT	.A .3453N	3338E	2. S(C)		.	.	.	.24	
.PAPHOS	.A .3445N	3224E	9. S(C)		.	.	.	.24	

CZECHOSLOVAKIA

2	3	4		5	6	7	8	9	10
.HRADEC KRALOVE	.A .5011N	1550E	286. I(A)		.	.	.	.24	.OZONE
.	. .		. I(MI)	54*	.	.	.	.	.OG1,RG2
.	. .		. G(R)	53-63	.	.D	.	.	
.	. .		. G(K)	63-	.D:SU1,MO:SU2	.H	.	.	
.	. .		. G(BS)	56-75	.	.D	.	.	
.	. .		. D(K)	64-	.	.H	.	.	
.	. .		. R(K)	66-	.	.H	.	.	
.	. .		. Q*(SH)	66-70,76-	.H:SU1,MO:SU2	.H	.	.	
.	. .		. Q*(FU)	70-76	.H:SU1,MO:SU2	.H	.	.	
.	. .		. UV(EU)	71-74,77-	.	.H	.	.	
.	. .		. S(C)	52-	.MO:SU1-2	.H	.	.	
.PRAHA	.A .5004N	1426E	262. G(K)		.D:SU1,MO:SU2	.	.	.	
.	. .		. S(C)		.MO:SU1-2	.	.	.	
.STRBSKE PLESO	.A .4907N	2004E	1330. G(K)		.D:SU1,MO:SU2	.	.	.5	
.	. .		. S(C)		.MO:SU1-2	.	.	.	
.BRATISLAVA-KOLIBA	.A .4810N	1706E	289. I(LF)	54*	.	.*	.	.	.OG1,RG2-8
.	. .		. G(R)	57-64	.	.D	.	.	
.	. .		. G(K)	65-	.	.H	.	.	
.	. .		. G(BS)	52-	.	.D	.	.	
.	. .		. D(K)	65-	.	.H	.	.	
.	. .		. Q*(FU)	73-76	.	.H	.	.	
.	. .		. S(C)	54-	.	.H	.	.	

DENMARK

2	3	4		5	6	7	8	9	10
.TRSTRUP	.B .5540N	1218E	28. G(K)	55-	.D:DK3-SU1, SU2	.H	.10M	.X	.10M INT. OF
.	. .		. D(K)	67-	.	.H	.10M	.	.TEMP.HUM.WIND
.	. .		. R(K)	67-	.	.	.10M	.	
.	. .		. Q*(..)	55-	.H:SU1, SU2	.H	.10M	.	
.	. .		. S(C)		.MO:SU1-2	.	.	.	
.HJORTEKAER	.C .5546N	1232E	20. G/(.)	60*37	.	.H	.H	.24	.VERT.THROUGH
.	. .		.		.	.	.	.	.WINDOW TOW.SUN
.LENDUM	.A .5725N	1016E	69. S(C)	73-	.MO:DK1	.H	.H	.3	.
.TYLSTRUP	.A .5711N	957E	13. S(C)	15-	.MO:DK1	.H	.H	.3	.
.SILSTRUP	.A .5656N	839E	43. S(C)	76-	.MO:DK1	.H	.H	.3	.
.ERSLEV	.A .5650N	844E	25. S(C)	50-61,62-	.MO:DK1	.H	.H	.3	.
.ANHOLT	.A .5642N	1133E	5. S(C)	60-	.MO:DK1	.H	.H	.6	.
.BOVBJERG	.A .5631N	807E	41. S(C)	91-44,61-	.MO:DK1	.H	.H	.3	.
.STANGHEDE	.A .5623N	919E	63. S(C)	23-	.MO:DK1	.H	.H	.3	.
.ODUM	.A .5618N	1008E	61. S(C)	60-	.MO:DK1	.H	.H	.3	.
.HESSELÖ	.A .5612N	1143E	18. S(C)	59-	.MO:DK1	.H	.H	.3	.
.LYNGVIG FYR	.A .5603N	806E	6. S(C)	51-	.MO:DK1	.H	.H	.6	.
.SPOTTRUP STRAND	.A .5556N	1016E	1. S(C)	74-	.MO:DK1	.H	.H	.3	.
.DOVLING	.A .5555N	856E	30. S(C)	74-	.MO:DK1	.H	.H	.3	.
.VAERLOSE	.A .5546N	1219E	18. S(C)	70-	.MO:DK1	.H	.H	.24	.
.ROSNAES	.A .5545N	1052E	13. S(C)	60-	.MO:DK1	.H	.H	.6	.
.RISU	.A .5542N	1205E	2. S(C)	68-	.MO:DK1	.H	.H	.24	.
.TOLDBODEN/KOPENHAVN	.A .5541N	1236E	20. S(C)	87-	.MO:DK1	.H	.H	.3	.
.LEDREBORG ALLE	.A .5537N	1203E	46. S(C)	69-	.MO:DK1	.H	.H	.3	.

DENMARK

2	3.	4		5	6	7.	8.	9.	10
.VESTERVANG	.A	.5536N	836E	27. S(C) 70-	.MO:DK1	.H	.H	.3	.
.BRAKKER	.A	.5535N	924E	55. S(C) 69-	.MO:DK1	.H	.H	.3	.
.ASKOV	.A	.5528N	907E	64. S(C) 24-	.MO:DK1	.H	.H	.3	.
.DROSSELBJERG	.A	.5528N	1113E	15. S(C) 71-	.MO:DK1	.H	.H	.3	.
.AARUP	.A	.5523N	1002E	60. S(C) 71-	.MO:DK1	.H	.H	.3	.
.FLAKKEBJERG	.A	.5520N	1123E	33. S(C) 73-	.MO:DK1	.H	.H	.3	.
.CHRISTIANSO	.A	.5519N	1511E	13. S(C) 55-73	.MO:DK1	.H	.H	.8	.
.AARSLEV	.A	.5518N	1027E	48. S(C) 16-72	.MO:DK1	.H	.H	.3	.
.TYSTOFTE	.A	.5515N	1120E	13. S(C) 14-	.MO:DK1	.H	.H	.3	.
.TYSTOFTE HUSE	.A	.5515N	1120E	14. S(C) 74-	.MO:DK1	.H	.H	.3	.
.OSTERLARS	.A	.5509N	1456E	114. S(C) 75-	.MO:DK1	.H	.H	.3	.
.VEJRO	.A	.5502N	1122E	3. S(C) 58-	.MO:DK1	.H	.H	.3	.
.FELSTED	.A	.5458N	934E	68. S(C) 73-	.MO:DK1	.H	.H	.3	.
.HOJER H.V.	.	.		. S(C) 36-	.MO:DK1	.H	.H	.3	.
.JYNDEVAD	.A	.5454N	908E	15. S(C) 60-	.MO:DK1	.H	.H	.3	.
.NAESGARD	.A	.5452N	1207E	17. S(C) 13-	.MO:DK1	.H	.H	.3	.
.ABED	.A	.5450N	1120E	8. S(C) 69-	.MO:DK1	.H	.H	.3	.
.MAR.BO	.A	.5446N	1129E	. S(C) 27-	.MO:DK1	.H	.	.	.
.KELDSNOR	.A	.5444N	1043E	9. S(C) 64-	.MO:DK1	.H	.H	.8	.

FINLAND

2	3.	4		5	6	7.	8.	9.	10
.UTSJOKI-KEVO	.A	.6945N	2702E	107. I(Y) 71*	.	.*	.	.	.
.	.	.		. G(K) 71-	.D:SF1	.H	.	.	.
.	.	.		. D(K) 71-	.	.H	.	.	.
.	.	.		. S(C) 70-	.D:SF1	.H	.	.	.
.SODANKYLA	.A	.6722N	2639E	178. I(A) 73*	.	.*	.	.8	.
.	.	.		. I(SD) 57*73	.	.*	.	.	.
.	.	.		. G(K) 52-	.D:SF1-2-3-4-SU1	.H	.	.	.MO:SU2
.	.	.		. D(K) 57-	.D:SF2-3	.H	.	.	.
.	.	.		. R(K) 57-	.D:SF2-3	.H	.	.	.
.	.	.		. Q*(SF)60-	.H:SF2-SU1, SU2	.H	.	.	.
.	.	.		. S(C) 50-	.	.H	.	.	.
.KAJAANI	.A	.6417N	2741E	140. G(Y) 73-	.	.H	.	.	.
.	.	.		. S(C) 58*	.	.*	.	.	.
.JYVASKYLA-LUONETJARVI	.A	.6224N	2540E	141. I(MI) 60*	.	.*	.	.24	.
.	.	.		. I(Y) 75*	.	.*	.	.	.
.	.	.		. G(K) 50-	.	.H	.	.	.
.	.	.		. D(K) 58-	.	.H	.	.	.
.	.	.		. R(K) 58-	.	.H	.	.	.
.	.	.		. Q*(SF)71-	.	.H	.	.	.
.	.	.		. S(C) 57-	.	.H	.	.	.
.JOKIOINEN	.A	.6049N	2330E	103. I(A) 56*	.	.*	.	.8	.
.	.	.		. G(R) 57-	.	.	.	.	.
.	.	.		. G(K) 57-	.D:SF1-2-SU1,SF3	.H	.	.	.MO:SU2
.	.	.		. D(K) 57-	.D:SF2,SF3	.H	.	.	.
.	.	.		. R(K) 57-	.D:SF2,SF3	.H	.	.	.
.	.	.		. Q*(SF)58-	.H:SF2-SU1, SU2	.H	.	.	.
.	.	.		. S(C) 51-	.D:SF1-2,	.H	.	.	.MO:SU1-2
.LOVISA	.A	.6025N	2620E	. G(K) 71-79	.	.	.X	.X	.AUT.STATION
.	.	.		. Q*(SF)71-	.	.	.X	.	.
.	.	.		. S(SW) 71-	.	.	.X	.	.
.PERNAJA	.A	.6024N	2605E	. G(K) 73-	.	.	.10M.	CON	.AUT.STATION
.	.	.		. G/(K) 80-	.	.	.10M.		.90N,E,S,W
.	.	.		. G/(K) 80-	.	.	.10M.		.60S
.	.	.		. D(K) 80-	.	.	.10M.		.
.	.	.		. R(K) 80-	.	.	.10M.		.GRASS
.	.	.		. Q*(SF)80-	.	.	.10M.		.
.	.	.		. S(C) 73-	.	.	.10M.		.
.	.	.		. S(UR) 73-	.	.	.10M.		.
.PIIKKIO-YLTOINEN	.A	.6023N	2233E	28. I(Y) 73*	.	.*	.	.	.
.	.	.		. G(K) 67-	.D:SF1-2	.H	.	.	.
.	.	.		. D(K) 71-	.D:SF2	.H	.	.	.
.	.	.		. S(C) 27-	.D:SF1-2	.H	.	.	.
.HELSINKI	.A	.6019N	2458E	55. G(K) 71-	.D:SF1	.H	.	.24	.
.	.	.		. D(K) 71-	.	.H	.	.	.
.	.	.		. R(K) 71-	.	.H	.	.	.
.	.	.		. Q*(SF)71-	.	.H	.	.	.
.	.	.		. S(C) 61-	.D:SF1	.H	.	.	.
.HELSINKI-ILMALA	.A	.6012N	2455E	46. G(E) 57-69	.D:SF1-2-SU1,SF3	.H	.	.	.MO:SU2
.	.	.		. G(K) 77-	.	.H	.	.	.
.	.	.		. D(E) 57-69	.D:SF2,SF3	.H	.	.	.
.	.	.		. D(K) 77-	.	.H	.	.	.
.	.	.		. Q*(SF)61-69	.H:SF2-SU1,SU2	.	.	.	.
.	.	.		. S(C) 11-	.D:SF1-2,	.H	.	.	.MO:SU1-2
.HELSINKI-SAATALO	.A	.6010N	2457E	26. I(A) 56*	.	.*	.	.	.
.	.	.		. I(SD) 58*	.	.*	.	.	.
.	.	.		. G(K) 69-	.D:SF1-2	.H	.	.	.
.	.	.		. G(E) 70-	.	.	.	.	.
.	.	.		. D(K) 69-	.D:SF2	.H	.	.	.
.	.	.		. S(C) 61-	.D:SF2	.H	.	.	.
.IVALO	.A	.6836N	2725E	145. S(C) 57-	.D:SF1-2	.H	.	.24	.
.PELLO	.A	.6648N	2400E	84. S(C) 70-	.D:SF1	.H	.	.8	.
.ROVANIEMI	.A	.6634N	2550E	198. S(C) 61-	.D:SF1-2	.H	.	.24	.
.KUUSAMO	.A	.6558N	2911E	262. S(C) 64-	.D:SF1-2	.H	.	.8	.
.KEMI	.A	.6547N	2435E	18. S(C) 57-	.D:SF2	.H	.	.24	.
.OULU	.A	.6456N	2522E	14. S(C) 61-	.D:SF1-2	.H	.	.24	.
.VAALA-PELSO	.A	.6431N	2628E	113. S(C) 60-	.D:SF2	.H	.	.	.
.KAJAANI	.A	.6417N	2741E	142. S(C) 58-	.D:SF1-2	.H	.	.24	.
.HAAPAJARVI	.A	.6345N	2520E	87. S(C) 66-	.D:SF2	.H	.	.	.
.VALASSAARET	.A	.6326N	2104E	4. S(C) 70-	.	.H	.	.	.
.VAASA	.A	.6303N	2146E	4. S(C) 57-	.D:SF1-2	.H	.	.24	.
.KUOPIO-RISSALA	.A	.6301N	2748E	9 . S(C) 61-	.D:SF1-2	.H	.	.24	.
.YLISTARO	.A	.6256N	2230E	26. S(C) 28-	.D:SF1-2	.H	.	.	.
.JOENSUU	.A	.6240N	2938E	119. S(C) 61-	.D:SF1-2	.H	.	.24	.
.KIHNIO	.A	.6212N	2319E	157. S(C)	.D:SF2	.H	.	.	.
.PERTUNMAA	.A	.6136N	2625E	137. S(C) 72-	.	.H	.	.	.
.TAMPERE	.A	.6128N	2344E	92. S(C) 67-	.D:SF1-2	.H	.	.	.
.PORI	.A	.6128N	2148E	13. S(C) 66-	.D:SF1-2	.H	.	.24	.
.ROUKOLAHTI	.A	.6122N	2840E	95. S(C) 64-	.D:SF2	.H	.	.	.
.LAPPEENRANTA	.A	.6103N	2803E	106. S(C) 62-	.D:SF1-2	.H	.	.24	.
.UTTI	.A	.6054N	2656E	100. S(C) 68-	.D:SF1-2	.H	.	.14	.
.TURKU	.A	.6031N	2216E	49. S(C) 57-	.D:SF1-2	.H	.	.48	.
.VIHTI	.A	.6025N	2424E	35. S(C) 65-	.D:SF2	.H	.	.	.
.KOTKA-RANKKI	.A	.6022N	2658E	5. S(C) 68-	.D:SF1-2	.H	.	.8	.
.SALO	.A	.6022N	2306E	2. S(C)	.D:SF2	.H	.	.	.
.TIKKURILA	.A	.6017N	2504E	20. S(C) 68-	.D:SF1-2	.H	.	.	.
.VALLISAARI	.A	.6008N	2500E	10. S(C)	.	.H	.	.	.
.MAARIANHAMINA	.A	.6007N	1954E	5. S(C) 65-	.D:SF1-2	.H	.	.24	.
.HELSINKI-KATAJALUOTO	.A	.6006N	2455E	4. S(C) 55-	.D:SF2	.H	.	.8	.
.UTO	.A	.5947N	2123E	4. S(C) 71-	.	.H	.	.	.
.RUSSARO	.A	.5946N	2257E	11. S(C) 70-	.D:SF1	.H	.	.8	.

2	3.	4		5	6	7.	8.	9.	10
.SAINT QUENTIN	.A	.4949N	321E 98.	G(K) 73-	.D:SU1,MO:SU2	.H	.	.8	.
				S(C)	.MO:SU1-2	.12H.			
.REIMS	.A	.4918N	402E 95.	G(K) 74-	.D:SU1	.H	.	.23	.
				S(C)	.MO:SU1	.12H.			
.CAEN	.A	.4911N	027W 78.	G(K) 74-	.D:SU1	.H	.	.18	.
				S(C)	.MO:SU1	.12H.			
.PARIS MONTSOURIS	.	.4849N	220E 75.	G(K) 65-	.	.H	.	.	.
				S(C) 67-	.	.12H.			
.TRAPPES	.A	.4846N	201E 168.	I(SD)	.	.	.	.	.
				I(LF) 71-	.	.H	.	.	.RG8,TBA
				G(K) 61-	.D:SU1,MO:SU2	.H	.	.	.
				G/(K) 73,74	.	.H	.	.	.49S
				G/(K) 75	.	.H	.	.	.90N
				G/(K) 74	.	.H	.	.	.50SE
				D(K) 67-	.	.H	.	.	.
				Q*(..) *	.	.*	.	.	.
				S(C) 62-	.MO:SU1-2	.12H.		.	.
.NANCY	.A	.4842N	613E 204.	G(K) 65-	.D:SU1,MO:SU2	.H	.	.24	.
				D( )	.	.H	.	.	.
				S(C) 63-	.MO:SU1-2	.12H.		.	.
.STRASBOURG	.A	.4833N	738E 153.	G(K) 74-	.D:SU1	.H	.	.48	.
				S(C)	.MO:SU1	.12H.		.	.
.ROSTRENEN	.A	.4814N	320E 268.	I(..) 76*	.	.	.	.	.TBA
				D(..)	.	.H	.	.	.
				S(J)	.	.12H.		.	.
.RENNES	.A	.4804N	143E 37.	G(K) 67-	.D:SU1,MO:SU2	.H	.	.48	.
				S(C)	.MO:SU1-2	.12H.		.	.
.AUXERRE	.A	.4748N	333E 207.	G(K) 76-	.D:SU1	.H	.	.16	.
				S(C)	.MO:SU1	.12H.		.	.
.TOURS ST. SYMPHORIEN	.A	.4727N	043E 108.	G(K) 76-	.D:SU1	.H	.	.22	.
				S(C) 50-	.MO:SU1	.12H.		.	.
.DIJON	.A	.4716N	505E 222.	G(K) 76-	.D:SU1	.H	.	.24	.
				S(C) 50-	.MO:SU1	.12H.		.	.
.MACON	.A	.4618N	448E 217.	G(K) 63-	.D:SU1,MO:SU2	.H	.	.8	.
				D(..)	.	.H	.	.	.
				S(C) 63-	.MO:SU1-2	.12H.		.	.
.LA ROCHELLE	.A	.4609N	109W 4.	G(K) 70-	.D:SU1,MO:SU2	.H	.	.	.
				D(..)	.	.H	.	.	.
				S(C) 50-	.MO:SU1-2	.12H.		.	.
.LIMOGES	.A	.4549N	117E 284.	G(K) 63-	.D:SU1,MO:SU2	.H	.	.24	.
				D(..)	.	.H	.	.	.
				S(C) 63-	.MO:SU1-2	.12H.		.	.
.CLERMONT-FERRAND	.A	.4547N	310E 332.	G(K) 77-	.	.H	.	.21	.
				S(C) 50-	.	.12H.		.	.
.BORDEAUX	.A	.4450N	042W 51.	G(K) 77-	.	.H	.	.	.
				S(C) 50-	.	.12H.		.	.
.AGEN	.A	.4411N	036E 59.	G(K) 68-	.D:SU1,MO:SU2	.H	.	.19	.
				S(C) 50-	.MO:SU1-2	.12H.		.	.
.CARPENTRAS	.A	.4405N	503E 100.	I(SD)	.	.	.	.4	.
				I(LF) 71-	.	.H	.	.	.RG2,TBA
				G(E2) 68-	.	.H	.	.	.
				G(K) 68-	.D:SU1,MO:SU2	.H	.H	.	.
				G/(K) 73	.	.	.H	.	.44S
				G/(K) 74-75	.	.	.H	.	.90S
				D(K) 68-	.	.H	.H	.	.
				Q+(..)75-	.	.*	.	.	.
				S(C) 50-	.MO:SU1-2	.12H.D		.	.
.MILLAU	.A	.4404N	304E 408.	G(K) 64-	.D:SU1,MO:SU2	.H	.	.	.
				D(..)	.	.H	.	.	.
				S(C) 64-	.MO:SU1-2	.12H.		.	.
.NICE	.A	.4340N	713E 6.	G(K) 64-	.D:SU1,MO:SU2	.H	.	.48	.
				S(C) 62-	.MO:SU1-2	.12H.		.	.
.MONTPELLIER	.A	.4335N	358E 5.	G(K) 75-	.D:SU1,MO:SU2	.H	.	.24	.
				S(C) 50-	.MO:SU1-2	.12H.		.	.
.PAU	.A	.4323N	025W 185.	G(K) 77-	.	.H	.	.	.
				D( )	.	.H	.	.	.
				S(C) 50-	.	.12H.		.	.
.CARCASONNE	.A	.4313N	219E 130.	G(K)	.	.	.	.	.
				S(C) 50-	.	.D	.	.	.
.ILE DU LEVANT	.A	.4302N	628E 133.	G(K) 77-	.D:SU1	.H	.	.	.
				S(C) 77-	.MO:SU1	.12H.		.	.
.AJACCIO	.A	.4155N	848E 5.	G(K) 65-66,70-	.D:SU1,MO:SU2	.H	.	.	.
				S(C) 65-	.MO:SU1-2	.12H.		.	.

F.R. GERMANY

2	3.	4		5	6	7.	8.	9.	10
.LIST	.A	.5501N	0825E 33.	G(K) 72-74,75-	.H:D5,D:D2	.H	.H	.22	.
				S(C) 51-	.D:D1,MO:D2	.H	.H	.	.
.WYK	.A	.5443N	0835E 7.	G(R) 53-66	.	.D	.	.	.
				G(K) 67-71	.	.D	.	.	.
				S(C) 51-70	.D:D1	.D	.	.	.
.HELGOLAND	.MH	.5411N	0754E 15.	G(R) 65-76	.	.D	.	.	.
				G(K) 77-	.	.D	.	.	.
.PLÖN	.LP	.5410N	1026E 29.	G(K) 62-65,	.	.D	.D	.	.
				66-	.	.H	.H	.	.
.NORDERNEY	.A	.5343N	0709E 29.	G(K) 57-59,66-	.H:D5,D:D2	.H	.H	.16	.
				D(K) 77-	.H:D5	.H	.H	.	.
				S(C) 51-	.D:D1,MO:D2	.H	.H	.	.
.HAMBURG-SASEL	.A	.5339N	1007E 47.	G(K) 79-	.H:D5,D:SU1,	.H	.H	.	.
					.MO:SU2	.	.	.	.
				D(K) 79-	.H:D5	.H	.H	.	.
				R(K) 79-	.H:D5	.H	.H	.	.
				L+(SH)79-	.H:D5	.H	.H	.	.
				L-(SH)79-	.H:D5	.H	.H	.	.
				Q*(SH)79-	.H:SU1-D2-D5,	.H	.H	.	.
					.MO:SU2	.	.	.	.
				UV(DU)79-	.H:D5	.H	.H	.	.
				S(C) 79-	.MO:SU2	.H	.H	.	.
.HAMBURG-FUHLSBUTTEL	.A	.5338N	1000E 14.	I(LF) 54*59	.	.*	.	.24	.OG1,RG2-8,TBL
				G(K) 49-79	.H:D2-D5,D:SU1,	.H	.H	.	.
					.MO:SU2	.	.	.	.
				G/(K) 52-55	.	.D	.D	.	.45S,90N,E,S,W
				D(K) 54-79	.H:D2-D5	.H	.H	.	.
				DX/( )67-75	.	.	.	.	.45N,8WAVEL.
				R(K) 54-79	.H:D5,D:D2	.H	.H	.	.
				L+(SH)54-79	.H:D2-D5	.H	.H	.	.
				L-(SH)54-79	.H:D2-D5	.H	.H	.	.
				Q*(SH)54-79	.H:D2-SU1-D5,	.H	.H	.	.
					.MO:SU2	.	.	.	.
				S(C) 46-	.D:D1-D2,MO:SU1-	.H	.H	.	.
.BREMEN-FLUGHAFEN	.A	.5303N	0847E 24.	G(K) 77-	.H:D5	.H	.H	.24	.
				S(C) 51-	.D:D1	.H	.H	.	.

2	3.	4		5	6	7.	8.	9.	10
.HANNOVER-HERRENHAUSEN	.UH.	.5224N	0945E 55.	G(K) 56-	.	.H	.	.	.
.	.	.	.	R(K) 65-75	.	.H	.	.	.
.	.	.	.	S(C) 51-75	.	.H	.	.	.
.HANNOVER-FLUGHAFEN	.A	.5228N	0942E 53.	G(R) 49-51,52-	.	.D	.	.48	.
.	.	.	.	S(C) 51-	.D:D1	.H	.	.	.
.BERLIN	.UB.	.5228N	1318E 51.	G(K) 54-	.H:D3	.H	.H	.8	.
.	.	.	.	D(K) 65-	.3H:D3	.H	.H	.	.
.	.	.	.	E( ) 54-	.3H:D3	.H	.H	.	.
.	.	.	.	S(C) 52-	.3H:D3	.H	.H	.	.
.BRAUNSCHWEIG	.A	.5218N	1027E 83.	G(K) 57,58-	.H:D5,D:D1-D2-SU	.H	.H	.22	.
.	.	.	.		.MO:SU2	.	.	.	.
.	.	.	.	D(K) 77-	.H:D5	.H	.H	.	.
.	.	.	.	S(C) 51-	.D:D1,MO:D2-SU1	.H	.H	.	.
.OSNABRUCK	.A	.5215N	0803E 104.	G(K) 77-	.H:D5	.H	.H	.16	.
.	.	.	.	D(K) 79-	.H:D5	.H	.H	.	.
.	.	.	.	S(C) 51-	.D:D1	.H	.H	.	.
.BOCHOLT	.A	.5150N	0637E 24.	G(K) 73-74	.	.	.	.16	.
.	.A	.5150N	0632E 24.	G(K) 74-	.H:D5	.H	.H	.	.
.	.	.	.	D(K) 77	.H:D5	.H	.H	.	.
.	.	.	.	S(C) 51-	.D:D1	.H	.H	.	.
.BRAUNLAGE	.A	.5143N	1037E 615.	G(K) 57-	.H:D5,D:D2	.H	.H	.16	.
.	.	.	.	S(C) 51-	.D:D1	.H	.H	.	.
.GELSENKIRCHEN	.A	.5130N	0705E 63.	G(K) 73-	.H:D5	.H	.H	.-	.
.	.	.	.	D(K) 77-	.	.H	.H	.	.
.	.	.	.	S(C) 77-	.-	.H	.H	.	.
.KASSEL(TOWN)	.A	.5119N	0929E 158.	G(R) 48-59	.-	.D	.D	.24	.
.KASSEL(SUBURB)	.A	.5118N	0927E 237.	G(K) 79-	.H:D5	.H	.H	.24	.
.	.	.	.	D(K) 79-	.H:D5	.H	.H	.	.
.	.	.	.	S(C) 51-	.D:D1	.H	.H	.	.
.FRIESDORF	.A	.5042N	0709E 65.	G(K) 76-	.H:D5	.H	.H	.-	.
.	.	.	.	S(C) 51-	.D:D1	.H	.H	.	.
.NAUHEIM,BAD	.A	.5022N	0845E 177.	G(K) 73-76	.H:D5,D:D2	.H	.H	.-	.
.	.	.	.	S(C) 51-76	.D:D1	.H	.H	.	.
.KONIGSTEIN	.A	.5011N	0829E 405.	G(K) 56,68-70	.	.H	.	.	.
.	.	.	.	S(C) 51-	.D:D1	.H	.	.	.
.GEISENHEIM	.A	.4959N	0758E 113.	G(K) 76-	.H:D5	.H	.H	.-	.
.	.	.	.	S(C) 51-	.	.H	.	.	.
.WURZBURG	.A	.4948N	0954E 263.	G(R) 48-55*59-68	.	.H	.H	.22	.
.	.	.	.	G(K) 57-	.H:D5,D:D1-D2-SU	.H	.H	.	.
.	.	.	.	D(K) 78-	.H:D5	.H	.H	.	.
.	.	.	.	S(C) 47-	.D:D1,MO:D2-SU1-	.H	.H	.	.
.TRIER	.A	.4945N	0640E 277.	G(R) 36,38-39,56-57	.	.D	.	.24	.
.	.	.	.	58-59,64-68	.	.	.	.	.
.	.	.	.	G(K) 57-	.H:D5,D:D2-SU1	.H	.H	.	.
.	.	.	.		.MO:SU2	.	.	.	.
.	.	.	.	D(K) 79-	.H:D5	.H	.H	.	.
.	.	.	.	S(C) 51-	.D:D1,MO:D2-SU1	.H	.H	.	.
.MANNHEIM	.A	.4931N	0833E 105.	G(K) 79-	.H:D5	.H	.H	.22	.
.	.	.	.	D(K) 79-	.H:D5	.H	.H	.	.
.	.	.	.	S(C) 51-	.D:D1	.H	.H	.	.
.NURNBERG	.A	.4930N	1105E 312.	G(K) 76-78,79-	.H:D5	.H	.H	.24	.
.	.	.	.	S(C) 51-	.D:D1	.H	.H	.	.
.KARLSRUHE	.KK.	.4906N	0826E 110.	G(D) 71-	.	.	.10M.	.144	.WG295
.	.	.	.	R(D) 71-	.	.	.10M.	.	.
.REGENSBURG	.A	.4903N	1206E 366.	G(R) 40-43,51-57	.	.D	.	.24	.
.	.	.	.	S(C) 51-	.	.H	.	.	.
.STUTTGART-SCHNARRENBERG	.A	.4850N	0912E 319.	G(K) 79-	.H:D5	.H	.H	.-	.
.	.	.	.	D(K) 79-	.H:D5	.H	.H	.	.
.	.	.	.	S(C) 51-	.D:D1	.H	.H	.	.
.STUTTGART-HOHENHEIM	.US.	.4843N	0912E 408.	G(R) 49-	.	.D	.D	.-	.
.	.	.	.	G(K) 71-77	.	.D	.D	.-	.
.TUBINGEN	.A	.4831N	0903E 370.	G(R) 62,63,65-70	.	.D	.	.3	.
.	.	.	.	G(K) 67-72,73-74	.	.H	.	.	.
.	.	.	.	S(C) 51-	.D:D1	.H	.	.	.
.PASSAU	.A	.4835N	1329E 412.	G(K) 79-	.H:D5	.H	.H	.24	.
.	.	.	.	D(K) 79-	.H:D5	.H	.H	.	.
.	.	.	.	S(C) 51-	.D:D1	.H	.H	.	.
.FREUDENSTADT	.A	.4827N	0825E 797.	G(R) 55-59	.	.D	.	.13	.
.	.	.	.	S(C) 51-	.D:D1	.H	.	.	.
.WEIHENSTEPHAN	.A	.4824N	1144E 469.	G(R) 57-59	.	.D	.	.-	.
.	.	.	.	G(K) 61-	.H:D5,D:D2	.H	.H	.	.
.	.	.	.	D(K) 71-	.H:D5	.H	.H	.	.
.	.	.	.	S(C) 51-	.D:D1	.H	.H	.	.
.MUNCHEN	.UM.	.4816N	1141E 570.	G(K) 60-	.	.H	.H	.CON	.
.FREIBURG	.A	.4801N	0752E 285.	57-58	.	.D	.H	.24	.
.	.A	.4800N	0751E 308.	G(K) 73-	.H:D5,D:D2	.H	.H	.	.
.	.	.	.	D(K) 78-	.H:D5	.H	.H	.	.
.	.	.	.	S(C) 61-	.D:D1,MO:D2	.H	.H	.	.
.HOLZKIRCHEN	.BH.	.4752N	1145E 680.	G(K) 53-	.	.H	.H	.CON	.TEMP,WIND
.	.	.	.	G/(K) 66-	.	.H	.H	.	.90N,E,S,W,
.HOHENPEISSENBERG	.A	.4748N	1101E 990.	I(MI) 57-59	.	.	.	.22	.OG1,RG2-8,TBA
.	.	.	.	G(R) 48-56,57-67	.	.	.	.	.
.	.	.	.	G(K) 53-	.H:D5,D:D1-D2-SU	.H	.	.	.
.	.	.	.		.MO:SU2	.	.	.	.
.	.	.	.	Q(K) 53-62*63-72,73-	.H:D5	.H	.H	.	.
.	.	.	.	74-	.	.	.	.	.
.	.	.	.	R(K) 64-65	.	.D	.	.	.
.	.	.	.	Q*(SH) 64-65	.	.D	.	.	.
.	.	.	.	S(C) 38-	.D:D1,MO:SU1-2	.H	.H	.	.
.WANK	.AG.	.4731N	1109E 1780.	G(S) 64-	.	.H	.H	.24	.
.	.	.	.	S(C) 64-72	.	.H	.	.	.
.	.	.	.	S(HE) 72-	.	.H	.H	.	.
.GARMISCH	.AG.	.4729N	1104E 740.	G(S) 64-	.	.H	.H	.24	.
.	.	.	.	S(C) 64-72	.	.H	.	.	.
.	.	.	.	S(HE) 72-	.	.H	.H	.	.
.ZUGSPITZE	.AG.	.4725N	1059E 2960.	G(S) 64-	.	.	.	.24	.
.	.	.	.	S(C) 64-	.D:D1	.H	.H	.	.
.OBERSDORF	.A	.4724N	1017E 810.	G(R) 40-46,57-58	.	.D	.	.13	.
.	.	.	.	S(C) 51-	.D:D1	.H	.	.	.
.FLENSBURG	.A	.5447N	0923E 41.	S(C) 51-	.	.H	.	.	.
.WYK AUF FOUR	.A	.5443N	0835E 7.	S(C) 51-	.	.H	.	.	.
.MARIENLEUCHTE	.A	.5430N	1114E 10.	S(C) 51-	.	.H	.	.	.
.HUSUM	.A	.5428N	0903E 3.	S(C) 51-	.	.H	.	.	.
.NEULAND-WATERNEV.	.A	.8422N	1036E 4.	S(C) 61-	.	.	.	.	.
.KIEL-WIK	.A	.5421N	1008E 7.	S(C) 51-	.	.H	.	.	.
.ST.PETER	.A	.5418N	0837E 8.	S(C) 51-	.	.H	.	.	.
.ST.MICHAELSDONN	.A	.5401N	0907E 25.	S(C) 51-	.	.H	.	.	.
.TRAVEMUNDE	.A	.5357N	1053E 3.	S(C) 51-	.	.H	.	.	.
.LUBECK	.A	.5353N	1042E 13.	S(C) 51-	.	.H	.	.	.
.GLUCKSTADT	.A	.5347N	0927E 1.	S(C) 51-	.	.H	.	.	.
.BORKUM	.A	.5335N	0640E 12.	S(C) 51-	.	.H	.	.	.
.HAMBURG-ST.PAULI	.A	.5333N	0958E 22.	S(C) 51-	.	.H	.	.	.
.BREMERHAVEN	.A	.5332N	0835E 7.	S(C) 51-	.	.H	.	.	.
.AURICH	.A	.5327N	0728E 4.	S(C) 61-	.	.H	.	.	.
.EDEWECHTERDAMM	.A	.5305N	0756E 8.	S(C) 51-	.	.H	.	.	.
.BREMEN	.A	.5303N	0847E 4.	S(C) 51-	.	.H	.	.	.
.SOLTAU	.A	.5300N	0950E 77.	S(C) 51-	.	.H	.	.	.
.VISBEK	.A	.5250N	0819E 51.	S(C) 61-	.	.H	.	.	.
.LINGEN	.A	.5231N	0719E 21.	S(C) 51-	.	.H	.	.	.
.BERLIN-DAHLEM	.A	.5228N	1318E 51.	S(C) 51-	.	.H	.	.	.
.HANNOVER	.A	.5228N	0942E 53.	S(C) 51-	.	.H	.	.	.

2	3.	4		5	6	7.	8.	9.	10
.HERFORD	.A	.5208N	0841E 77.	S(C) 51-		.M	.	.	.
.SALZUFLEN,BAD	.A	.5206N	0845E 98.	S(C) 51-		.H	.	.	.
.MUNSTER	.A	.5158N	0736E 64.	S(C) 51-		.H	.	.	.
.SACHSA,BAD	.A	.5135N	1033E 322.	S(C) 51-		.H	.	.	.
.GOTTINGEN	.A	.5133N	0957E 176.	S(C) 51-		.M	.	.	.
.ESSEN	.A	.5124N	0658E 154.	S(C) 51-		.H	.	.	.
.LUDENSCHEID	.A	.5113N	0738E 444.	S(C) 51-		.H	.	.	.
.KAHLER ASTEN	.A	.5111N	0829E 835.	S(C) 61-		.H	.	.	.
.LEVERKUSEN	.A	.5102N	0659E 44.	S(C) 51-		.H	.	.	.
.NIEDERESSMAR	.A	.5101N	0735E 242.	S(C) 61-		.H	.	.	.
.WAHN	.A	.5053N	0708E 73.	S(C) 61-		.H	.	.	.
.AACHEN	.A	.5047N	0606E 202.	S(C) 51-		.H	.	.	.
.NORDERNEY	.	.	.	S(C) 51-		.H	.	.	.
.FRIESDORF	.A	.5024N	0708E 61.	S(C) 51-		.H	.	.	.
.EUSKIRCHEN	.A	.5039N	0647E 176.	S(C) 61-		.H	.	.	.
.GIESSEN	.A	.5034N	0842E 186.	S(C) 51-		.H	.	.	.
.WASSERKUPPE	.A	.5030N	0957E 921.	S(C) 51-		.H	.	.	.
.KOBLENZ-OBERLAHNSTEIN	.A	.5021N	0736E 70.	S(C) 51-		.H	.	.	.
.HOF-HOHENSAAS	.A	.5019N	1153E 567.	S(C) 51-		.H	.	.	.
.COBURG	.A	.5016N	1067E 337.	S(C) 51-		.H	.	.	.
.KLEINER FELDBERG/TAUNUS	.A	.5013N	0827E 805.	S(C) 51-		.H	.	.	.
.BAD KISSINGEN	.A	.5012N	1005E 224.	S(C) 51-		.H	.	.	.
.FRANKFURT-FLUGH.	.A	.5003N	0835E 110.	S(C) 51-		.H	.	.	.
.BAYREUTH	.A	.4957N	1133E 330.	S(C) 51-		.H	.	.	.
.BERNKASTEL-KUES	.A	.4955N	0704E 120.	S(C) 51-		.H	.	.	.
.BAMBERG	.A	.4953N	1055E 239.	S(C) 61-		.H	.	.	.
.KREUZNACH,BAD	.A	.4951N	0751E 136.	S(C) 51-		.H	.	.	.
.SELIGENSTADT	.A	.4951N	1006E 281.	S(C) 51-		.H	.	.	.
.ALZEY	.A	.4945N	0807E 166.	S(C) 51-		.H	.	.	.
.BRANDHOF	.A	.4933N	1046E 403.	S(C) 51-		.H	.	.	.
.MANNHEIM	.A	.4932N	0830E 97.	S(C) 51-		.H	.	.	.
.BUCHEN	.A	.4931N	0920E 350.	S(C) 51-		.H	.	.	.
.NURNBERG-KRAFTSHOF	.A	.4930N	1105E 310.	S(C) 51-		.H	.	.	.
.HAID	.A	.4930N	1138E 479.	S(C) 51-		.H	.	.	.
.NEUSTADT/WEINSTRASSE	.A	.4922N	0808E 163.	S(C) 51-70		.H	.	.	.
.ANSBACH	.A	.4918N	1035E 411.	S(C) 51-76		.H	.	.	.
.BERUS	.A	.4916N	0641E 363.	S(C) 51-70		.H	.	.	.
.RAPPENAU,BAD	.A	.4915N	0905E 250.	S(C) 51-		.H	.	.	.
.SAARBRUCKEN-ST.ARNUAL	.A	.4913N	0701E 191.	S(C) 51-		.H	.	.	.
.ENSHEIM	.A	.4913N	0707E 323.	S(C) 61-		.H	.	.	.
.BOTTENWEILER	.A	.4913N	1013E 464.	S(C) 51-		.H	.	.	.
.OHRINGEN	.A	.4912N	0931E 276.	S(C) 51-		.H	.	.	.
.GROSSER FALKENSTEIN	.A	.4905N	1317E1307.	S(C) 51-		.H	.	.	.
.WEISSENBURG/BAYERN	.A	.4902N	1058E 422.	S(C) 51-		.H	.	.	.
.KARLSRUHE	.A	.4901N	0823E 114.	S(C) 51-		.H	.	.	.
.ZWIESELBERG	.A	.4900N	1313E 615.	S(C) 51-		.H	.	.	.
.DENKENDORF	.A	.4856N	1128E 510.	S(C) 51-		.H	.	.	.
.PFORZHEIM	.A	.4854N	0844E 243.	S(C) 51-		.H	.	.	.
.NORDLINGEN	.A	.4852N	1038E 425.	S(C) 51-		.H	.	.	.
.STAUBING	.A	.4852N	1235E 333.	S(C) 51-		.H	.	.	.
.METTEN	.	.	.	S(C) 51-		.H	.	.	.
.SCHOMBERG	.A	.4847N	0839E 620.	S(C) 51-		.H	.	.	.
.STUTTGART(TOWN-VILLE)	.A	.4846N	0911E 286.	S(C) 51-		.H	.	.	.
.KARLSHULD	.A	.4841N	1117E 374.	S(C) 51-		.H	.	.	.
.STOTTEN	.A	.4840N	0952E 734.	S(C) 51-		.H	.	.	.
.NURTINGEN	.A	.4838N	0920E 280.	S(C) 61-		.H	.	.	.
.HULL	.A	.4836N	1141E 436.	S(C) 51-		.H	.	.	.
.AIDENBACH	.A	.4834N	1305E 335.	S(C) 61-		.H	.	.	.
.SLOPFLOCK	.A	.4832N	0932E 764.	S(C) 51-		.H	.	.	.
.FREUDENSTADT	.A	.4827N	0826E 797.	S(C) 51-		.H	.	.	.
.ULM	.A	.4823N	0958E 522.	S(C) 51-		.H	.	.	.
.AUGSBURG-KREZIGSH.	.A	.4823N	1051E 477.	S(C) 51-		.H	.	.	.
.MUHLDORF	.A	.4815N	1232E 401.	S(C) 51-		.H	.	.	.
.PUCH	.A	.4811N	1113E 550.	S(C) 51-		.H	.	.	.
.MUNCHEN-NYMPHENBURG	.A	.4810N	1130E 515.	S(C) 51-		.H	.	.	.
.MITTBACH	.A	.4810N	1201E 623.	S(C) 61-		.H	.	.	.
.MUNCHEN-RIEM	.A	.4809N	1143E 527.	S(C) 51-		.H	.	.	.
.KLIPPENECK	.A	.4806N	0846E 973.	S(C) 51-		.H	.	.	.
.AULENDORF	.A	.4758N	0939E 571.	S(C) 51-		.H	.	.	.
.ROSENHEIM	.A	.4752N	1207E 446.	S(C) 51-		.H	.	.	.
.TOLZ,BAD	.A	.4746N	1134E 654.	S(C) 51-		.H	.	.	.
.REICHENHALL,BAD	.A	.4745N	1254E 455.	S(C) 51-		.H	.	.	.
.HOCHENSCHWAND	.A	.4744N	0810E1001.	S(C) 51-		.H	.	.	.
.WENDELSTEIN	.A	.4742N	1201E1832.	S(C) 51-		.H	.	.	.
.REIT IM WINKEL	.A	.4741N	1229E 695.	S(C) 51-		.H	.	.	.
.KONSTANZ	.A	.4740N	0959E 398.	S(C) 51-		.H	.	.	.
.KOHLGRUB,BAD	.A	.4740N	1103E 860.	S(C) 51-		.H	.	.	.
.FRIEDRICHSHAFEN	.A	.4739N	0929E 401.	S(C) 51-		.H	.	.	.
.BERCHTESGADEN	.A	.4738N	1301E 542.	S(C) 51-		.H	.	.	.
.HORN	.A	.4734N	1042E 796.	S(C) 51-		.H	.	.	.
.GARMISCH-PARTENKIRCHEN	.A	.4729N	1104E 719.	S(C) 51-		.H	.	.	.

GERMAN DEM. REP.

2	3.	4		5	6	7.	8.	9.	10
.HEILIGENDAMM	.A	.5409N	1151E 21.	G(PS) 61-	.D:SU1,MO:SU2	.H	.	.	.
	.	.		D(PS) 61-	.	.H	.	.	.
	.	.		S(C) 60-	.MO:SU1-2	.H	.	.	.
.POTSDAM (MHO)	.A	.5223N	1301E 110.	I(MG) 51*68	.	.	.	.8	.
	.	.		G(PS) 51-68	.D:DDR1-SU1,	.H	.	.	.
	.	.			.MO:SU2	.	.	.	.
	.	.		D(PS) 51-68	.D:DDR1	.H	.	.	.
	.	.	30.	R(..) 51-68	.	.H	.	.	.
	.	.		Q*(SH)51-68	.H:SU1,MO:SU2	.H	.	.	.
	.	.		G(BS)	.	.	.	.	.
	.	.		S(C)	.MO:SU1-2	.H	.	.	.
.POTSDAM-SCHLAATZ	.A	.5223N	1306E 33.	I(MG) 69*	.	.H	.	.8	.OZONE
	.	.		G(PS) 69-	.D:DDR1-SU1	.H	.	.	.
	.	.		G/(..)73-	.	.H	.	.	.90N,E,S,W
	.	.		D(PS) 69-	.D:DDR1	.H	.	.	.
	.	.		R(..) 69-	.	.H	.	.	.
	.	.		Q*(SH)69-	.H:SU1,MO:SU2	.H	.	.	.
	.	.		S(C) 86-	.MO:SU1-2	.H	.	.	.
.LINDENBERG	.A	.5213N	1407E 98.	G(K)	.	.	.	.8	.OZONE
	.	.		S(C)	.	.H	.	.	.
.DRESDEN-WAHNSDORF	.A	.5107N	1341E 271.	G(PS) 67-	.D:SU1,MO:SU2	.D	.	.	.OZONE
	.	.		D(PS)	.	.	.	.	.
	.	.	246.	S(C) 16-	.MO:SU1-2	.H	.	.	.
.WEIMAR	.A	.5059N	1119E 264.	G(..)	.	.	.	.	.
	.	.		S(C)	.	.H	.	.	.
.FICHTELBERG	.A	.5026N	1257E1217.	G(..) 61-	.D:SU1,MO:SU2	.H	.	.8	.OZONE
	.	.		D(..) 61-	.	.H	.	.	.
	.	.		S(C) 46-	.MO:SU1-2	.H	.	.	.

GREECE

2	3.	4		5	6	7.	8.	9.	10
.KOMOTINI	.A	.4157N	2524E 30.	G(R) 77-		.D	.	.5	.
				S(C)		.H	.	.	.
.THESSALONIKI	.B	.4037N	2257E 31.	I(LF) 60-		.	.	.	.OG1,RG2-8
				G(E.) 60-		.	.	.	.
				G(K)		.	.	.	.
				G(R) 60-		.	.	.	.
				G(BS) 60-		.	.	.	.
				Q*(GD)		.	.	.	.GRASS
				S(C) 30-		.H	.	.	.
.AGIALOS	.A	.3913N	2248E .	G(R) 77-		.D	.	.24	.
.ARTA	.A	.3910N	2100E 10.	G(R) 77-		.D	.	.6	.
				S(C)		.H	.	.	.
.ALIARTOS	.A	.3823N	2306E 110.	G(R) 70-		.D	.	.5	.
				S(C)		.H	.	.	.
.ATHINAI-FILADELFIA	.A	.3803N	2340E 136.	G(E.) 57-		.	.	.6	.
				G(R) 57-		.D	.	.	.
				S(C)		.H	.	.	.
.ATHINAI-NAT.OBS.	.C	.3758N	2343E 107.	I(LF) 62*	.*GR1	.*	.	.24	.
				IX(LF)62*	.*GR1	.*	.	.	.OG1,RG2-8,QUA.
				G(E8) 60-	.H:GR1,D:SU1,	.H	.	.	.
					.MO:SU2	.	.	.	.
				G(R) 67-	.	.D	.	.	.
				S(C) 96-	.D:GR1,MO:SU1-2	.H	.	.	.
.ANDRAVIDA	.A	.3755N	2127E 10.	G(R) 77-		.D	.	.24	.
				S(C)		.H	.	.	.
.HELLENIKON	.A	.3754N	2344E .	G(R) 77-		.D	.	.24	.
				S(C)		.	.	.	.
.MAGOULIANA	.C	.3742N	2206E1350.	G(K) 65-		.	.	.	.
				G(R) 65-		.	.	.	.
.MEGALOCHORIOU	.C	.3625N	2524E 70.	G(K) 67-		.	.	.	.
				G(R) 67-		.	.	.	.
.TYMBAKI-CRETE	.A	.3500N	2445E 8.	G(R) 77-		.D	.	.5	.
				S(C)		.	.	.	.

GREENLAND

2	3.	4		5	6	7.	8.	9.	10
.NORD	.	.8136N	1640W 35.	S(C) 59-72		.	.	.	.
.THULE DUNDAS	.	.7634N	6848W 21.	S(C) 70-		.	.	.	.
.GODHAVN	.	.6915N	5331W 8.	S(C) 59-		.	.	.	.
.SDR. STROMFJORD	.	.6700N	5046W 53.	S(C) 73-		.	.	.	.
.TINGMIARMIUT	.	.6232N	4208W 10.	S(C) 57-		.	.	.	.
.FREDRIKSHAB	.	.6200N	4943W 16.	S(C) 56-		.	.	.	.
.NARSSARSSUAQ	.	.6111N	4525W 26.	S(C) 61-		.	.	.	.

HUNGARY

2	3.	4		5	6	7.	8.	9.	10
.KISVARDA	.A	.4814N	2207E 114.	G(R) 58-70		.D	.	.	.
				S(C) 51-		.H	.	.	.
.KEKESTETO	.A	.4752N	2001E 989.	I(MI) 58*70		.*	.	.23	.
				G(R) 58-72		.D	.	.	.
				S(C) 32-44,52-		.H	.	.	.
.KOMPOLT	.A	.4744N	2014E 127.	G(R) 59-64		.D	.	.	.
				S(C) 30-44,50-		.H	.	.	.
.SOPRON	.A	.4741N	1636E 241.	G(R) 58-	.D:SU1,MO:SU2	.D	.	.23	.
				S(C) 30-	.MO:SU1-2	.H	.	.	.
.DEBRECEN	.A	.4729N	2138E 111.	G(R) 58-	.D:SU1,MO:SU2	.D	.	.23	.
				S(C) 57-	.MO:SU1-2	.H	.	.	.
.BUDAPEST MET. INST.	.	.4731N	1902E 120.	G(R) 36-		.D	.	.	.
				S(C) 07-		.H	.	.	.
.BUDAPEST ASTR. OBS.	.	.4730N	1858E 473.	G(R) 37-65,66-		.D	.	.	.
				S(C) 28-		.H	.	.	.
.TISZAURS	.A	.4727N	2049E 91.	G(R) 40-72		.D	.	.	.
				S(C) 39-45,52-		.H	.	.	.
.BUDAPEST KLFI	.A	.4726N	1911E 130.	I(A)		.	.	.23	.OZONE
				I(MI)		.	.	.	.OG1,RG2,TBL,
						.	.	.	.TBS
				I(LF)		.	.	.	.RG8
				G(R) 54-60		.D	.	.	.
				G(K) 60-	.D:SU1,MO:SU2	.H	.	.	.
				G/(K) 69-76		.H	.	.	.90S
				D(K) 58-62,67		.H	.	.	.
				R(K) 65-		.H	.	.	.
				Q*(SH)65-	.H:SU1,MO:SU2	.H	.	.	.
				S(C) 54-	.MO:SU1-2	.H	.	.	.
.MARTONVASAR	.A	.4721N	1849E 150.	G(R) 51-54,58-77		.D	.	.	.
				S(C) 50-		.H	.	.	.
.SZENTGOTTHARD	.A	.4657N	1617E 221.	G(R) 60-66		.D	.	.23	.
				S(C) 50-		.H	.	.	.
.SIOFOK	.A	.4654N	1803E 107.	I(MI) 58*72		.*	.	.21	.
				G(R) 58-72		.D	.	.	.
				S(C) 29-44,57-		.H	.	.	.
.KECSKEMET	.A	.4654N	1946E 113.	I(MI)		.	.	.23	.OG1,RG2
				G(R) 58-77	.D:SU1,MO:SU2	.H	.	.	.
				G(K) 77-	.D:SU1	.H	.	.	.
				Q*(SH)64-68		.H	.	.	.
				S(C) 10-44,48-	.MO:SU1-2	.H	.	.	.
.KESZTHELY	.A	.4646N	1714E 128.	G(R) 58-		.D	.	.23	.
				S(C) 33-		.H	.	.	.
.BEKESCABA	.A	.4641N	2110E 87.	G(R) 58-72		.D	.	.23	.
				S(C) 35-44,45-		.H	.	.	.
.SZEGED	.A	.4615N	2009E 79.	G(R) 58-		.D	.	.23	.
				S(C) 27-44,46-		.H	.	.	.
.PECS	.A	.4603N	1814E 135.	G(R) 57-72		.D	.	.23	.
				S(C) 26-		.H	.	.	.

ICELAND

2	3.	4		5	6	7.	8.	9.	10
.REYKJAVIK	.A	.6408N	2154W 54.	G( ) 57-61	.D:IS2	.H	.	.8	.OZONE
				G(E1) 62-	.D:IS2-SU1,MO:SU.	.H	.	.	.
				S(C) 24-	.D:IS1,MO:SU1-2	.H	.	.	.
.HOSKULDARNES	.A	.6629N	1555W 10.	S(C) 57-	.D:IS1	.H	.	.8	.
.AKUREYRI	.A	.6540N	1806W 70.	S(C) 27-	.D:IS1	.H	.	.8	.
.REYKHOLAR	.A	.6527N	2212W 27.	S(C) 57-	.D:IS1	.H	.	.	.
.HALLORMSSTADUR	.A	.6506N	1443W 60.	S(C) 53-	.D:IS1	.H	.	.	.
.HVERAVELLIR	.A	.6452N	1934W 643.	S(C) 66-	.D:IS1	.H	.	.4	.
.HOLAR I HORNAFIROI	.A	.6418N	1512W 17.	S(C) 57-	.D:IS1	.H	.	.	.
.REYKIR I OLFUSI	.A	.6400N	2111W 51.	S(C) 71-0	.D:IS1	.H	.	.	.
.SAMSSTADIR	.A	.6340N	2010W .	S(C) 62-	.D:IS1	.H	.	.	.

IRELAND

2	3.	4			5	6	7.	8.	9.	10
BELMULLET	A	5414N	1000W	13.	G(K) 76-					
					S(C)		H			
GLENAMOY	B	5414N	943W	24.	G( ) 71-	10D:IRL2				
					S(C)		H			
BALLINAMORE	B	5404N	747W	81.	G( ) 71-	10D:IRL2				
					S(C)		H			
DUBLIN AIRPORT	A	5326N	614W	81.	G(K) 75-	H:IRL1,D:SU1			24	
					D(K) 75-					
					S(C) 40-	H:IRL1,SU1	H			
KINSEALY	B	5325N	610W	18.	G( ) 70-73	10D:IRL2				
					S(C)		H			
DUBLIN	C	5320N	615W	14.	I(MG) 48-51,51-55		H			
					G(BS) 54-		D			
					S(C) 46-		H			
BIRR	A	5305N	754W	72.	G(K) 71-	H:IRL1,D:SU1, MO:SU2			24	
					S(C) 54-	H:IRL1,MO:SU1-2	H			
KILKENNY	A	5240N	716W	64.	G(K) 69-	H:IRL1,D:SU1, MO:SU2			24	
					S(C) 57-	H:IRL1,MO:SU1-2	H			
VALENTIA	A	5156N	1015W	20.	I(A)				24	
					I(LF) 54*					061,RG2-8,TBA
					G(K) 54-	H:IRL1,D:SU1, MO:SU2	H	H		
					G/(K) 76-			H		90S
					D(K) 62-63,63-	H:IRL1	H	H		
					Q*(FU)71-	H:SU1,MO:SU2				
					S(C)1892-	H:IRL1,MO:SU1-2	H	H		

ISRAEL

2	3.	4			5	6	7.	8.	9.	10
HAIFA	A	3249N	3500E	85.	G(E1) 64-68,71		D,H			
BET DREN	B	3244N	3500E	370.	G(K)					
					Q*( )					
					R(K)					
LOD/BEN GURION INT'L.A.	A	3200N	3454E	40.	G( ) 56-62	D:IL1	D		8	
BET DAGAN	A	3200N	3449E	30.	I(A)				8	
					I(EQ) 66-	H:IL3	H			
					G(E1) 62-	H:IL2-3,D:SU1, MO:SU2	H			
					D(E1) 66-	H:IL2-3	H			
					G(R)					
					Q*(GD)65-	H:IL2-3	H			
					Q*(GD)67-	H:IL3				
					S(C) 62-	H:IL2-3, MO:SU1-2	H			
JERUSALEM	C	3146N	3513E	810.	I(SD)				8	
					I( )					
					G(E1) 64-	H:IL4				
					G/( )	H:IL4				90N,E,S,W
					D( )	H:IL4				
					D/( )	H:IL4				90S
					Q*(GD)					
					Q+(GD)					
					G(BS)					
GILAT	D	3120N	3440E	150.	G(K)					
					G(E)					
					G(R)					
					G(BS)					
					D(K)					
					Q*( )					
BEER SHEVA	E	3115N	3448E	280.	G(R)		H		6	
					S(C)		H			
HAZER.M	A	3114N	3438E	200.	G(E1) 74-		H			
SEDOM	A	3102N	3523E	390.	G(E1) 73-		H		3	
					S(C)					
EILAT	A	2933N	3457E	12.	G(R)				8	
					S(C)					

ITALY

2	3.	4			5	6	7.	8.	9.	10
BOLZANO	A	4652N	1120E	935.	G(R) 65-	D:SU1,MO:SU2	D		24	
					S(C) 57-	MO:SU1-2	H			
UDINE	A	4602N	1311E	92.	G(R) 57-	D:SU1,MO:SU2	D		16	
					S(C) 57-	MO:SU1-2	H			
PIAN ROSA	A	4556N	742E	3488.	G(R) 60-	D:SU1,MO:SU2	D		24	
ISPRA	D	4548N	0838E	249.	G(R) 59-		D		X	
TRIESTE	A	4539N	1345E	20.	G(R) 61-	D:SU1,MO:SU2	D		24	
					S(C) 57-	MO:SU1-2	H			
VENEZIA	A	4530N	1220E	6.	G(R) 63-	D:SU1,MO:SU2	D		48	
					S(C) 61-	MO:SU1-2	H			
MILANO	A	4526N	917E	103.	G(R) 66-	D:SU1,MO:SU2	D		48	
					S(C) 50-	MO:SU1-2	H			
TORINO/CASELLE	A	4511N	739E	282.	G(R) 66-	D:SU1,MO:,SU2	D		48	
					S(C) 57-	MO:SU1-2	H			
MONTE CAPELLINA	B	4433N	857E	648.	G(K)	H:I3,D:SU1, MO:SU2				
BOLOGNA	A	4432N	1118E	49.	G(R) 60-	D:SU1,MO:SU2	D		24	
					S(C) 57-	MO:SU1-2	H			
GENOVA UNIVERSITY	B	4425N	856E	55.	G(K)	H:I3,D:SU1, MO:SU2				
GENOVA/SESTRI	A	4425N	851E	3.	G(R) 65-	D:SU1,MO:SU2	D		48	
					S(C) 57-	MO:SU1-2	H			
MONTE CIMONE	A	4412N	1042E	2137.	G(R) 62-	D:SU1,MO:SU2	D		24	
					S(C) 57-	MO:SU1-2	H			
CAPO MELE	A	4357N	810E	221.	G(R) 63-	D:SU1,MO:SU2	D		24	
					S(C) 63-	MO:SU1-2	H			
PISA	A	4340N	1023E	1.	G(R) 64-	D:SU1,MO:SU2	D		48	
					S(C) 64-	MO:SU1-2	H			
ANCONA	A	4337N	1331E	105.	G(R) 62-	D:SU1,MD:SU2	D		24	
					S(C) 66-	MO:SU1-2	H			
MACERATA	C	4318N	1327E	334.	G( )	10D:I2				
					D( )	10D:I2				
					GX( )	MO:I2				7WAVELENGTHS
					S( )	10D:I2				
PIANOSA	A	4235N	1006E	27.	G(R) 62-	D:SU1,MO:SU2	D		8	
					S(C) 57-	MO:SU1-2	H			
MONTE TERMINILLO	A	4228N	1259E	1875.	G(R) 66-	D:SU1,MO:SU2	D		24	
					S(C) 57-	MO:SU1-2	H			

ITALY

2	3.	4		5	6	7.	8.	9.	10
.PESCARA	.A	.4226N	1412E 16.	G(R) 65-	.D:SU1,MO:SU2	.D	.	.24	.
.PESCARA	.	.	.	S(C) 57-	.MO:SU1-2	.H	.	.	.
.VIGNA DI VALLE	.A	.4205N	1213E 270.	G(R) 65-	.D:SU1,MO:SU2	.D	.	.15	.
.	.	.	.	S(C) 57-	.MO:SU1-2	.H	.	.	.
.ROMA/CIAMPINO	.A	.4148N	1235E 131.	G(R) 61-	.D:I1-SU1,MO:SU2	.D	.	.48	.
.	.	.	.	G(BS)	.D:I1	.D	.	.	.
.	.	.	.	E(LN)	.D:I1	.D	.	.	.
.	.	.	.	S(C) 57-	.MO:SU1-2	.H	.	.	.
.AMENDOLA/FOGGIA	.A	.4131N	1543E 56.	G(R) 66-	.D:I1-SU1,MO:SU2	.D	.	.24	.
.	.	.	.	S(C) 57-	.MO:SU1-2	.H	.	.	.
.OLBIA	.A	.4056N	930E 2.	G(R) 63-	.D:SU1,MO:SU2	.D	.	.	.
.	.	.	.	S(C) 57-	.MO:SU1-2	.H	.	.	.
.NAPOLI/CAPODICHINO	.A	.4051N	1418E 72.	G(R) 66-	.D:SU1,MO:SU2	.D	.	.48	.
.	.	.	.	S(C) 57-	.MO:SU1-2	.H	.	.	.
.BRINDISI	.A	.4039N	1757E 10.	G(R) 65-	.D:SU1,MO:SU2	.D	.	.48	.
.	.	.	.	S(C) 59-	.MO:SU1-2	.H	.	.	.
.CAPO PALINURO	.A	.4001N	1517E 185.	G(R) 57-	.D:SU1,MO:SU2	.D	.	.24	.
.	.	.	.	S(C) 57-	.MO:SU1-2	.H	.	.	.
.CAGLIARI	.A	.3915N	903E 18.	G(R) 61-	.D:SU1,MO:SU2	.D	.	.	.
.	.	.	.	S(C) 64-	.MO:SU1-2	.H	.	.	.
.CROTONE	.A	.3904N	1704 156.	G(R) 65-	.D:SU1,MO:SU2	.D	.	.18	.
.	.	.	.	S(C) 57-	.MO:SU1-2	.H	.	.	.
.USTICA	.A	.3842N	1311E 251.	G(R) 65-	.D:SU1,MO:SU2	.D	.	.18	.
.	.	.	.	S(C) 57-	.MO:SU1-2	.H	.	.	.
.MESSINA	.A	.3812N	1533E 59.	G(R) 64-	.D:SU1,MO:SU2	.D	.	.24	.
.	.	.	.	S(C) 57-	.MO:SU1-2	.H	.	.	.
.TRAPANI	.A	.3755N	1230E 14.	G(R) 59-	.D:SU1,MO:SU2	.D	.	.24	.
.	.	.	.	S(C) 62-	.MO:SU1-2	.H	.	.	.
.GELA	.A	.3705N	1413E 33.	G(R) 66-	.D:SU1,MO:SU2	.D	.	.18	.
.	.	.	.	S(C) 65-	.MO:SU1-2	.H	.	.	.
.PANTELLERIA	.A	.3649N	1158E 170.	G(R) 66-	.D:SU1,MO:SU2	.D	.	.18	.
.	.	.	.	S(C) 57-	.MO:SU1-2	.H	.	.	.

JORDAN

2	3.	4		5	6	7.	8.	9.	10
.BAQURA	.A	.3237N	3537E-170.	G(R) 72-	.	.D	.	.	.
.	.	.	.	S(C) 67-	.	.H	.	.	.
.IRBID	.A	.3233N	3551E 616.	G(R) 75-	.	.D	.	.18	.
.	.	.	.	S(C) 65-	.	.D,H.	.	.	
.WADI ELYABIS	.A	.3224N	3535E-200.	G(R) 76-	.	.D	.	.	.
.DEIR ALLA	.A	.3212N	3537E-224.	G(R) 73-	.	.D	.	.	.
.	.	.	.	S(C) 53-	.	.D,H.	.	.	
.WADI DHULIEL	.A	.3209N	3617E 580.	G(R) 71-	.	.D	.	.	.
.	.	.	.	S(C) 71-	.	.H	.	.	.
.AMMAN AIRPORT	.A	.3157N	3557E 766.	G( ) 76-	.	.H	.	.48	.
.	.	.	.	S(C) 26-56,57-58,59-	.	.D,H.	.	.	
.RABBAH	.A	.3116N	3554E 920.	G(R) 76-	.	.D	.	.	.
.GHOR-SAFI	.A	.3100N	3530E-387.	G(R) 76-	.	.D	.	.	.
.SHAUBAK	.A	.3032N	3532E1365.	G(R) 75-	.	.D	.	.	.
.	.	.	.	S(C) 64-	.	.D,H.	.	.	
.AQABA AIRPORT	.A	.2933N	3500E 51.	G( ) 76-	.	.30M.	.	.17	.
.	.	.	.	S(C) 63-	.	.D,H.	.	.	

LEBANON

2	3.	4		5	6	7.	8.	9.	10
.BEYROUTH	.A	.3349N	3529E 24.	G(K) 64-	.D:SU1,MO:SU2	.	.	.48	.
.	.	.	.	S(C) 64-74	.MO:SU2	.H	.	.	.
.KSARA	.A	.3349N	3553E 922.	G( )	.	.	.	.	.
.	.	.	.	S(C)	.	.	.	.	.

MALTA

2	3.	4		5	6	7.	8.	9.	10
.QRENDI	.GB	.3550N	1426E 135.	G(K) 57-72,74-78	.D:SU1,MO:SU2	.H	.	.	.
.	.	.	.	D(K) 57-72,74-78	.	.H	.	.	.
.	.	.	.	G*( )57-72	.MO:SU2	.H	.	.	.
.	.	.	.	S(C) 57-	.MO:SU1-2	.H	.	.	.
.LUQA	.A	.3551N	1429E 91.	S(C)	.	.H	.	.24	.

THE NETHERLANDS

2	3.	4		5	6	7.	8.	9.	10
.EELDE	.A	.5308N	0635E 4.	G(K) 65-	.D:NL1-2	.H	.H	.24	.
.	.	.	.	S(C) 52-	.D:NL1-2	.H	.H	.	.
.	.	.5313N	0633E 5.	S(C) 05-52	.D:NL1	.H	.H	.	.
.DEN HELDER	.A	.5258N	0445E 15.	G(K) 64-72	.D:NL1-2	.H	.H	.24	.
.	.	.	.	S(C) 08-72	.D:NL1-2	.H	.H	.	.
.DE KOOY	.A	.5255N	0447E 1.	G(K) 72-	.D:NL1-2	.H	.H	.24	.
.	.	.	.	S(C) 72-	.D:NL1-2	.H	.H	.	.
.DE BILT	.A	.5206N	0511E 43.	I(A)	.	.	.	.24	.
.	.	.	.	I(LF) 71-	.	.H	.H	.	.061,RG2,TBS
.	.	.	.	G(K) 54-	.D:NL1-2-SU1,	.H	.H	.	.
.	.	.	.		.MO:SU2	.	.	.	.
.	.	.	.	GX(E2)71-	.	.H	.H	.	.RGB.
.	.	.	.		.	.	.	.	.700-3000NM
.	.	.	.	UV(EU)71-	.	.H	.H	.	.
.	.	.	.	S(C) 1899-	.D:NL1-2	.H	.H	.	.
.	.	.	.	S(J) 00-44	.D:NL1	.H	.H	.	.
.NAALDWIJK	.A	.5159N	0412E .	G(K) 71-	.	.H	.	.	.
.OOSTVOORNE	.A	.5155N	0405E .	G(K) 71-	.	.H	.	.	.
.HELLEVOETSLUIS	.A	.5149N	0408E 8.	G(K) 71-75	.	.H	.	.	.
.	.	.	.	S(C) 43-77	.	.H	.	.	.
.VLISSINGEN	.A	.5127N	0336E 8.	G(K) 63-	.D:NL1-2	.H	.H	.24	.
.	.	.	.	S(C) 07-44,45-	.D:NL1-2	.H	.H	.	.
.BEEK,ZUID-LIMBURG	.A	.5055N	0546E 115.	G(K) 64-	.D:NL1-2	.H	.H	.24	.
.	.	.	.	S(C) 46-	.D:NL1-2	.H	.H	.	.
.	.	.5050N	0541E .	S(C) 06-46	.D:NL1-2	.H	.H	.	.

THE NETHERLANDS

2	3.	4		5	6	7.	8.	9.	10
.SCHIERMONNIKOOG	.A	.5329N	0610E	. S(C) 73-	.	.H	.H	.	.
.UITHUIZERMEEDEN	.A	.5324N	0642E	. S(C) 54-56	.	.H	.	.	.
.TERSCHELLING	.A	.5322N	0513E	55. S(C) 48-50,51-	.	.H	.H	.	.
.TEN BOER	.A	.5316N	0643E	2. S(C) 49-72	.	.H	.	.	.
.LEEUWARDEN	.A	.5313N	0546E	3. S(C) 55-	.	.H	.H	.	.
.BERGUMERDAM	.A	.5310N	0559E	. S(C) 52-57	.	.H	.	.	.
.KORNWERDERZAND	.A	.5304N	0520E	4. S(C) 44-45,45-50,52-	.	.H	.H	.	.
.STAVOREN	.A	.5253N	0521E	5. S(C) 44-50,52-	.	.H	.H	.	.
.WIERINGERWERF	.A	.5248N	0503E	3. S(C) 59-	.	.H	.H	.	.
.HEM/VENHUIZEN	.A	.5240N	0512E	. S(C) 52-53	.	.H	.	.	.
.URK	.A	.5239N	0536E	9. S(C) 44-45,45-50,52	.	.H	.H	.	.
.DEDEMSVAART	.A	.5236N	0629E	9. S(C) 49-	.	.H	.H	.	.
.CASTRICUM	.A	.5233N	0438E	6. S(C) 45-71	.	.H	.	.	.
.LELYSTAD	.A	.5230N	0525E	6. S(C) 53-	.	.H	.H	.	.
.IJMUIDEN	.A	.5228N	0434E	12. S(C) 72-	.	.H	.H	.	.
.AMSTERDAM	.A	.5222N	0454E	15. S(C) 45-	.	.H	.H	.	.
.HARDERWIJK	.A	.5222N	0536E	14. S(C) 52-	.	.H	.H	.	.
.SCHIPHOL	.A	.5218N	0446E	32. S(C) 63-	.	.H	.H	.	.
.TWENTE	.A	.5217N	0654E	58. S(C) 63-	.	.H	.H	.	.
.NOORDWIJK AAN ZEE	.A	.5215N	0426E	. S(C) 51-57	.	.H	.	.	.
.VALKENBURG	.A	.5211N	0425E	6. S(C) 51-	.	.H	.H	.	.
.KOOTWOK RADIO	.A	.5210N	0551E	42. S(C) 51-	.	.H	.H	.	.
.SCHEVENINGEN	.A	.5206N	0416E	51. S(C) 51-	.	.H	.H	.	.
.DEELEN	.A	.5204N	0553E	52. S(C) 63-	.	.H	.H	.	.
.WINTERSWIJK	.A	.5153N	0643E	70. S(C) 51-	.	.H	.H	.	.
.STELLENDAM	.A	.5150N	0403E	. S(C) 77-	.	.H	.H	.	.
.OUDDORP	.A	.5148N	0352E	66. S(C) 48-50,51-	.	.H	.H	.	.
.BERN	.A	.5145N	0511E	9. S(C) 48-50,51-52,53-	.	.H	.H	.	.
.NUMANSDORP	.A	.5143N	0427E	6. S(C) 48-50,51-53,53-	.	.H	.H	.	.
.ZIERIKZEE	.A	.5139N	0356E	2. S(C) 60-	.	.H	.H	.	.
.GILZE-RIJEN	.A	.5134N	0456E	12. S(C) 51-	.	.H	.H	.	.
.GEMERT	.A	.5133N	0541E	18. S(C) 49-	.	.H	.H	.	.
.BERGEN OP ZOOM	.A	.5130N	0416E	. S(C) 69-	.	.H	.H	.	.
.WOENSDRECHT	.A	.5126N	0421E	16. S(C) 56-68	.	.H	.	.	.
.LINNE	.A	.5109N	0556E	32. S(C) 53-	.	.H	.H	.	.

NORWAY

2	3.	4		5	6	7.	8.	9.	10
.ISFJORD RADIO	.A	.7804N	1338E	6. G(R) 50-68	.	.D	.	.8	.
.	.	.	.	. S( ) 52-59	.	.H	.	.	.
.	.	.	.	. S(C) 59-74	.	.H	.	.	.
.BJORNOYA	.A	.7431N	1901E	15. G(R) 69-70	.MO:N1	.D	.	.8	.
.	.	.	.	. G(K) 70-	.MO:N1	.D	.	.	.
.	.	.	.	. S(C) 59-	.MO:N1	.H	.	.	.
.TROMSO	.A	.6939N	1857E	102. I(A) 54*	.	.	.	.3	.
.	.	.	.	. G(R) 45-54	.	.D	.	.	.
.	.	.	.	. G(K) 54-	.MO:N1	.D	.	.	.
.	.	.	.	. S(C) 42-	.MO:N1	.H	.	.	.
.KARASJOK	.A	.6921N	2531E	129. G(R) 50-68	.	.D	.	.5	.
.	.	.	.	. G(K) 77-	.	.H	.	.	.
.	.	.	.	. R(K) 77-	.	.H	.	.	.
.	.	.	.	. Q+( )77-	.	.H	.	.	.
.	.	.	.	. Q-( )77-	.	.H	.	.	.
.	.	.	.	. S(C) 54-	.	.H	.	.	.
.BODO VI	.A	.6716N	1422E	10. G(R) 53-68	.	.D	.	.46	.
.	.	.	.	. S(C) 53-	.	.H	.	.	.
.TRONDHEIM	.A	.6325N	1027E	127. G(R) 59-65	.MO:N1	.D	.	.3	.
.	.	.	.	. S(C) 53-66	.MO:N1	.H	.	.	.
.	.	.6325N	1026E	113. G(K) 65-	.MO:N1	.D	.	.	.
.	.	.	.	. S(C) 65-	.MO:N1	.H	.	.	.
.SOR-NESSET	.A	.6153N	1009E	738. G(R) 60-66	.	.D	.	.4	.
.	.	.	.	. S(C) 55-	.MO:N1	.H	.	.	.
.LOSSET	.	.6122N	1123E	262. G(K) 68-74	.	.H	.	.	.
.	.	.	.	. R(K) 66-74	.	.H	.	.	.
.	.	.	.	. Q+( )68-74	.	.H	.	.	.
.	.	.	.	. Q-( )68-74	.	.H	.	.	.
.	.	.	.	. S(C) 67-74	.	.H	.	.	.
.VARDEN-FILEFJELL	.	.6111N	0809E	1012. G(K) 68-74	.	.H	.	.	.
.	.	.	.	. R(K) 68-74	.	.H	.	.	.
.	.	.	.	. Q+( )68-74	.	.H	.	.	.
.	.	.	.	. Q-( )68-74	.	.H	.	.	.
.	.	.	.	. S(C) 68-74	.	.H	.	.	.
.LAERDAL	.A	.6104N	0731E	36. G(R) 61-68	.	.D	.	.3	.
.KISE PR HEDMARK	.A	.6046N	1049E	126. G(K) 64-	.MO:N1	.D	.	.6	.
.	.	.	.	. S(C) 59-	.MO:N1	.H	.	.	.
.BERGEN	.B	.6024N	0519E	45. I(A)	.	.	.	.8	.
.	.	.	.	. I(MI)	.	.	.	.	.
.	.	.	.	. I(LF)	.	.	.	.	.
.	.	.	.	. G(R)	.	.	.	.	.
.	.	.	.	. G(K) 53-	.	.	.	.	.
.	.	.	.	. G(EZ) 65-	.H:N2,D:SU1,	.	.	.	.
.	.	.	.	.	.MO:SU2	.	.	.	.
.	.	.	.	. D(K)	.H:N2	.	.	.	.
.	.	.	.	. L+(SH)	.H:N2	.	.	.	.
.	.	.	.	. UV(EU)	.H:N2	.	.	.	.290-390NM
.	.	.	.	. E( )	.H:N2	.	.	.	.
.	.	.	.	. S(C) 45-	.H:N2,MO:N1-	.H	.	.	.
.	.	.	.	.	.SU1-2	.	.	.	.
.FURUSMO	.	.6010N	1107E	200. G(K) 68-74	.	.H	.	.	.
.	.	.	.	. R(K) 68-74	.	.H	.	.	.
.	.	.	.	. Q+( )68-74	.	.H	.	.	.
.	.	.	.	. Q-( )68-74	.	.H	.	.	.
.	.	.	.	. S(C) 68-74	.	.H	.	.	.
.VORMSUND	.	.6009N	1127E	152. G(R) 58-68	.	.D	.	.	.
.OSLO BLINDERN	.A	.5956N	1044E	94. I(A)	.	.	.	.3	.
.	.	.	.	. G(R) 59-65	.	.D	.	.	.
.	.	.	.	. G(K) 65-	.MO:N1	.D	.	.	.
.	.	.	.	. S(C) 53-	.MO:N1	.H	.	.	.
.RS	.A	.5940N	1047E	95. G(R) 59-69	.	.D	.	.	.
.	.	.	.	. S(C) 59-	.MO:N1	.H	.	.	.
.KJEVIK	.A	.5812N	0805E	16. G(R) 59-61	.	.D	.	.40	.
.	.	.	.	. G(K) 61-	.MO:N1	.D	.	.	.
.	.	.	.	. S(C) 53-	.MO:N1	.H	.	.	.
.BRONNOYSUND	.A	.6528N	1213E	5. S(C) 55-72	.	.H	.	.	.
.GJERMUNDNES	.A	.6237N	0710E	51. S(C) 63-72	.	.H	.	.	.
.HILDRE	.A	.6236N	0619E	20. S(C) 69-74	.	.H	.	.	.
.SKODJE	.A	.6230N	0641E	30. S(C) 61-	.MO:N1	.H	.	.	.
.STRANDA HELSEM	.A	.6218N	0657E	94. S(C) 64-74	.	.H	.	.	.
.VALLDAL	.A	.6216N	0714E	50. S(C) 62-74	.	.H	.	.	.
.HAREIDE	.A	.6222N	0559E	25. S(C) 63-72	.	.H	.	.	.
.ORSTAVIK	.A	.6212N	0608E	35. S(C) 68-71	.	.H	.	.	.
.FISKAEYGD	.A	.6206N	0535E	41. S(C) 69-	.	.H	.	.	.
.HORNSET	.A	.6148N	1108E	278. S(C) 67-74	.	.H	.	.	.

NORWAY

2	3	4		5	6	7	8	9	10
OTTASEN	A	6144N	1109E	459. S(C) 67-72		H			
BJORKEHAUG	A	6139N	0716E	324. S(C) 63-		H			
HINDSETER	A	6137N	0858E	896. S(C) 71-73		H			
LILLEHAMMER	A	6105N	1029E	226. S(C) 53-58		H			
SONSTERUD	A	6039N	1203E	186. S(C) 60-66		H			
HAUGASTOL	A	6031N	0752E	988. S(C) 53-76	MO:N1	H			
BERGEN-FLORIDA	A	6023N	0520E	39. S(C) 45-		H			
ULLSVANG FORSOKSGARD	A	6019N	0639E	12. S(C) 53-58	MO:N1	H		3	
SULDAL-MO	A	5928N	0625E	58. S(C) 74-		H			
UTSIRA FYR	A	5918N	0453E	55. S(C) 53-58		H			
SOLA	A	5853N	0538E	9. S(C) 53-	MO:N1	H			
LYNGOR FYR	A	5838N	0909E	4. S(C) 73-	MO:N1	H		7	

POLAND

2	3	4		5	6	7	8	9	10
GDYNIA	A	5431N	1833E	20. I(LF) 53*		*,H			
				IX(LF)57*		*			OG1,RG2-8
				G( ) 56-		D			
				G(K) 64-	D:SU1,MO:SU2	H			
				S(C) 48-	D:PL1,MO:SU1-2	H			
KOLOBRZEG	A	5411N	1535E	10. I(MG) 53*		*,H	8		
				IX(MG)57*		*			OG1,RG2-8
				G( ) 57-59		D			
				G(K) 64-	D:SU1,MO:SU2	H			
				S(C) 54-	D:PL1,MO:SU1-2	H			
SUWALKI	A	5406N	2257E	172. I(MG) 53*		*	8		
				IX(MG)57*		*			OG1,RG2-8
				G( ) 57-60		D			
				G(K) 64-	D:SU1,MO:SU2	H			
				D(K)		H			
				S(C) 53-	D:PL1,MO:SU1-2	H			
MIKOLAJKI	A	5347N	2135E	127. I(LF) 60*		*,H	8		
				IX(LF)60*		*			OG1,RG2-8,TBL
				G( ) 60-					
				G(K) 66-	D:SU1,MO:SU2	H			
				D( ) 60-					
				D(K) 66-		H			
				S(C) 59-	D:PL1,MO:SU1-2	H			
BIALOWIEZA	A	5242N	2351E	188. G(K)		H			
				S(C)					
WARSZAWA BIELANY	A	5216N	2059E	130. I(A)		*			
				I(LF) 57*		*,H			
				IX(LF)57*		*			OG1,RG2-8,TBL
				G(R) 57-		D			
				G(K) 60-	D:SU1,MO:SU2	H			
				D(K) 62-		H			
				3*(SH)		H			
				S(C) 57-	D:PL1,MO:SU1-2	H			
BRWINOV	A	5208N	2043E	110. I(MG) 53*		*,H			
				IX(MG)57*		*			OG1,RG2-8
				G( ) 52-					
				G(K) 64-	D:SU1,MO:SU2	H			
				D(K)		H			
				Q*(FU)		H			
				S(C) 49-	D:PL1,MO:SU1-2	H			
BELSK	B	5150N	2047E	188. I(LF) *		*,H			
				IX(LF)		*			TBL
				G(K)	D:SU1,MO:SU2	D,H			
				UV(RS)75-		D			-315NM
				S(C)	MO:SU1-2	D			
PULAWY	A	5125N	2157E	147. I(MG) 55*		*,H			
				IX(MG)57*		*			OG1,RG2-8
				G(R) 64-	D:SU1,MO:SU2	D			
				G(K)		H			
				D(K)		H			
				S(C) 46-	D:PL1,MO:SU1-2	H			
WROCLAW	C	5107N	1705E	131. I(A)					
				I(LF)					
				IX(LF)					
				G(R)					
				G(K)					
				D(K)					
				R(K)					
				Q*( )					
SZRENICA		5046N	1531E	1364. I(MG)					
				G(K)					
				D(K)					
				S(C)					
CHORZOW		5017N	1900E	316. I(MG)					
				G(K)					
				D(K)					
				R(K)					
				S(C)					
RABKA	A	4936N	1959E	500. I(MG) 55*		*			
				IX(MG)57*		*			OG1,RG2-8
				S(C) 49-	D:PL1	H			
ZAKOPANE	A	4918N	1957E	854. I(MG) 53*		*,H	8		
				IX(MG)57*		*			OG1,RG2-8
				G( ) 57-		D			
				G(K) 64-	D:SU1,MO:SU2	H			
				D(K)		H			
				Q*(FU)		H			
				S(C) 45-	D:PL1,MO:SU1-2	H			
KASPROWY-WIERCH	A	4914N	1959E	1991. I(LF) 53*		*,H	8		
				IX(LF)57*		*			OG1,RG2-8
				G( ) 57-		D			
				G(K) 64-	D:SU1,MO:SU2	H			
				D(K)		H			
				S(C) 46-	D:PL1,MO:SU1-2	H			

PORTUGAL

2	3	4	5	6	7	8	9	10
BRAGANCA	A	4149N 646W	691 G(R) 54-	D:P1-SU1,MO:SU2	D		8	
			S(C) 32-	MO:P1-SU1-2				
PORTO	A	4108N 836W	106 I(A)					
			I(SD) 35*		*			
			I(MG) 39*	*P1-3-6	D			GG7,OG1-2,RG2
			112 G(K)	D:P1-6,H:P3				
			G(E1) 39-	H:P3,D:SU1,	H			
				MO:SU2				
			D(K) 57-	D:P3	D			
			106 S(C) 03-20*22-35*39-	MO:P1-SU1-2,				
				D:P6				
PENHAS DOURADAS	A	4025N 733W	1380 G(R) 54-63	D:P1	D		4	
			G(K) 63-	D:P1-SU1,MO:SU2	D			
			S(C) 39-	MO:P1-SU1-2				
COIMBRA	A	4012N 825W	141 I(SD)				8	
			I(MG) 57*	*P1-4	*			OG1,RG2,TBL
			G(K) 55-	D:P1-4-SU1,	D			
				MO:SU2				
			G(BS)	D:P4				
			D(K) 58-	D:P4	D			
			R( ) 57-	D:P4				
			Q*(SH)57-	D:P1				
			S(C)1894-	MO:P1-SU1-2,				
				D:P4				
CORVO	A	3940N 3107W	28 G(R) 55-	D:P1	D		24	
			S(C) 51-	MO:P1				
LISBOA	A	3843N 909W	77 I(A)					
			I(LF) 55*	*P1	*			OG1,RG2-8
			I(E) 55*	*P1	*			OG1,RG2
			I( ) 57-68		D			
			G(E1) 39-	D:P1-SU1,H:P5,	H			
				MO:SU2				
			G( )57-66		D			90N,S
			D(K) 55-		H			
			Q*(SH)61-	D:P1				
			S(C)1891-	MO:P1-SU1-2,				
				D:P5				
ANGRA DO HEROISMO	A	3839N 2714W	92 G(R) 57-	D:P1	D			
			S(C) 35-	MO:P1				
EVORA	A	3834N 754W	309 G(R) 54-	D:P1-SU1,MO:SU2	D		4	
			G(C) 39-	MO:P1-SU1-2				
PONTA DELGADA	A	3745N 2540W	36 G(R) 55-	D:P1	D		24	
			S(C) 33-	MO:P1				
FARO	A	3701N 758W	8 I(MG) 57*				40	OG1,RG2
			G(R) 54-	D:P1-SU1,MO:SU2	D			
			S(C) 39-	MO:P1-SU1-2				
PORTO SANTO	A	3304N 1621W	78 G(R) 56-	D:P1	D		24	
			S(C)	MO:P1				
FUNCHAL	A	3238N 1654W	58 G(K) 54-70	D:P1	D		24	
			S(C)	MO:P1				

ROMANIA

2	3	4	5	6	7	8	9	10
IASI	A	4710N 2735E	104 I(Y)				24	
			I(MI) 64*					OG1,RG2,TBL
			G(Y) 64*					
			G(R) 64-	D:R1-SU1,MO:SU2				
			Q*(Y) 64*					
			E(BL) 64*					
			S(C) 49-	D:R1,MO:SU1-2				
CLUJ-NAPOCA	A	4647N 2334E	410 I(Y)				24	
			I(MI) 57*					OG1,RG2,TBL
			G(Y) 57*					
			G(R) 57-	D:R1-SU1,MO:SU2				
			Q*(Y) 57*					
			E(BL) 57*					
			S(C) 57-	D:R1,MO:SU1-2				
TIMISOARA	A	4547N 2117E	90 I(Y)				24	
			I(MI) 57*					OG1,RG2,TBL
			G(Y) 57*					
			G(R) 57-	D:R1-SU1,MO:SU2				
			Q*(Y) 57*					
			E(BL) 57*					
			S(C) 49-	D:R1,MO:,SU1-2				
BUKARESTI AFUMATI	A	4430N 2613E	91 I(A)					
			I(LF) 68-					OG1,RG2-8,TBL
			I(MI)					OG1,RG2,QUA,
			I(Y)					
			G(Y) 50-					
			G(R)	D:R1-SU1,MO:SU2				
			G(K)					
			D(K)					
			D(Y)					
			R( ) 68-					
			Q*(Y)					
			Q*(SH)68-					
			E(BL)					
			S(C) 50-	D:R1,MO:SU1-2				
GALATI	A	4530N 2801E	71 G(R)	D:R1-SU1,MO:SU2			24	
			S(C) 50-	D:R1,MO:SU1-2				
CRAIOVA	A	4414N 2352E	190 G(R)	D:R1-SU1,MO:SU2				
			S(C) 56-	D:R1-MO:SU1-2				
CONSTANTA	A	4413N 2838E	31 I(Y)				24	
			G(Y)					
			G(R)	D:R1-SU1,MO:SU2				
			Q*(Y)					
			S(C) 58-	D:R1,MO:SU1-2				
MANGALIA	A	4349N 2835E	6 I(Y)				24	
			I(MI) *					RG2,OG1,TBL
			G(Y) *					
			G(R) 61-	D:R1-SU1,MO:SU2				
			Q*(Y) *					
			E(BL) *					
			S(C) 63-	D:R1,MO:SU1-2				

SPAIN

2	3	4		5	6	7	8	9	10
SANTANDER	A	4328N	0349W	79. G(R) 73-		D		.10	
				S(C) 27-		D,H			
OVIEDO	A	4321N	0552W	348. G(R) 72-		D		.11	
				G(K) 75-		H			
				S(C) 25-		D,H			
LUGO	A	4315N	0722W	424. G(R) 76-		D		.10	
				S(C) 63-		D,H			
SANTIAGO DE COMPOSTELA	A	4254N	0826W	370. G(K) 75-		H		.16	
				S(C) 56-		D,H			
LEON	A	4235N	0539W	914. G(R) 75-		D		.16	
				S(C) 42-		D,H			
LOGRONO	A	4227N	0220W	358. G(R) 71-		D		.10	
				S(C) 54-		D,H			
BURGOS	A	4221N	0338W	890. G(R) 75-		D		.16	
				S(C) 42-		D,H			
VALLADOLID	A	4143N	0451W	850. G(K) 75-		H		.16	
				S(C) 42-		D,H			
BARCELONA UNIV.	B	4132N	0207W	105. I(LF) 74*		*		.48	.OG1,RG2-8,
				G(K) 72-		H			.QUA.,TB
				D( ) 72-		H			
				S( ) 21-		H			
BARCELONA PUTXET	A	4125N	0209W	180. G(R) 75-75		D		.48	
				G(K) 76-		D,H			
				S(C) 21-		D,H			
SALAMANCA	A	4057N	0530W	803. G(R) 66-72,76-		D		.16	
				S(C) 45-		D,H			
MOLINA DE ARAGON	A	4051N	0153W	1056. G(R) 76-		D		.7	
				S(C) 46-		D,H			
TORTOSA/EBRO	C	4049N	0020E	50. G(K) 72-		H		.3	
				S(C) 32-		D,H			
MADRID	A	4027N	0343W	669. I( ) 77*		*		.48	
				G(R) 58-		D			
				G(K) 73-		H			
				D(K) 76*		*			
				L+(L) 76*		*			
				UV(EU) 76*		*			
				S(C) 45-		D,H			
CUENCA				G(R) 75-76		D		.7	
				S(C) 43-		D,H			
MAHON/MENORCA	A	3953N	0415W	83. G(R) 76-		D		.16	
				S(C) 31-		D,H			
PALMA DE MALLORCA	A	3934N	0229E	32. G(K) 75-		H		.46	
				S(C) 43-		D,H			
CIUDAD REAL	A	3859N	0355W	628. G(R) 76-		D		.10	
				S(C) 46-		D,H			
ALBACETE	A	3857N	0150W	702. G(R) 76-		D		.10	
				S(C) 46-		D,H			
BADJOZ	A	3853N	0649W	192. G(R) 58-67		D		.11	
				G(K) 75-		H			
				S(C) 29-		D,H			
ALICANTE	A	3822N	0030W	91. G(R) 76-		D		.3	
				S(C) 27-		D,H			
MURCIA	A	3757N	0234W	62. G(R) 72-74		D		.5	
				G(K) 75-		H			
				S(C) 54-		D,H			
CORDOBA	A	3751N	0450W	91. G(R) 76-		D		.10	
				S(C) 67-		D,H			
SEVILLA	A	3725N	0554W	31. G(R)				.46	
				G(K) 75-		H			
				S(C) 51-		D,H			
HUELVA	A	3706N	0644W	45. G(R) 76-		D		.7	
				S(C) 51-		D,H			
ALMERIA	A	3651N	0223W	35. G(R) 76-		D		.16	
				S(C) 34-		D,H			
MALAGA	A	3640N	0130W	7. G(K) 75-		H		.46	
				S(C) 46-		D,H			
CEUTA	A	3555N	0518W	200. G(R) 76-		D		.7	
				S(C) 40-		D,H			
MELILLA	A	3517N	0257W	55. G(R) 76-		D		.16	
				S(C) 42-		D,H			
LA PALMA	A	2837N	1745W	30. G(R) 76-		D		.10	
				S(C) 69-		D,H			

SWEDEN

2	3	4		5	6	7	8	9	10
KIRUNA	A	6751N	2014E	505. G(K) 56-	D:S2-SU1,MO:SU2	H	H	.24	.H:S2:59-60,
				E( ) 62-76		H			.62-64,70-71
				S(C) 56-	MO:SU1-2,D:S1,	H	H		.12H:S2
HARADS	A	6605N	2057E	35. G(K) 59-60	D:S2			.8	
LULEA-KALLAX	A	6533N	2208E	16. G(K) 61-	.12H:S2,D:SU1,	H	H	.24	.H:S2:65-69
					MO:SU2				
				S(C) 57-	MO:SU1-2,D:S1,	H	H		.12H:S2
UMEA-TEG	A	6349N	2004E	10. G(K) 59-	D:S2,12H:S2	H	H	.24	
OSTERSUND-FROSON	A	6318N	1429E	364. G(K) 57-	.12H:S2	H	H	.24	.H:S2:57-60
				S(C) 57-	D:S1,12H:S2	H	H		
SILJANSFORS	B	6053N	1423E	260. G(K) 73-		D			
JADRAAS	B	6050N	1630E	200. G(K) 73-		D			
				Q*(NE)		D			
SANDVIKEN	A	6037N	1648E	110. G(K) 57-59	D:S2	H			
OREGRUND	C	6020N	1850E	G(K) 75-76		D			
ERKEN	A	5950N	1831E	15. G(K) 57-	.12H:S2	H	H		.ON TAPE 7C-
				S(C) 57-65,67-		H	H		.ON TAPE 67-
ULTUNA	E	5949N	1740E	25. G(K) 57-58,63-	D:S2	D			
				S(C) 63-	.12H:S2				
KARLSTAD	A	5922N	1328E	47. G(K) 57-	.12H:S2	H	H	.24	.H:S2:57-60
				S(C) 49-	D:S1,12H:S2	H	H		
STOCKHOLM-BROMMA	A	5921N	1757E	12. G(K) 75-	D:S1-SU1,MO:SU2	H	H	.24	
				D(K) 75-		H	H		
				E( ) 75-76		H			
				S(C) 75-	MO:SU1-2,D:S1	H	H		
STOCKHOLM-SMHI	A	5920N	1802E	43. I(A) 21*75		*			
				G( ) 21-45	MO:S1	D			
				G( ) 45-51	MO:S1	H			
				G(K) 52-56	MO:S1	H			
				G(K) 57-75	.H:S2,D:S1-SU1,	H	H		.MO:SU2
				D(K) 57-75	.12H:S2	H	H		.D:S2:57-60
				E( ) 61-75		H			
				S(J) 08-39	MO:S1				
				S(C) 39-75	MO:SU1-2,D:S1	H	H		.ON TAPE 55-75
STUDSVIK	A	5846N	1723E	75. G(K) 61-66	.12H:S2	H			

SWEDEN

2	3.	4		5	6	7.	8.	9.	10
.NORRKOPING-SMHI	.A	.5835N 1609E	43.	I(EN) 78-	.	.H	.M	.24	.
.	.	.	.	IX(A) 76*	.	.*	.	.	.
.	.	.	.	G(K) 75-	.	.H	.M	.	.
.	.	.	.	G/(K) 76-	.	.H	.M	.	.60S
.	.	.	.	GX(K) 76-79	.	.H	.M	.	.OG1,RG2-10
.	.	.	.	GX(L) 78	.	.H	.M	.	.PAR
.	.	.	.	D(K) 76-	.	.H	.M	.	.
.	.	.	.	Q+(NE)78-	.	.H	.M	.	.
.	.	.	.	S(H) 78-	.	.H	.M	.	.
.	.	.	.	S( ) 78-	.	.H	.M	.	.
.GOTEBORG-TORSLANDA	.A	.5742N 1147E	6.	I(A) 58*75	.	.	.	.24	.
.	.	.	.	G(K) 58-77	.12HS2,	.H	.H	.	.H:S2:58-60
.	.	.	.	S(C) 50-77	.D:S1,12H:S2	.H	.H	.	.ON TAPE 61-77
.GOTEBORG-LANDVETTER	.A	.5740N 1218E	154.	G(K) 78-	.	.H	.	.24	.
.	.	.	.	S(C) 77-	.D:S1	.H	.	.	.
.FISKEBACK	.D	.5740N 1150E		G( ) 73-	.	.	.10M.		.
.	.	.	.	S( ) 73-	.	.	.10M.		.
.VISBY	.A	.5739N 1820E	47.	I(A) 57*	.	.	.	.24	.
.	.	.	.	G(K) 57-	.12H:S2,	.H	.H	.	.H:S2:57-60
.	.	.	.	S(C) 52-	.12H:S2	.H	.H	.	.
.HERRVIK	.C	.5725N 1915E		G(K) 74-76	.	.D	.	.	.
.HORVIK	.C	.5504N 1445E		G(K) 74-76	.	.D	.	.	.
.SVALOV	.A	.5555N 1307E	72.	G(K) 58-	.12H:S2,	.H	.H	.	.H::S2:58-60
.	.	.	.	S(C) 53-	.D:S1,12H:S2	.H	.H	.	.
.MALMO-BULLTOFTA	.A	.5536N 1803E	8.	G(K) 63-73	.12H:S2	.H	.H	.24	.
.	.	.	.	E( ) 65-73	.	.H	.	.	.
.	.	.	.	S(C) 63-73	.	.H	.	.	.
.STURUP	.A	.5533N 1322E	72.	G(K) 73-	.	.H	.H	.24	.
.	.	.	.	E( ) 73-76	.	.H	.	.	.
.	.	.	.	S(C) 75-	.D:S1	.H	.H	.	.
.KATTERJAKK	.A	.6625N 1810E	515.	S(C) 72-	.D:S1	.H	.H	.15	.
.RIKSGRANSEN	.A	.6825N 1808E	508.	S(C) 30-42	.H:S1	.H	.	.	.
.ABISKO	.A	.6820N 1550E	388.	S(C) 33-37,39-50,52-	.D:S1	.H	.H	.3	.ON TAPE 61-
.PAJALA	.A	.6712N 2325E	176.	S(C) 52-	.D:S1	.H	.H	.8	.ON TAPE 61-
.HEMAVAN	.A	.6549N 1506E	475.	S(C) 65-	.D:S1	.H	.H	.8	.
.NORRA SUNDERBYN	.A	.6542N 2151E	20.	S(C) 53-68	.	.H	.	.	.
.LAXBACKEN	.A	.6438N 1625E	345.	S(C) 44-47	.	.H	.	.	.
.UMEA	.A	.6348N 2017E	14.	S(C) 69-	.D:S1	.H	.H	.24	.
.GISSELAS	.A	.6342N 1522E	320.	S(C) 30-65	.	.H	.	.	.
.STORLIEN-VITSJOVALEN	.A	.6318N 1208E	640.	S(C) 53-	.D:S1	.H	.H	.	.ON TAPE 62-
.OSTERASEN	.	.	.	S(C) 25-49	.	.H	.	.	.
.OFFER/UNDROM	.A	.6309N 1746E	27.	S(C) 36-68	.	.H	.	.	.
.SUNDSVALL	.A	.6231N 1726E	4.	S(C) 55-	.D:S1	.H	.H	.24	.ON TAPE 61-
.SVEG	.A	.6202N 1425E	356.	S(C) 50-	.D:S1	.H	.H	.8	.ON TAPE 52-
.ALVDALEN	.A	.6115N 1402E	250.	S(C) 73-	.D:S1	.H	.H	.8	.
.ROMMEHED	.A	.6043N 1550E	.	S(C) 66-70	.	.H	.	.	.
.MARSTA	.A	.5956N 1736E	18.	S(C) 53-	.D:S1	.H	.	.24	.
.ULTUNA	.A	.5949N 1739E	15.	S(C) 57-	.	.H	.	.3	.
.ARVIKA	.A	.5940N 1237E	70.	S(C) 26-48	.	.H	.	.	.
.NYCKELBY/EKERO	.A	.5918N 1743E	25.	S(C) 59-72	.	.H	.H	.	.ON TAPE
.	.	.	.	.	.	.	.	.	.66-67,72
.GRONSKAR	.A	.5917N 1902E	.	S(C) 51-61	.	.H	.	.	.
.SALTSJOBADEN	.A	.5916N 1819E	30.	S(C) 51-64	.	.H	.	.	.
.NYNASHAMN	.A	.5856N 1756E	10.	S(C) 52-62	.	.H	.	.	.
.NORRKOPING-SORBY	.A	.5836N 1813E	10.	S(C) 55-	.D:S1	.H	.H	.24	.ON TAPE 61-
.HASBORG	.A	.5825N 1346E	290.	S(C) 40-74	.	.H	.H	.	.ON TAPE 61-74
.LANNA	.A	.5821N 1308E	80.	S(C) 50-	.D:S1	.H	.H	.8	.ON TAPE 65-
.SVENHOGEN	.A	.5804N 1501E	100.	S(C) 23-20	.	.H	.	.	)
.ROMANAS	.A	.5804N 1501E	155.	S(C) 31-47,52-61	.	.H	.	.	.
.FLAHULT	.A	.5742N 1408E	224.	S(C) 15-23,26-63	.	.H	.	.	.
.JONKOPING	.A	.5746N 1405E	226.	S(C) 64-	.D:S1	.H	.H	.24	.
.KALLTORP	.A	.5743N 1203E	60.	S(C) 23-49	.	.H	.	.	.
.VINGA	.A	.5738N 1137E	19.	S(C) 31-	.D:S1	.H	.H	.8	.ON TAPE 61-
.STYRSO	.A	.5736N 1146E	19.	S(C) 23-49	.	.H	.	.	.
.AMUNDON	.A	.5736N 1155E	10.	S(C) 22-40	.	.H	.	.	.
.MOSSEN	.A	.5717N 1700E	10.	S(C) 58-	.D:S1	.H	.H	.8	.ON TAPE 61-
.EKERUM	.A	.5647N 1635E	40.	S(C) 58-72	.	.H	.H	.	.ON TAPE
.	.	.	.	.	.	.	.	.	.66-67,72
.KALMAR	.A	.5641N 1618E	8.	S(C) 58-63	.	.H	.	.	.
.OLVINGS TORP	.A	.5637N 1607E	15.	S(C) 63-67	.	.H	.	.	.
.URSHULT	.A	.5632N 1447E	.	S(C) 55*60-61	.	.H	.	.	.
.TVINGELSHED	.A	.5618N 1536E	.	S(C) 65-73	.	.H	.H	.	.ON TAPE
.	.	.	.	.	.	.	.	.	.66-67,72
.OLANDS SODRA UDDE	.A	.5612N 1624E	4.	S(C) 37-	.D:S1	.H	.H	.8	.ON TAPE 61-
.EKEBO	.A	.5557N 1308E	30.	S(C) 39-64	.	.H	.	.	.
.HILLESHOG	.A	.5555N 1251E	60.	S(C) 59*60	.	.H	.	.	.
.LUND	.A	.5543N 1312E	73.	S(C) 59-73	.	.H	.H	.	.
.ALNARP	.A	.5539N 1305E	10.	S(C) 40-69	.	.H	.	.	.
.TRELLEBORG	.A	.5523N 1309E	5.	S(C) 66-	.D:S1	.H	.H	.	.

SWITZERLAND

2	3.	4		5	6	7.	8.	9.	10
.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.
.GUTTINGEN	.A	.4736N 0917E	438.	G(K) 77-	.	.	.10M.		.
.	.	.	.	S(H) 77-	.	.	.10M.		.
.BASEL-BINNINGEN	.A	.4732N 0735E	317.	I(A) 58*60,76*78	.	.	.	.3	.
.	.	.	.	I(MI) 58*60,76*78	.	.*	.	.	.OG1,RG2-8,TBS
.	.	.	.	G(D) 58-60,76-78	.	.	.10M.		.
.	.	.	.	G(K) 77-	.	.	.10M.		.
.	.	.	.	G(BS) 54-	.D:CH2,D:CH3	.D	.	.	.
.	.	.	.	S(C)1886-	.D:CH1	.H	.H	.	.
.	.	.	.	S(H) 77-	.	.	.10M.		.
.TANIKON	.A	.4729N 0854E	536.	G(K) 77-	.	.	.10M.	3	.
.	.	.	.	G(BS) 75-	.D:CH1	.D	.D	.	.LAWN
.	.	.	.	S(C) 71-	.MO:CH1	.D	.	.	.
.	.	.	.	S(H) 77-	.	.	.10M.		.
.ZURICH-KLOTEN	.A	.4727N 0834E	431.	G(K) 63-72,76-	.	.H	.5M	.24	.
.	.	.	.	D(K) 63-72,76-	.	.H	.5M	.	.
.	.	.	.	S(C) 59-	.D:CH1	.	.M	.	.
.RECKENHOLZ	.A	.4726N 0831E	443.	G(K) 76-	.	.	.10M.		.
.	.	.	.	S(H) 76-	.	.	.10M.		.
.ZURICH-MZA	.A	.4723N 0834E	569.	G(R) 38-42	.	.	.	.	.
.	.	.	.	G(K) 77-	.	.	.10M.		.
.	.	.	.	G(BS) 64-	.D:CH3,D:CH1	.	.D	.	.LAWN
.	.	.	.	S(C)1884-	.D:CH1	.H	.H	.	.M:1960-1974
.	.	.	.	S(H) 77-	.	.	.M	.	.
.WYNAU	.A	.4715N 0747E	410.	G(K) 77-	.	.	.H	.	.
.	.	.	.	S(H) 77-	.	.	.10M.		.
.SANTIS	.A	.4715N 0921E	2500.	G(K) 76-	.	.	.10M.	3	.
.	.	.	.	S(H) 76-	.	.	.10M.		.
.	.	.	.	S(C)1888-	.D:CH1	.H	.H	.	.
.VADUZ	.A	.4708N 0932E	457.	G(K) 78-	.	.	.10M.	8	.
.	.	.	.	S(H) 76-	.	.	.10M.		.
.	.	.	455.	S(C) 72-73,74	.MO:CH1	.D	.	.	.
.LUZERN	.A	.4702N 0818E	456.	G(K) 77-	.	.	.10M.	3	.
.	.	.	.	S(H) 77-	.	.	.10M.		.
.	.	.4704N 0819E	498.	S(C) 11-	.D:CH1	.D	.D	.	.
.NEUCHATEL	.A	.4700N 0657E	485.	G(K) 77-	.	.	.10M.	3	.
.	.	.	.	S(H) 77-	.	.	.10M.		.
.	.	.	.	S(C) 02-	.D:CH1	.H	.M	.	.

2	3	4	5	6	7	8	9	10
.NAPF	.A	.4700N 0756E1408.	G(K) 77-	.	.	.10M.	.	.
.	.	.	S(H) 77-	.	.	.10M.	.	.
.BERN-LIEBEFELD	.A	.4656N 0725E 570.	G(K) 77-	.	.	.10M.	3	.
.	.	.	S(H) 77-	.	.	.10M.	.	.
.	.	.4657N 0726E 572.	S(C)1886-	.D:CH1	.H	.H	.	.
.ALTDORF	.A	.4652N 0838E 449.	G(K) 78-	.	.	.10M.	3	.
.	.	.	S(H) 78-	.	.	.10M.	.	.
.	.	.	S(C) 56-	.D:CH1	.D	.D	.	.
.LA FRETAZ	.A	.4650N 0637E1202.	G(K) 77-	.	.	.10M.	.	.
.	.	.	S(H) 77-	.	.	.10M.	.	.
.WEISSFLUHJOCH	.A	.4650N 0948E2670.	I(MI) 57-58	.	.	.	.3	.OG1,RG2-8,TBS
.	.	.	I(LF) 58-59	.	.	.	.	.OG1,RG2-8,TBS
.	.	.	G(R) 46-70	.D:CH5	.	.	.	.
.	.	.	G(BS) 55-76	.D:CH3-CH5	.	.D	.	.ROOF
.	.	.	G(D) 70-	.D:CH5	.	.D,H.	.	.H:1000-1400
.	.	.	S(C) 46-	.MO:CH1	.D	.D	.	.
.PAYERNE	.A	.4649N 0657E 489.	G(K) 77-	.	.	.10M.	8	.
.	.	.	S(H) 77-	.	.	.10M.	.	.
.	.	.	S(C) 52-	.MO:CH1	.D	.D	.	.
.DAVOS	.A	.4649N 0951E1590.	G(K) 77-	.	.	.10M.	3	.
.	.	.	S(H) 77-	.	.	.10M.	.	.
.	.	.4648N 0949E1590.	I(A)	.	.	.	.	.NUMEROUS TBA,
.	.	.	I(MI)09*10,12*29,31*	.	.	.	.	.TBS,TBL WITH
.	.	.	I(MI) 20*29,31*	.	.	.	.	.FILTERS OG1,
.	.	.	I(D) 21*69	.	.	.	.	.RG2-8
.	.	.	G(R) 35-57,58-59	.	.D	.	.	.
.	.	.	G(K) 43-50,58-65	.	.H	.H	.	.G(..)58-70
.	.	.	G(E.) 63-68	.	.	.	.	.5M ON TAPE
.	.	.	G(D) 68-	.D:SU1, SU2	.H	.H	.	.
.	.	.	G(BS) 44-70,75-	.D:CH3	.	.D	.	.ROOF
.	.	.	D(K) 44-50,58-67	.	.H	.H	.	.D(..)58-70
.	.	.	D(D) 68-	.	.	.	.	.5M ON TAPE
.	.	.	R(D) 58-63	.	.	.	.	.
.	.	.	G(D) 58-59	.H:IGY	.	.	.	.4-COMPONENT
.	.	.	R(D) 58-59	.H:IGY	.	.	.	.RADIATION
.	.	.	Q+(D) 58-59	.H:IGY	.	.	.	.BALANCE
.	.	.	Q-(D) 58-59	.H:IGY	.	.	.	.METER
.	.	.	UV(RB) * ,73-	.	.	.	.	.
.	.	.	S(C)1885-	.D:CH1,MO:SU1-2	.H	.H	.	.
.PULLY	.A	.4631N 0640E 461.	G(K) 77-	.	.	.10M.	.	.
.	.	.	S(H) 77-	.	.	.10M.	.	.
.INTERLAKEN	.A	.4641N 0752E 754.	S(C) 65-67,68-	.	.	.	.	.
.	.	.4640N 0753E 580.	G(K) 77-	.	.	.10M.	.	.
.	.	.	S(H) 77-	.	.	.10M.	.	.
.CHANGINS	.A	.4624N 0614E 435.	G(BS) 64-76	.D:CH1	.D	.D	.3	.LAWN
.	.	.	G(K) 76*77-	.	.	.10M.	.	.
.	.	.	S(C) 65-	.MO:CH1	.	.	.	.
.	.	.	S(H) 76*77-	.	.	.10M.	.	.
.ROBBIA	.A	.4621N 1004E1078.	G(K) 78-	.	.	.10M.	.	.
.	.	.	S(H) 78-	.	.	.10M.	.	.
.SION	.A	.4614N 0722E 542.	G(K) 77-	.	.	.10M.	8	.
.	.	.	S(H) 77-	.	.	.10M.	.	.
.	.	.	S(C) 40-	.D:CH1	.D	.D	.	.
.LOCARNO-MONTI	.A	.4610N 0847E 380.	I(A) 44*	.	.	.	.3	.
.	.	.	I(V) 35-44	.	.H	.	.	.TBS 1935-1970
.	.	.	I(LF) 45-	.	.H	.	.	.OG1,RG8
.	.	.	I(MG) 35-36,44*45	.	.	.	.	.
.	.	.	I(SD) 44*55	.	.	.	.	.
.	.	.	G(R) 38-59*	.	.D	.	.	.
.	.	.	G(K) 57-71	.	.H	.H	.	.
.	.	.	G(D) 72-	.D:SU1,MO:SU2	.H	.H	.	.
.	.	.	G(K) 76*77-	.	.	.10M.	.	.
.	.	.	G(BS) 53-	.	.D	.	.	.ROOF
.	.	.	G(BS) 60-	.	.D	.	.	.LAWN
.	.	.	G/(K) 60-65	.	.H	.	.	.30E,S,W,60S
.	.	.	G/(K) 61-71	.	.H	.5M	.	.90N,E,S,W
.	.	.	G/(D) 72-	.	.H	.H	.	.90N,E,S,W
.	.	.	D(K) 57-71	.	.H	.H	.	.
.	.	.	D(D) 72-	.	.H	.H	.	.
.	.	.	D(BS) 60-	.	.D	.	.	.LAWN
.	.	.	Q+(D) 58-71	.	.	.	.	.LAWN
.	.	.	S(MA) 35-38	.	.	.H	.	.
.	.	.	S(C) 38-	.D:CH1,MO:SU1-2	.H	.H	.	.
.	.	.	S(H) 76*77-	.	.	.10M.	.	.
.LUGANO	.A	.4600N 0858E 275.	G(K) 77-	.	.	.10M.	3	.
.	.	.	S(H) 77-	.	.	.10M.	.	.
.	.	.	S(C)1886-	.D:CH1	.H	.H	.	.
.ZURICH (GASOMETERSTR.)	.D	405.	G(K) 79-	.	.H	.H	.	.ROOF
.	.	.	G/(K) 76-77	.	.H	.H	.	.45SSE
.	.	.	D(K) 79-	.	.H	.H	.	.
.ZURICH (TRIEMLISK)	.D	440.	G(K) 77*77	.	.30M.	.	.	.
.NANTE/AIROLO	.E	.4631N 0837E1440.	G(K) 76*	.	.H	.H	.	.ONLY SUMMER
.ESCHKEN-LINDAU	.E	.4727N 0841E 565.	G(K) 73-76,77	.	.15M.	15M.	.	.
.	.	555.	GX(L) 78*	.	.15M.	15M.	.	.PAR,VEG.-
.	.	.	.	.	.	.	.	.PERIOD
.TUFFENWIES ZH	.F	.	G(K) 70-	.	.	.6D	.	.ROOF
.THUN	.G	55.	G(K) 74-74	.	.CON.	.	.	.ROOF
.BERN	.G	502.	G(K) 74-74	.	.CON.	.	.	.
.DUBENDORF	.G	450.	G( ) 77-	.	.10M.	10M.	.	.ROOFTERASS
.	.	.	GX(L) 77-	.	.10M.	10M.	.	.PAR
.MAGADINO	.G	195.	GX(L) 77-	.	.10M.	10M.	.	.PAR
.KASTANIENBAUM	.G	450.	.	.	.	.	.	.
.	.	.	GX(L) 77-	.	.10M.	10M.	.	.PAR
.DUBENDORF	.G	430.	G(K) 77-	.	.4M	.H	.	.
.BANNINE	.H	435.	I( ) 69-71	.	.H	.H	.	.
.BERN	.I	540.	G(S) 77*78	.	.CON.	H	.	.
.	.	.	R(S) 77*78	.	.CON.	H	.	.
.MOHLIN	.I	.	G(S) 77*77	.	.CON.	H	.	.
.	.	.	R(S) 77*77	.	.30M.	H	.	.
.TRAVERS LES ROTS	.J	1090.	G(R) 73-74	.	.CON.	.	.	.
.SAVIRIT/LUKY	.K	.	G(K) 79-	.	.15M.	15M.	.	.
.	.	.	G/(K) 79-	.	.15M.	15M.	.	.50DEGREES
. ECUBLENS	.K	.	I( ) 79-	.	.15M.	15M.	.	.
.	.	.	G(K) 79-	.	.15M.	15M.	.	.
.	.	.	G/(K) 79-	.	.15M.	15M.	.	.90S
.	.	.	G/(K) 79-	.	.15M.	15M.	.	.FOLLOW SUN
.EPELINGS	.K	.	G(K) 77-	.	.20M.	20M.	.	.
.	.	.	G/(K) 77-	.	.20M.	20M.	.	.33DEGREES
.GENEVE	.L	.4612N 0609E 370.	G(K) 78-	.	.20S.	30M.	.	.ROOF
.	.	.	D(K) 78-	.	.20S.	30M.	.	.
.FINDELEN	.M	.4600N 0748E2500.	G(D) 70*	.	.H	.H	.	.ONLY SUMMER
.SION	.M	.4614N 0721E 500.	G(D) 73-	.	.H	.H	.	.ROOF
.BRIEOLA	.N	.4603N 0734E2400.	G(D) 69*	.	.H	.H	.	.ONLY SUMMER
.STAFEL	.M	.4600N 0740E2200.	G(D) 67*	.	.H	.H	.	.ONLY SUMMER

2	3.	4	5	6	7.	8.	9.	10
.PAYERNE	.N	.4647N 0656E 491.	G(K) 77-		.10M.	.10M.		
			R(K) 77-		.10M.	.10M.		
			Q+(LR) 77-		.10M.	.10M.		
			Q+(LR) 77-		.10M.	.10M.		
			Q-(LR) 77-		.10M.	.10M.		
.ZURICH (8032)	.O	.4722N 0834E 450.	G/(K) 78-79		.30M.	.30M.		.90DEG.
								.SUN FOLLOW
.ECUBLENS	.P	.4631N 0635E 400.	G(K) 78-		.30M.	.30M.		
			G/(K) 76,77-		.30M.	.30M.		.90S
			D(K) 78-		.30M.	.30M.		
.ROTTENSCHWIE	.Q	.4719N 0822E 384.	G(D) 77-78		.3M	.3M		
.WURENLINGEN	.R	.4732N 0814E 339.	G(K) 77-		.6M	.6M		
			G/(K) 75-76,77-		.6M	.6M		.40S,SUMMER
			G/(K) 75-76,77		.6M	.6M		.70S,WINTER
			D(K) 77-		.6M	.6M		
.MOOSFLUH/FESCH	.S	.4624N 0803E2180.	G(K) 72*		.M	.M		
.EWIGSCHNEEFELD	.S	.4635N 0803E3366.	G(D) 73-73		.M	.M		
			R(D) 73-73		.M	.M		
			Q+(D) 73-73		.M	.M		
			Q-(D) 73-73		.M	.M		
.DREIEN/RIET	.S	.4722N 0901E 720.	G(K) 75-77,77		.5M	.5M		
			R(K) 75-77,77		.5M	.5M		
.GAHUST/BRIEL	.S	.4723N 0900E 750.	G(K) 75-78		.5M	.5M		
			G(D) 78-		.5M	.5M		
			D(K) 78-		.5M	.5M		
			R(D) 78-		.5M	.5M		
			Q+(D) 78-		.5M	.5M		
			Q-(D) 78-		.5M	.5M		
.GROSSERALETSCHGLETSCHER	.S	.4625N 0804E2185.	G(D) 65-65		.M	.M		.GLACIER
			R(D) 65-65		.M	.M		
			Q+(D) 65-65		.M	.M		
			Q-(D) 65-65		.M	.M		
.BIRMENSDORF	.S	550.	G(S) 69-		.H	.H		
			G(L) 69-					
			G(BS) 61-		.D			.GARDEN
			GX(L) 69-					.PAR
.STILLBERG/DAVOS	.S	2094.	G(S) 74-		.H	.H		
			G(L) 74-					
			GX(L) 74-					.PAR
			G/(S) 74-		.H	.H		.40NE
			R/(S) 74-		.H	.H		.40NE
.NEUHAUSEN	.A	.4741N 0837E 425.	G(BS) 76-		.D	.D	.3	
			S(C) 63-	.MO:CH1	.D			
.UNTERBOZBERG	.A	.4729N 0809E 514.	G(BS) 76-	.MO:CH1	.D		.3	
.STEIN (AR)	.A	.4723N 0921E 786.	G(BS) 77-		.D	.D	.3	
			S(C) 58-	.MO:CH1	.D			
.AARAU-UNTERENTFELDEN	.A	.4722N 0803E 409.	G(BS) 71-	.D:CH3	.D	.D	.3	.LAWN
.DELEMONT	.A	.4722N 0721E 416.	G(BS) 72-	.D:CH1	.D	.D	.3	.LAWN
			S(C) 72-	.MO:CH1	.D			
.EINSIEDELN	.A	.4708N 0845E 910.	G(BS) 75-	.D:CH1	.D	.D	.3	.LAWN
			S(C) 75-	.MO:CH1	.D			
.OESCHBERG	.A	.4708N 0737E 482.	G(BS) 73-	.D:CH1	.D	.D	.3	.LAWN
			S(C) 60-	.MO:CH1	.D	.D		
.MENZBERG	.A	.4702N 0800E1035.	G(BS) 74-	.D:CH1	.D	.D	.3	.LAWN
			S(C) 74-	.MO:CH1	.D			
.PLANTAHOF (B.LANDQUART)	.A	.4658N 0934E 530.	G(BS) 74-	.D:CH3	.D	.D		
			S(C) 09-	.MO:CH1	.D	.D		
.FRIBOURG-POSIEUX	.A	.4646N 0707E 634.	G(BS) 71-	.D:CH1	.D	.D	.3	.LAWN
			S(C) 71-	.MO:CH1	.D			
.LE BRASSUS	.A	.4633N 0610E1075.	G(BS) 74-	.MO:CH1	.D	.D	.3	.LAWN
			S(C) 74-	.MO:CH1	.D			
.BEVER	.A	.4633N 0958E1710.	G(BS) 75-	.MO:CH1	.D	.D	.3	.LAWN
.ADELBODEN	.A	.4630N 0733E1355.	G(BS) 66-	.D:CH1	.D	.D	.3	.LAWN
			S(C) 66-	.D:CH1	.D			
.MONTANA SIERRE	.A	.4619N 0729E1506.	G(BS) 71-		.D	.D	.3	
			S(C) 26-	.D:CH1	.D	.D		
.TURTMANN	.A	.4618N 0741E 622.	G(BS) 70-		.D	.D	.3	.LAWN
			S(C) 70-	.MO:CH1	.D			
.VISP	.A	.4617N 0753E 656.	G(BS) 59-70	.D:CH3	.D	.D		.LAWN
			S(C) 59-70					
.RIDDES	.A	.4611N 0713E 470.	G(BS) 59-63	.MO:CH1	.D	.D		.LAWN
.FEY-NENDAZ	.A	.4611N 0716E 780.	G(BS) 59-70,73	.MO:CH1	.D	.D	.3	.GARDEN
.VERNAYAZ	.A	.4608N 0702E 453.	G(BS) 70-	.D:CH1	.D	.D	.3	.LAWN
			S(C) 69-	.MO:CH1	.D			
.MARTIGNY	.A	.4607N 0704E 455.	G(BS) 59-69	.D:CH3	.D	.D		.GARDEN
			S(C) 59-69		.D			
.COTTERG	.A	.4605N 0713E 880.	G(BS) 59-63	.MO:CH1	.D	.D		.LAWN
.HALLAU (SCHAFFHAUSEN)	.A	.4742N 0828E 450.	S(C) 1887-	.MO:CH1	.D	.D	.3	
.HAIDENHAUS	.A	.4739N 0901E 694.	S(C) 1893-23		.D			
.ZURZACH	.A	.4735N 0818E 336.	S(C) 69-		.D			
.DUUS-WINTERSINGEN	.A	.4730N 0752E 444.	S(C) 1893-13,14-26		.D			
.BREITENHOF	.A	.4730N 0749E 555.	S(C) 61-		.D			
.LIESTAL	.A	.4729N 0744E 325.	S(C) 01-18		.MO:			
.WINTERTHUR-SEEN	.A	.4729N 0846E 495.	S(C) 71-	.MO:CH1	.D		.3	
.ST.GALLEN	.A	.4726N 0925E 664.	S(C) 56-	.D:CH1	.D	.D	.3	
.BARMELWEID	.A	.4725N 0758E 770.	S(C) 43-	.MO:CH1	.D			
.ZURICH-PILAUSSTR.		.4723N 0832E 535.	S(C) 71-		.D			
.ALLERHEILIGENBERG	.A	.4721N 0749E 890.	S(C) 13-24,26-68,		.D			
.OLTEN	.A	.4721N 0754E 412.	S(C) 69-	.MO:CH1	.D	.D	.3	
.SEENGEN	.A	.4720N 0812E 468.	S(C) 64-78	.MO:CH1	.D			
.WALD	.A	.4717N 0857E 908.	S(C) 1899-12,40-	.MO:CH1	.D			
.WADENSWIL	.A	.4713N 0841E 470.	S(C) 24-	.MO:CH1	.D			
.MONT SOLEIL	.A	.4710N 0700E1183.	S(C) 13-	.MO:CH1	.D	.D	.3	
.UNTERWGEREI	.A	.4709N 0836E 850.	S(C) 15-	.MO:CH1	.D			
.WALENSTADTBERG	.A	.4708N 0917E 982.	S(C) 26-67					
.HUTTWIL	.A	.4707N 0751E 638.	S(C) 71-	.MO:CH1	.D		.3	
.LA CHAUX-DE-FONDS	.A	.4706N 0650E 990.	S(C) 01-	.D:CH1	.D	.D	.3	
.GLARUS	.A	.4703N 0904E 470.	S(C) 74-	.MO:CH1	.D		.3	
.RIGI-KALTBAD	.A	.4703N 0828E1493.	S(C) 54-	.MO:CH1	.D		.3	
.OBERIBERG	.A	.4702N 0847E1187.	S(C) 54-66		.D			
.BAD RAGAZ	.A	.4700N 0930E 510.	S(C) 56-	.MO:CH1	.D	.D	.3	
.PLANTAHOF BEI LANDQUART		.4658N 0934E 530.	S(C) 09-	.MO:CH1	.D			
.BRAUNWALD	.A	.4656N 0900E1190.	S(C) 35-		.D			
.CHASSERON	.A	.4651N 0632E1601.	S(C) 53-67		.D			
.CHABLES	.A	.4650N 0648E 565.	S(C) 65-75	.MO:CH1	.D		.3	
.NIEDERMUHLERN	.A	.4649N 0728E 955.	S(C) 70-	.MO:CH1	.D			
.ENGLISBERG	.A	.4649N 0825E1015.	S(C) 69-	.MO:CH1	.D	.D	.3	
.SCHULS	.A	.4648N 1018E1253.	S(C) 29-	.MO:CH1	.D		.3	
.AROSA	.A	.4647N 0941E1818.	S(C) 1890-	.MO:CH1	.D	.D	.3	
.HEILIGENSCHWENDI	.A	.4645N 0742E1126.	S(C) 1899-71		.D		.3	
.BEATENBERG	.A	.4642N 0747E1230.	S(C) 30-50,56-70		.D	.D	.3	
.DISENTIS	.A	.4642N 0851E1173.	S(C) 54-	.MO:CH1	.D	.D	.3	
.GUTSCH	.A	.4639N 0837E2288.	S(C) 58-	.D:CH1	.D	.D	.8	
.MURREN	.A	.4633N 0753E1639.	S(C) 66-	.MO:CH1	.D		.3	

SWITZERLAND

2	3.	4	5	6	7.	8.	9.	10
JUNGFRAUJOCH(FORSCH.INS)	A	4633N	0759E3460. S(C) 32-47		D			
JUNGFRAUJOCH(SPHINX)	A	4633N	0759E3576. S(C) 38-	MO:CH1	M	M	.3	
LAUSANNE	A	4632N	0639E 618. S(C)1886-	D:CH1	H	H	.3	
AIROLO	A	4632N	0836E1139. S(C) 69-	MO:CH1	D	D	.3	
OLIVONE	A	4632N	0857E 905. S(C) 76-	MO:CH1	D		.3	
ST.MORITZ	A	4630N	0950E1833. S(C) 00-	MO:CH1	D	M	.3	
SIGNAL DE BOUGY		4629N	0621E 695. S(C) 71-76	MO:CH1	D	D	.3	
CHATEAU D'OEX	A	4629N	0708E 994. S(C) 48-	MO:CH1		D		
RECKINGEN	A	4628N	0815E1331. S(C) 66-	MO:CH1	D		.3	
S.BERNARDINO	A	4628N	0911E1628. S(C) 69-	MO:CH1	D		.3	
BIVIO	A	4628N	0939E1770. S(C) 53-	MO:CH1	H		.3	
MONTREUX-CLARENS	A	4627N	0654E 408. S(C)1893-	MO:CH1	D	D	.3	
LA DOLE	A	4626N	0606E1685. S(C) 67-	MO:CH1	D		.3	
ROCHERS DE NAYE	A	4626N	0659E1982. S(C)1898-11,30-39,42 -45		D			
PIZ CORVATSCH	A	4625N	0949E3313. S(C) 68-		D			
LE SEPEY	A	4622N	0704E1267. S(C) 77-	MO:CH1	D		.3	
LEYSIN	A	4621N	0701E1356. S(C)1899-76	MO:CH1	D	D	.3	
SIERRE	A	4618N	0732E 573. S(C) 06-24*27-39		H	H		
CHIPPIS	A	4617N	0732E 529. S(C) 53-62,63-70		D	D		
MONTHEY	A	4615N	0658E 405. S(C) 54-	MO:CH1	D		.3	
GENEVE-AEROPORT	A	4614N	0606E 430. S(C) 52-	D:CH1	D	D	.24	
GENEVE-OBS.	A	4612N	0609E 405. S(C)1897-66	MO:CH1	D	D	.3	
SAAS-ALMAGELL	A	4606N	0757E1667. S(C) 72-		D		.3	
ZERMATT	A	4601N	0745E1632. S(C) 59-71		D	D		
MONTE-BRE	A	4601N	0859E 910. S(C) 13-20,21-22,23	MO:CH1	D		.3	
AGRA	A	4558N	0854E 565. S(C) 16-17,19-34					

SYRIA

2	3.	4	5	6	7.	8.	9.	10
MESSELMIYEH-ALEPPO	A	3620N	3713E 425. I(E) 70*		*			
			G(E1) 70-	D:SU1,MO:SYR1 -SU2	H			
			D(E1) 70-		H			
			S(C) 66-	MO:SU1-2	H			
RAQQA	A	3527N	3900E 251. I(E) 72*		*			
			G(E1) 72-	D:SU1,MO:SYR1 -SU2	H			
			D(E1) 72-		H			
			S(C) 60-	MO:SU1-2	H			
DAMASCUS-DOUMA	A	3334N	3623E 679. G(K) 63-67	D:SU1, SU2				
			D(K) 64-					
			S(C) 63-	MO:SU1-2	H			
KHARABO-DAMASCUS	A	3330N	3628E 620. I(E) 71*		*			
			G(E1) 71-	D:SU1,MO:SYR1 -SU2	H			
			D(E1) 71-		H			
			S(C) 71-	MO:SU1-2	H			

TURKEY

2	3.	4	5	6	7.	8.	9.	10
EDIRNE	A	4140N	2634E 48. G(R) 63-		D		.24	
			S(C)		M			
KASTAMONU	A	4122N	3346E 799. G(R) 63-		D		.6	
			S(C)		H			
KARADENIZ/EREGLI	A	4117N	3125E 2. G( ) 63-		D			
SAMSUN	A	4117N	3620E 44. G(R) 64-		D		.24	
			S(C)		H			
RIZE	A	4102N	4030E 4. G(R) 65-		D			
			S(C)		H			
TRABZON	A	4100N	3943E 35. G(R) 63-		D		.24	
			S(C)		H			
FLORYA	A	4059N	2846E 34. G(R) 65-		D			
			S(C)		H			
GIRESUN	A	4055N	3824E 35. G(R) 67-		D		.24	
			S(C)		H			
GOLUK/DUMLUPINAR	A	4043N	2949E 18. G(R)		D		.24	
			S(C)		M			
CANKIRI	A	4036N	3337E 754. G(R) 63-		D			
			S(C)		H			
KARS	A	4036N	4305E1775. G(R) 64-		D		.6	
			S(C)		H			
BURSA	A	4011N	2904E 101. G(R) 63-		D		.24	
			S(C)		H			
CANAKKALA	A	4008N	2624E 8. G(R) 64-		D		.24	
			S(C)		H			
ANKARA/CENTRAL	A	3957N	3253E 902. G(R) 65-		D			
			S(C)		H			
IGDIR	A	3956N	4402E 858. G(R) 66-		D		.6	
			S(C)		H			
ERZURUM	A	3955N	4116E1869. G(R) 62-		D			
			S(C)		H			
ESKISEHIR	A	3946N	3031E 785. G(R) 64-		D			
			S(C)		H			
SIVAS	A	3945N	3701E1285. G(R) 63-		D			
			S(C)		H			
ERZINCA	A	3944N	3930E1156. G(R) 66-		D			
			S(C)		H			
BALIKESIR	A	3939N	2752E 147. G(R) 64-		D			
			S(C)		H			
SIVRIHISAR	A	3927N	3133E1000. G(R) 66-		D			
			S(C)		H			
KIRSEHIR	A	3908N	3410E 985. G(R) 66-		D		.6	
			S(C)		H			
DIKILI	A	3903N	2652E 3. G(R) 66-		D		.24	
			S(C)		H			
USAK	A	3840N	2925E 919. G(R) 66-		D		.24	
			S(C)		H			
ELAZIG	A	3836N	3917E 892. G(R) 64-		D		.24	
			S(C)		M			
VAN	A	3827N	4319E1667. G(R) 68-		D		.24	
			S(C)		M			
AKSARAY	A	3823N	3403E 980. G(R) 65-		D			
			S(C)		H			
MALATYA	A	3821N	3818E 998. G(R) 63-		D			
			S(C)		H			
AYDIN	A	3751N	2750E 57. G(R) 63-		D			
			S(C)		M			
ADIAMAN	A	3745N	3817E 750. G(R) 64-		D			
			S(C)		H			

TURKEY

2	3.	4		5	6	7.	8.	9.	10
ISPARTA	A	3745N	3033E 997.	G(R) 64-		D		.24	
				S(C)		H			
SIVEREK	A	3745N	3919E 850.	G(R) 67-		D			
				S(C)		H			
HAKKARI	A	3734N	4346E1620.	G(R) 65-		D			
MUGLA	A	3712N	2821E 646.	G(R) 63-		D			
				S(C)		H			
URFA	A	3708N	3846E 547.	G(R) 63-		D			
				S(C)		H			
BIRECIK	A	3702N	3758E 459.	G(R) 65-		D			
				S(C)		H			
GAZIANTEP	A	3705N	3722E .	G(R) 64-		D		.6	
				S(C)		H			
ADANA/INCIRLIK	A	3700N	3525E 73.	G(R) 62-		D		.24	
				S(C)		H			
ANTALYA	A	3642N	3044E 50.	G(R) 63-		D		.24	
				S(C)		H			

U.S.S.R.

2	3.	4		5	6	7.	8.	9.	10
				G( )				.8	
				S(C)					
ARKHANGELSK	A	6435N	4030E 6.	I( ) 53*	*SU3			.8	
				G(Y) 53*57-	H:SU3,D:SU1,				
					MO:SU2				
				D(Y) 53*57-	H:SU3				
				R(Y) 53*					
				Q*(Y) 54-					
				S(C) 54-	MO:SU1-2				
PETROZAVODSK	A	6149N	3416E 40.	G( )				.8	
				S(C)					
SORTAVALA	A	6143N	3043E 18.	G( )				.8	
				S(C)					
KARGOPOL	A	6130N	3856E 121.	G( )				.8	
				S(C)					
NOVAJA LADOGA	A	6007N	3219E 9.	G( )				.8	
				S(C)					
LENINGRAD-VOEIKOVO	A	5958N	3018E 72.	I(A)				.8	
				I(Y)					
				I( ) 52*54					
				I( ) 54-	H:SU3				
				G(Y) 52*54-	H:SU3,DSU1,				
					MO:SU2				
				D(Y) 52*54-	H:SU3				
				R(Y) 52*54-	H:SU3				
				Q*(Y) 52*54-	H:SU3-SU1,MO:SU				
				S(C) 54-	MO:SU1-2				
NIKOLAEVSKOE	A	5834N	2948E 93.	G( )				.8	
				S(C)					
VALDAJ	A	5758N	3314E 219.	I(Y)				.8	
				G(Y)					
				D(Y)					
				S(C)					
KOSTROMA	A	5744N	4057E 139.	G( )				.8	
				S(C)					
NOLINSK	A	5733N	4954E 136.	G(Y)		H			
				S(C)					
RIGA	A	5658N	2404E 3.	I(Y)				.8	
				G(Y)					
				D(Y)					
				S(Y)					
GORKIJ	A	5613N	4349E 82.	G(Y)				.8	
				S(C)					
MOSCOW	A	5545N	3734E 187.	I(A)				.8	
				I( ) *	*SU3				
				G(Y) 57-	H:SU3,D:SU1,				
					MO:SU2				
				D(Y) 62-	SU3				
				R(Y) 65-	H:SU3				
				Q*(Y) 57-	H:SU3-SU1,				
					MO:SU2				
				L*( )53-					
				S(C) 53-	MO:SU1-2				
MOSCOW UNIVERSITY	A	5542N	3730E 192.	G(Y)	D:SU1,MO:SU2				
				Q*(Y)	H:SU1,MO:SU2				
				S(C)	MO:SU1-2				
KAUNAS	A	5453N	2353E 73.	I(M1)				.8	
				I( ) *	*SU3				
				G(Y) 38-51,56-	H:SU3,D:SU1,				
					MO:SU2				
				D(Y) 57-	H:SU3				
				R(Y) 55-					
				Q*(Y) 55-					
				S(C) 24-	MO:SU1-2				
SMOLENSK	A	5445N	3204E 241.	G( )				.8	
				S(C)					
MINSK	A	5352N	2732E 234.	I(Y)				.8	
				G(Y)					
				D(Y)					
				S(C)					
PAVELEC	A	5347N	3915E 210.	G( )				.8	
				S(C)					
VASILEVICI	A	5215N	2950E 140.	G( )				.8	
				S(C)					
PINSK	A	5207N	2608E 144.	G(Y)				.8	
				S(C)					
VORONEG	A	5142N	3910E 164.	G( )				.8	
				S(C)					
SARATOV	A	5134N	4602E 156.	G( )				.8	
				S(C)					
ERSOV	A	5120N	4821E .	G( )				.8	
KONOTOP	A	5114N	3312E 149.	G( )				.8	
				S(C)					
KOVEL	A	5113N	2441E 176.	G( )				.8	
				S(C)					
KAMENNAJA STEP	A	5103N	4042E 194.	G( )					
				S(C)					
KIEV	A	5024N	3027E 121.	I(Y) *				.8	
				I( )					
				G(Y) 55-	D:SU1,MO:SU2				
				D(Y) 55-					
				R(Y) 59-					
				Q*(Y) 58-	H:SU1,MO:SU2				
				S(C) 53-	MO:SU1-2				

2	3.	4		5	6	7.	8.	9.	10
BORISPOL	A	5020N	3058E 119.	G(Y)	H:SU3			.8	
				D(Y)	H:SU3				
				Q*(Y)	H:SU3				
				S(C)					
NOVAJA OUCHIZA	A	4851N	2716E 227.	G( )				.8	
				S(C)					
ZNAMENKA	A	4643N	3240E 200.	G( )				.8	
				S(C)					
KICHINEV	A	4701N	2852E 95.	G(Y)				.8	
				D(Y)					
				Q*(Y)					
				S(C)					
BOTEVO	A	4641N	3551E 25.	G( )				.8	
				S(C)					
HERSON	A	4640N	3237E 48.	G( )				.8	
				S(C)					
ODESSA	A	4629N	3038E 42.	I(A)				.8	
				I(Y) 30*41,47*	H				
				G(Y) 30-41,47-	H:SU3,D:SU1, MO:SU2				
				D(Y) 30-41,47-	H:SU3				
				R(Y) 59-	H:SU3				
				Q*(Y) 58-	H:SU3-SU1, MO:SU2				
				S(C) 47-	MO:SU1-2				
ASKANIJA NOVA	A	4627N	3353E 28.	G( )				.8	
				S(C)					
ASTRAHAN	A	4616N	4802E 18.	G( )				.8	
				S(C)					
BOLGRAD	A	4540N	2837E 81.	G( )				.8	
				S(C)					
SOCI	A	4335N	3943E .	G( )					
SUHUMI	A	4301N	4101E 37.	G( )					
				S(C)					
MAHACKALA	A	4301N	4726E -14.	G( )					
				S(C)					
ANASEULI	A	4155N	4159E 174.	G( )					
				S(C)					
TELAVI	A	4156N	4523E 562.	G(Y)					
				S(C)					
TBILISI	A	4141N	4457E 427.	I(A)					
				I( ) 28*	*SU3				
				I(Y) -	H:SU3				
				G(Y) 37-	H:SU3,D:SU1 MO:SU2				
				D(Y) 37-	H:SU3				
				R(Y) 58-	SU3				
				Q*(Y) 57-	H:SU1-3,MO:SU2				
				S(C)1891-	MO:SU1-2				
LENINAKAN	A	4047N	4350E1529.	G( )					
				S(C)					
KIROVABAD	A	4043N	4625E 303.	G( )					
				S(C)					
SEVAN	A	4033N	4456E1937.	G(Y)					
				D(Y)					
				S(C)					
EREVAN	A	4008N	4428E 907.	G( )					
				S(C)					
NAHICEVAN	A	3912N	4525E 875.	G( )					
				S(C)					

UNITED KINGDOM

2	3.	4		5	6	7.	8.	9.	10
LERWICK	A	6008N	111W 82.	G(K) 52-	MO:GB1-SU2, D:SU1	H	H	.24	
				D(K) 52-	MO:GB1	H	H	.	
				E(MO) 56-77	MO:GB1	H	H	.	
				Q*(KE)64-	H:SU1,MO:SU2	H	.	.	
				S(C) 21-	MO:SU1-2	H	H	.	
STORNOWAY	A	5813N	619W 9.	G(K) 81-		H	H	.24	
				D(K) 80-		H	H	.	
				S(C) 62-		H	H	.	
ABERDEEN	B	5710N	205W 35.	G(K) 66-		H	H	.24	
DUNSTAFFNAGE	C	5626N	526W 3.	G(K) 71-		H	H	.1	
MYLNEFIELD(DUNDEE)	D	5627N	304W 30.	G(K) 67-73		D	D	.1	
				G(K) 73-		H	.	.	
				Q*(KE)73-		.	.	.	
				S(C) 67-		H	H	.	
SHANWELL	A	5626N	252W 4.	G(K) 81-		H	H	.	
				D(K) 81-		H	H	.	
				S(C) 80-		H	H	.	
EDINBURGH (ROYAL OBS.)		5555N	311W 134.	G(K) 70-71		D	.	.	
				S(C) 70-71		.	.	.	
AUCHINCRUIVE	E	5529N	434W 45.	G(K) 75-		D	D	.1	
				S(C) 32-		.	.	.	
ESKDALEMUIR	A	5519N	312W 242.	G(K) 52-	MO:GB1-SU2, D:SU1	H	H	.24	
				D(K) 52-	MO:GB1	H	H	.	
				Q*(KE)64-	H:SU1,MO:SU2	H	H	.	
				E(MO) 56-77	MO:GB1	H	H	.	
				S(C) 10-	MO:SU1-2	H	H	.	
MOOR HOUSE	F	5441N	223W 560.	G(K) 71-		H	D	.1	
				S(C) 53-71		H	H	.	
ALDERGROVE	A	5469N	613W 68.	G(K) 68-	MO:GB1-SU2,D:SU1	H	H	.24	
				D(K) 68-	MO:GB1	H	H	.	
				Q*(KE)66-	H:SU1,MO:SU2	H	H	.	
				E(MO) 72-77	MO:GB1	H	H	.	
				S(C) 26-	MO:SU1-2	H	H	.	
CAWOOD	G	5350N	108W 6.	G(K) 58-63*66-		D	D	.1	
				S(C) 58-		H	H	.	
FAIRFIELD/KIRKHAM	H	5348N	253W 24.	G(K) 58-		D	D	.1	
				S(C) 58-		D	D	.	
AUGHTON	A	5333N	255W 55.	G(K) 81-		H	H	.	
				D(K) 81-		H	H	.	
				S(C) 80-		H	H	.	
SUTTON BONINGTON	I	5250N	115W 48.	G(K) 58-63,64-		D	D	.1	
				S(C) 58-		H	H	.	
HEMSBY	A	5241N	141E 13.	G(K) 81-		H	H	.	
				D(K) 81-		H	H	.	
				S(C) 80-		H	H	.	
EAST HARLING	J	5227N	055E 21.	G(K) 64-74		D	D	.	
				S(C) 69-		H	H	.	
GRAFHAM WATER		5217N	019W .	G(K) 70-75		D	.	.	

2	3.	4			5	6	7.	8.	9.	10
.CAMBRIDGE	.A	.5213N	006E	23.	G(K) 57-71	.D:SU1,MO:SU2	.H	.H	.1	.
.	.	.	.	.	D(K) 57-71	.	.H	.H	.	.
.	.	.	.	.	S(C) 57-71	.MO:SU1-2	.H	.H	.	.
.ABERPORTH	.A	.5208N	434W	133.	G(K) 53-55*59-	.MO:GB1-SU2,D:SU.	H	.H	.24	.
.	.	.	.	.	D(K) 53-55*59-	.MO:GB1	.H	.H	.	.
.	.	.	.	.	S(C) 46-	.MO:SU1-2	.H	.H	.	.
.CARDINGTON	.A	.5206N	025W	29.	G(K) 72-	.MO:GB1,D:SU1	.H	.H	.24	.
.	.	.	.	.	D(K) 72-	.MO:GB1	.H	.H	.	.
.	.	.	.	.	S(C) 51-	.	.H	.H	.	.
.SILSOE	.L	.5201N	025W	59.	G(K) 58-	.	.D	.D	.1	.
.	.	.	.	.	D(K) 71-	.	.D	.D	.	.
.	.	.	.	.	S(C) 58-	.	.H	.H	.	.
.GRENDON UNDERWOOD	.H	.5154N	105W	70.	G(K) 64-	.	.D	.D	.1	.
.	.	.	.	.	S(C) 64-	.	.H	.	.	.
.ROTHAMSTED	.N	.5148N	021W	128.	G(K) 55-	.	.D	.D	.1	.
.	.	.	.	.	S(C) 55-	.	.H	.	.	.
.GARSTON	.O	.5142N	023W	77.	G(K) 57-	.	.D	.D	.1	.
.	.	.	.	.	S(C) 57	.	.H	.H	.	.
.WALLINGFORD	.M	.5136N	110W	49.	G(K) 64-	.	.D	.D	.1	.
.	.	.	.	.	S(C) 64-	.	.H	.	.	.
.HURLEY	.	.5132N	049W	43.	G(K) 70-73	.	.H	.	.	.
.	.	.	.	.	S(C) 52-	.	.D	.	.	.
.LONDON WEATHER CENTRE	.A	.5131N	007W	77.	G(K) 56-	.MO:GB1-SU2,D:SU.	H	.H	.24	.
.	.	.	.	.	D(K) 57-	.MO:GB1	.H	.H	.	.
.	.	.	.	.	E(MO) 67-77	.MO:GB1	.	.H	.	.
.	.	.	.	.	S(C) 50-	.MO:SU1-2	.H	.H	.	.
.KEW	.A	.5128N	019W	5.	I(A)	.	.	.	.24	.
.	.	.	.	.	I(MG) 32-	.	.H	.H	.	.
.	.	.	.	.	G(K) 50-	.MO:GB1-SU2,D:SU.	H	.H	.	.
.	.	.	.	.	D(K) 50-	.MO:GB1	.H	.H	.	.
.	.	.	.	.	Q*(K) 53	.H:SU1,MO:SU2	.H	.H	.	.
.	.	.	.	.	E(MO) 50-77	.MO:GB1	.H	.H	.	.
.	.	.	.	.	E(MO) 64-74	.	.H	.H	.	.DIFFUSE
.	.	.	.	.	S(C)1881-	.MO:SU1-2	.H	.H	.	.
.SHINFIELD	.	.5125N	0057W	61.	G(K) 57-61	.	.D	.	.	.
.BRACKNELL	.A	.5123N	047W	73.	I(A) *	.	.	.	.S	.RG2,TBA
.	.	.	.	.	I(MG) 74-	.	.H	.H	.	.
.	.	.	.	.	G(K) 65-	.MO:GB1-SU2,D:SU.	H	.H	.	.
.	.	.	.	.	G/(K) 67-	.	.H	.H	.	.90N,E,S,W
.	.	.	.	.	D(K) 65-	.MO:GB1	.H	.H	.	.
.	.	.	.	.	E(MG) 65-77	.MO:GB1	.H	.H	.	.
.	.	.	.	.	E(MO) 65-77	.	.H	.H	.	.DIFFUSE
.	.	.	.	.	S(C) 65-	.MO:SU1-2	.H	.H	.	.
.EAST MALLING	.P	.5117N	027E	37.	G(K) 63-	.	.D	.D	.1	.
.	.	.	.	.	S(C) 25-	.	.H	.	.	.
.CRAWLEY	.A	.5105N	000W	143.	G(K) 80-	.	.H	.H	.	.
.	.	.	.	.	D(K) 80-	.	.H	.H	.	.
.	.	.	.	.	S(C) 80-	.	.H	.H	.	.
.WYE	.	.5104N	057E	59.	G(K) 66-	.	.	.	.	.
.	.	.	.	.	S(C) 68-	.	.	.	.	.
.RUSTINGTON	.G	.5049N	031W	8.	G(K) 64-68,72-	.	.D	.D	.1	.
.	.	.	.	.	S(C) 60-	.	.H	.	.	.
.EFFORD	.H	.5044N	134W	16.	G(K) 57-	.	.D	.D	.1	.
.WAREHAM	.R	.5041N	211W	10.	G(K) 66-	.	.D	.D	.	.
.CAMBORNE	.A	.5013N	519W	87.	G(K) 81-	.	.H	.H	.	.
.	.	.	.	.	D(K) 81-	.	.H	.H	.	.
.	.	.	.	.	S(C) 80-	.	.H	.H	.	.
.JERSEY AIRPORT	.A	.4913N	212W	83.	G(K) 68-	.MO:GB1-SU2,D:SU.	H	.H	.	.
.	.	.	.	.	D(K) 68-	.MO:GB1	.H	.H	.	.
.	.	.	.	.	Q*(KE)69-	.H:SU1,MO:SU2	.H	.	.	.
.	.	.	.	.	E(MO) 69-	.MO:GB1	.	.H	.	.
.	.	.	.	.	S(C) 35-	.MO:SU1-2	.	.	.	.
.BALTASOUND	.A	.6046N	0053W	26.	S(C)	.	.D	.	.	.
.WEYLAND	.A	.5859N	0257W	.	S(C)	.	.D	.	.	.
.KIRKWALL	.A	.5857N	0254W	29.	S(C)	.	.D	.	.	.
.CAPE WRATH	.A	.5837N	0500W	117.	S(C)	.	.D	.	.	.
.DOUNREAY	.A	.5835N	0344W	22.	S(C)	.	.D	.	.	.
.TORRISDALE	.A	.5831N	0417W	37.	S(C)	.	.D	.	.	.
.WICK	.A	.5827N	0305W	36.	S(C)	.	.H	.	.	.
.INVERPOLLY	.A	.5804N	0516W	56.	S(C)	.	.D	.	.	.
.LARG	.A	.5802N	0425W	98.	S(C)	.	.D	.	.	.
.SCALPAY	.A	.5752N	0642W	31.	S(C)	.	.D	.	.	.
.POOLEWE	.A	.5747N	0536W	11.	S(C)	.	.D	.	.	.
.FRASERBURGH	.A	.5742N	0200W	32.	S(C)	.	.D	.	.	.
.BANFF	.A	.5740N	0231W	29.	S(C)	.	.D	.	.	.
.KINLOSS	.A	.5739N	0334W	8.	S(C)	.	.D	.	.	.
.ELGIN	.A	.5738N	0318W	30.	S(C)	.	.D	.	.	.
.KINLOCHEWE	.A	.5737N	0518W	24.	S(C)	.	.D	.	.	.
.FOOES	.A	.5737N	0336W	53.	S(C)	.	.D	.	.	.
.DIARAIG	.A	.5735N	0541W	.	S(C)	.	.D	.	.	.
.FORTROSE	.A	.5735N	0408W	6.		.	.	.	.	.
.NAIRN	.A	.5735N	0352W	8.		.	.	.	.	.
.INVERNESS	.A	.5729N	0413W	14.	S(C)	.	.D	.	.	.
.BENBECULA	.A	.5728N	0722W	13.	S(C)	.	.H	.	.	.
.PRABOST	.A	.5728N	0619W	108.	S(C)	.	.D	.	.	.
.CUMNOCK	.A	.5727N	0416W	113.	S(C)	.	.D	.	.	.
.GLENLIVET	.A	.5721N	3021W	226.	S(C)	.	.D	.	.	.
.GRANTOWN-ON-SPEY	.A	.5720N	0320W	286.	S(C)	.	.D	.	.	.
.INVERURIE	.A	.5716N	0222W	64.	S(C)	.	.D	.	.	.
.DYCE	.A	.5712N	0212W	59.	S(C)	.	.H	.	.	.
.CRAIBSTONE	.A	.5711N	0212W	93.	S(C)	.	.D	.	.	.
.GLENMORE	.A	.5710N	0340W	343.	S(C)	.	.D	.	.	.
.FORT AUGUSTUS	.A	.5708N	0440W	42.	S(C)	.	.D	.	.	.
.ABERDEEN	.A	.5708N	0208W	54.	S(C)	.	.D	.	.	.
.DINNET	.A	.5707N	0255W	184.	S(C)	.	.D	.	.	.
.BRAEMAR	.A	.5700N	0324W	357.	S(C)	.	.D	.	.	.
.STONEHAVEN	.A	.5658N	0212W	7.	S(C)	.	.D	.	.	.
.ONICH	.A	.5643N	0513W	16.		.	.	.	.	.
.ARBROATH	.A	.5633N	0235W	31.		.	.	.	.	.
.TIREE	.A	.5630N	0653W	17.	S(C)	.	.H	.	.	.
.DUNDEE	.A	.5628N	0256W	102.		.	.	.	.	.
.PERTH	.A	.5624N	0327W	27.	S(C)	.	.D	.	.	.
.LEUCHARS	.A	.5623N	0253W	11.	S(C)	.	.H	.	.	.
.ST.ANDREWS	.A	.5620N	0247W	34.	S(C)	.	.D	.	.	.
.CUPAR	.A	.5619N	0302W	45.	S(C)	.	.D	.	.	.
.KINROSS	.A	.5613N	0325W	117.	S(C)	.	.D	.	.	.
.KIRCALDY	.A	.5608N	0310W	32.	S(C)	.	.D	.	.	.
.STIRLING	.A	.5607N	0356W	42.	S(C)	.	.D	.	.	.
.EARLS HILL	.A	.5604N	0403W	340.	S(C)	.	.D	.	.	.
.HELENSBURGH	.A	.5601N	0443W	91.	S(C)	.	.D	.	.	.
.FALKIRK	.A	.5601N	0346W	5.	S(C)	.	.D	.	.	.
.DUNBAR	.A	.5600N	0231W	24.	S(C)	.	.D	.	.	.
.EDINBURGH(ROYAL BOT GDS)	.A	.5558N	0312W	39.	S(C)	.	.D	.	.	.
.EDINBURGH(TURNHOUSE APT)	.A	.5557N	0321W	47.	S(C)	.	.H	.	.	.
.EDINBURGH (EAST-CRAIGS.)	.A	.5557N	0319W	63.	S(C)	.	.D	.	.	.
.HADDINGTON	.A	.5557N	0247W	52.	S(C)	.	.D	.	.	.
.GREENOCK	.A	.5556N	0446W	145.	S(C)	.	.D	.	.	.
.GLASGOW	.A	.5553N	0414W	131.	S(C)	.	.D	.	.	.
.ABBOTSINCH	.A	.5552N	0426W	9.	S(C)	.	.H	.	.	.

2	3.	4		5	6	7.	8.	9.	10
.PAISLEY	.A .5551N	0426W	46. S(C)			.D			
.BUSH HOUSE	.A .5551N	0312W	165. S(C)			.D			
.ROTHESAY	.A .5550N	0504W	58. S(C)			.D			
.PENCUIK	.A .5550N	0313W	236. S(C)			.D			
.EAST KILBRIDE	.A .5545N	0410W	185. S(C)			.D			
.BLYTHE	.A .5545N	0240W	. S(C)			.D			
.MARCHMONT	.A .5544N	0225W	153. S(C)			.D			
.BLYTH BRIDGE	.A .5542N	0322W	255. S(C)			.D			
.LANARK	.A .5540N	0347W	185. S(C)			.D			
.GALASHIELS	.A .5537N	0249W	210. S(C)			.D			
.GRAWFORDJOHN	.A .5530N	0346W	. S(C)			.D			
.PRESTWICK AIRPORT	.A .5530N	0335W	16. S(C)			.H			
.CAMP RESERVOIR	.A .5529N	0335W	329. S(C)			.D			
.MACHRIHANISH	.A .5526N	0524W	12. S(C)			.H			
.KILDONAN	.A .5526N	0506W	. S(C)			.D			
.BOULMER	.A .5525N	0136W	.S(C)			.D			
.GIRVAN	.A .5515N	0415W	17. S(C)			.D			
.RESEDALE	.A .5515N	0216W	. S(C)			.D			
.COCKLE PARK	.A .5513N	0141W	100. S(C)			.D			
.CLATTERINGSHAWS	.A .5505N	0416W	180. S(C)			.D			
.DUMFRIES	.A .5504N	0336W	45. S(C)			.D			
.TYNEMOUTH	.A .5501N	0125W	37. S(C)			.D			
.PENHIRN	.A .5459N	0456W	155. S(C)			.D			
.NEWCASTLE WEATHER CENTRE	.A .5458N	0137W	. S(C)			.H			
.CARLISLE	.A .5456N	0257W	42. S(C)			.H			
.WASHINGTON	.A .5454N	0129W	. S(C)			.D			
.GIRDSTINGWOOD	.A .5448N	0357W	99. S(C)			.D			
.DURHAM	.A .5446N	0135W	113. S(C)			.D			
.HARTLEPOL	.A .5441N	0112W	25. S(C)			.D			
.WIDDYBANK FELL	.A .5440N	0217W	.			.			
.HARTBURN GRANGE	.A .5434N	0122W	. S(C)			.D			
.WHITBY	.A .5429N	0036W	44. S(C)			.D			
.POINT OF AYRE	.A .5425N	0422W	11. S(C)			.D			
.SELLAFIELD	.A .5425N	0330W	15. S(C)			.H			
.SILPHO MOOR	.A .5420N	0031W	205. S(C)			.D			
.LEEMING	.A .5418N	0132W	. S(C)			.H			
.SCARBOROUGH	.A .5418N	0024W	33. S(C)			.D			
.SNAIZEHOLME	.A .5416N	0215W	.			.			
.DOUGLAS	.A .5410N	0429W	. S(C)			.D			
.NEWTON RIGG	.A .5410N	0247W	173. S(C)			.D			
.HIGH MOWTHORPE	.A .5406N	0088W	176.			.			
.BRIDLINGTON	.A .5406N	0012W	49. S(C)			.D			
.RONALDSWAY	.A .5405N	0438W	21. S(C)			.H			
.MORECAMBE	.A .5404N	0252W	12. S(C)			.D			
.HAZELRIGG	.A .5401N	0247W	. S(C)			.D			
.HARROGATE	.A .5401N	0133W	63. S(C)			.D			
.SLAIDBURN	.A .5359N	0226W	202. S(C)			.D			
.ASKHAM BRYAN	.A .5357N	0105W	29. S(C)			.D			
.YORK (HELSINGTON)	.A .5357N	0102W	. S(C)			.D			
.ILKLEY	.A .5356N	0150W	79. S(C)			.D			
.DRAMHAM	.A .5352N	0120W	56. S(C)			.D			
.STONYHURST	.A .5351N	0228W	120. S(C)			.D			
.BRADFORD	.A .5349N	0146W	136. S(C)			.D			
.SQUIRLS GATE	.A .5346N	0302W	. S(C)			.D			
.HULL	.A .5345N	0016W	13. S(C)			.D			
.HELMSMORE	.A .5341N	0220W	262. S(C)			.D			
.SOUTHPORT	.A .5340N	0258W	15. S(C)			.D			
.HUDDERSFIELD (OAKES)	.A .5339N	0150W	232. S(C)			.D			
.BOLTON	.A .5335N		. S(C)			.D			
.CLEETHORPES	.A .5333N	0001W	12. S(C)			.D			
.MANCHESTER	.A .5329N	0215W	73. S(C)			.H			
.FINNINGLEY	.A .5329N	0100W	19. S(C)			.D			
.ST.HELENS	.A .5326N	0246W	. S(C)			.D			
.BIDSTON	.A .5324N	0304W	73. S(C)			.D			
.SHEFFIELD	.A .5323N	0129W	143. S(C)			.D			
.AIGBURTH	.A .5322N	0255W	. S(C)			.D			
.PRESTATYN	.A .5321N	0324W	11. S(C)			.D			
.RINGWAY	.A .5321N	0216W	70. S(C)			.H			
.LLYN ALAW	.A .5320N	0427W	. S(C)			.D			
.RHYL	.A .5319N	0330W	13. S(C)			.D			
.COLWYN BAY	.A .5317N	0343W	14. S(C)			.D			
.NESS GARDENS	.A .5316N	030W	. S(C)			.D			
.VALLEY	.A .5315N	0432W	18. S(C)			.D			
.BUXTON	.A .5315N	0155W	306. S(C)			.D			
.ABER	.A .5314N	0401W	2. S(C)			.D			
.LINCOLN	.A .5314N	0030W	9. S(C)			.D			
.PEN-Y-FRIDD	.A .5313N	0409W	. S(C)			.D			
.WARSOP	.A .5313N	0107W	. S(C)			.D			
.WINGERWORTH	.A .5312N	0127W	. S(C)			.D			
.WADDINGTON	.A .5310N	0031W	79. S(C)			.D			
.LOGGERHEADS	.A .5309N	0312W	. S(C)			.D			
.ASHOVER	.A .5309N	0128W	. S(C)			.D			
.SKEGNESS	.A .5309N	0021E	23. S(C)			.D			
.RUTHIN	.A .5307N	0318W	78. S(C)			.D			
.CRANWELL	.A .5302N	0030W	. S(C)			.H			
.WATWALL	.A .5301N	0115W	123. S(C)			.H			
.KEELE	. .5300N	0216W	180. S(C)			.D			
.CWMYSTRADLLYN	.A .5259N	0409W	. S(C)			.H			
.NOTTINGHAM CASTLE	.A .5257N	0109W	84. S(C)			.D			
.DERBY	.A .5256N	0128W	50. S(C)			.D			
.CROMER	.A .5256N	0111E	56. S(C)			.D			
.BALA	.A .5254N	0335W	. S(C)			.D			
.KIRTON	.A .5254N	0000W	. S(C)			.D			
.STONE	.A .5253N	0211W	107. S(C)			.D			
.BOTWNNOG	.A .5251N	0434W	36. S(C)			.D			
.OSWESTRY	.A .5251N	0304W	175. S(C)			.D			
.SHAWBURY	.A .5248N	0240W	32. S(C)			.H			
.NEWPORT	.A .5246N	0252W	67. S(C)			.D			
.TERRINGTON	.A .5245N	0018E	5. S(C)			.D			
.SHREWSBURY	.A .5243N	0243W	61. S(C)			.D			
.PENKRIDE	.A .5242N	0206W	.			.			
.NEWTOWN LINFORD	.A .5241N	0113W	123. S(C)			.D			
.WITTERING	.A .5237N	0027W	71. S(C)			.D			
.GORLESTON	.A .5235N	0143E	5. S(C)			.D			
.COVENTRY	.A .5232N	0131W	94. S(C)			.D			
.CALDECOTT	.A .5231N	0044W	56. S(C)			.D			
.HAMPTON LOADE	.A .5229N	0222W	. S(C)			.D			
.SANTON DOWNHAM	.A .5228N	0041E	26. S(C)			.D			
.BIRMINGHAM (ELMDON)	.A .5227N	0144W	. S(C)			.H			
.GOGERDDAN	.A .5226N	0401W	31. S(C)			.D			
.MEPAL	.A .5226N	0005E	. S(C)			.D			
.ABERYSTWYTH	.A .5225N	0404W	23. S(C)			.D			
.LOWESTOFT	.A .5225N	0145E	28. S(C)			.D			
.MONKS WOOD	.A .5224N	0014W	. S(C)			.D			
.SCOLE	.A .5222N	0111E	. S(C)			.D			
.TRANSCOED	.A .5220N	0356W	63. S(C)			.D			
.HONINGTON	.A .5220N	0046E	. S(C)			.H			
.RAUNDS	.A .5220N	0031W	59.			.			
.BROOMS	.A .5216N	0034E	76. S(C)			.D			
.TREGARON	.A .5215N	0358W	. S(C)			.D			
.MORETON MORRELL	.A .5212N	0133W	87. S(C)			.D			
.STRATFORD-UPON-AVON	.A .5211N	0144W	55. S(C)			.D			

2	3	4		5	6	7	8	9	10
CWMYSTYMYTH	A	5210N	0342W 301. S(C)			D			
LUDDINGTON	A	5210N	0146W 45. S(C)			D			
WATTISHAM	A	5207N	0058E . S(C)			H			
PERSHORE (INST.OF HORT.)	A	5205N	0203W 41. S(C)			D			
SHIPSTON-ON-STOUR	A	5204N	0142W 112. S(C)			D			
PRESTON WYNNE	A	5201N	0230W 85. S(C)			D			
MALVERN	A	5201N	0219W 63. S(C)			D			
WOBURN	A	5201N	0035W 91. S(C)			H			
CHELTENHAM	A	5154N	0203W 84. S(C)			D			
BRAWDY	A	5153N	0507W 112. S(C)			D			
INNSWORTH	A	5153N	0212W . S(C)			D			
LUTON	A	5153N	0022W . S(C)			D			
CARMARTHEN	A	5152N	0417W 17. S(C)			D			
AYLESBURY	A	5148N	0047W 99. S(C)			D			
LLWYNON	A	5147N	0326W 340. S(C)			D			
CLACTON-ON-SEA	A	5147N	0109E 28. S(C)			D			
OXFORD	A	5146N	0116W 94. S(C)			D			
ST.ALBANS	A	5146N	0018W 99. S(C)			D			
HODDESDON	A	5146N	0010W 45. S(C)			D			
HARLOW	A	5146N	0008E . S(C)			D			
WRITTLE	A	5144N	0026E 32. S(C)			D			
CRUBLAND PLANTION	A	5143N	0246W 247. S(C)			D			
DALE FORT	A	5142N	0509W 35. S(C)			D			
USK	A	5142N	0256W 23. S(C)			D			
TENBY	A	5140N	0442W . S(C)			D			
SOUTHGATE	A	5138N	0007W 69. S(C)			D			
ENFIELD	A	5138N	0003W 19. S(C)			D			
SWANSEA	A	5137N	0355W 15. S(C)			D			
BENSON	A	5137N	0105W . S(C)			H			
HARROW WEALD	A	5137N	0020W . S(C)			D			
WEALDSTONE	A	5136N	0020W 66. S(C)			D			
PENMAEN	A	5135N	0407W . S(C)			D			
HAMPSTED	A	5134N	0011W 139. S(C)			D			
NEWPORT	A	5133N	0302W 25. S(C)			D			
SHOEBURYNESS	A	5132N	0049E 15. S(C)			D			
BRISTOL (FILTON)	A	5131N	0235W 66. S(C)			D			
LYNCHAM	A	5130N	0159W 146. S(C)			D			
STANFORD-LE-HOPE	A	5130N	0026E . S(C)			D			
PORTHCAWL	A	5129N	0342W 6. S(C)			D			
CARDIFF (BUTE PARK)	A	5129N	0319W . S(C)			D			
LONDON (HEATHROW)AIRPORT	A	5129N	0027W 30. S(C)			H			
GREENWICH	A	5129N	0000W 21. S(C)			D			
READING UNIVERSITY	A	5127N	0057W 46. S(C)			D			
LONG ASHTON	A	5126N	0240W 69. S(C)			D			
MARLBOROUGH	A	5125N	0144W 149. S(C)			D			
HAMTON	A	5125N	0022W 34. S(C)			D			
RHOUSE	A	5124N	0321W 70. S(C)			D			
MARGATE	A	5124N	0124E 17. S(C)			D			
HERNE BAY	A	5121N	0107E 9. S(C)			D			
FAVERSHAM	A	5117N	0051E 51. S(C)			G			
WISLEY	A	5117N	0026W 36. S(C)			D			
HADLOW COLLEGE	A	5113N	0020E . S(C)			D			
LONG SUTTON	A	5112N	0056W 160. S(C)			D			
ILFRACOMBE	A	5112N	0408W 51. S(C)			D			
EDENBRIDGE	A	5112N	0008E . S(C)			D			
ALICE HOLT LODGE	A	5111N	0051W 126. S(C)			D			
ULCOMBE	A	5111N	0038E . S(C)			D			
BOSCOMBE DOWN	A	5110N	0145W 126. S(C)			H			
LONDON (GATWICK AIRPORT)	A	5109N	0011W 60. S(C)			D			
PORTON DOWN	A	5107N	0142W 112. S(C)			D			
LECKFORD	A	5107N	0127W 119. S(C)			G			
MARTYR WORTHY	A	5106N	0116W 86. S(C)			D			
HAWKRIDGE	A	5105N	0336W 315. S(C)			D			
FOLKESTONE	A	5105N	0111E 49. S(C)			D			
FERNHURST	A	5102N	0042W 59. S(C)			D			
HARTLAND POINT	A	5101N	0432W 91. S(C)			D			
ROGATE	A	5100N	0051W . S(C)			D			
NORTH HEATH	A	5059N	0029W . S(C)			D			
HURSTPIERPOINT	A	5057N	0010W . S(C)			D			
SOUTHAMPTON	A	5055N	0124W 38. S(C)			D			
EAST HOATHLY	A	5055N	0009E 41. S(C)			D			
CHELDON BARTON	A	5054N	0348W . S(C)			D			
PLUMPTON	A	5054N	0005W .			D			
HASTINGS	A	5051N	0034E 51. S(C)			D			
BUDE	A	5050N	0433W 16. S(C)			D			
			. S(C)			D			
WORTHING	A	5049N	0022W 34. S(C)			D			
BRIGHTON	A	5049N	0008W 35. S(C)			D			
SOUTHSEA	A	5048N	0106W . S(C)			D			
HURN	A	5047N	0150W . S(C)			H			
HAYLING ISLAND	A	5047N	0059W 9. S(C)			D			
BOGNOR REGIS	A	5047N	0041W 46. S(C)			D			
EASTBOURNE	A	5046N	0017E 33. S(C)			D			
POOLE	A	5045N	0159W 12. S(C)			D			
EXETER	A	5044N	0325W 41. S(C)			D			
CHRISTCHURCH	A	5044N	0147W . S(C)			D			
RYDE	A	5044N	0110W 40. S(C)			D			
BOURNEMOUTH	A	5043N	0156W 56. S(C)			H			
SIDMOUTH	A	5041N	0314W 16. S(C)			D			
SANDOWN	A	5039N	0109W 22. S(C)			D			
ST.JOHNS	A	5037N	0422W . S(C)			D			
STARCROSS	A	5037N	0327W 10. S(C)			D			
SWANAGE	A	5037N	0157W 22. S(C)			D			
SHANKLIN	A	5037N	0111W 74. S(C)			D			
EXMOUTH	A	5036N	0324W 63. S(C)			D			
MEYMOUTH	A	5036N	0227W 23. S(C)			D			
VENTOR	A	5036N	0113W 135. S(C)			D			
BASTREET	A	5033N	0429W . S(C)			D			
TEIGNMOUTH	A	5033N	0329W 26. S(C)			D			
PORTLAND BILL	A	5031N	0227W . S(C)			D			
TORBAY (TORQUAY)	A	5028N	0331W 74. S(C)			D			
TOTNES	A	5027N	0343W 30. S(C)			D			
ST.MAWGAN	A	5026N	0500W 112. S(C)			H			
NEWQUAY	A	5025N	0505W 66. S(C)			D			
PLYMOUTH (THE HOE)	A	5022N	0408W 41. S(C)			D			
PLYMOUTH (MT.BATTEN)	A	5021N	0407W 34. S(C)			H			
ST.AUSTELL	A	5020N	0474W . S(C)			D			
ROSLWARNE	A	5013N	0518W 76. S(C)			D			
PRAWLE POINT	A	5012N	0343W . S(C)			D			
FALMOUTH	A	5009N	0505W 53. S(C)			D			
GULVAL	A	5008N	0534W 19. S(C)			D			
PENZANCE	A	5007N	0532W 33. S(C)			D			
CULDROSE	A	5005N	0514W 133. S(C)			D			
THE LIZARD	A	4957N	0512W 75. S(C)			D			
SCILLY ST.MAR'S	A	4956N	0618W 63. S(C)			D			

2	3	4		5	6	7	8	9	10
.BALLYPATRICK FOREST	.A	.5510N	0609W 154.	S(C)		.D			
.COLERAINE UNIVERSITY	.A	.5509N	0641W .	S(C)		.D			
.ALTNAHINCH FILTERS	.A	.5503N	06154W .	S(C)		.D			
.GARVAGH FOREST	.A	.5458N	0641W .	S(C)		.D			
.BANAGHER (CAUGH HILL.)	.A	.5453N	0658W .	S(C)		.D			
.LISNAFILLAN	.A	.5451N	0619W 48.	S(C)		.D			
.LOWTOWN	.A	.5450N	0601W 273.	S(C)		.D			
.STRABANE CONVENT.	.A	.5449N	0727W .	S(C)		.D			
.TRAAD POINT	.A	.5443N	0631W .	S(C)		.D			
.HELEN'S BAY.	.A	.5440N	0545W .	S(C)		.D			
.ALDERGROVE	.A	.5439N	0613W 77.	S(C)		.D			
.NEWTOWNABBEY	.A	.5439N	0555W 37.	S(C)		.D			
.LOUGH BRADAN.	.A	.5436N	0736W 187.	S(C)		.D			
.COOKSTOWN	.A	.5436N	0645W 79.	S(C)		.D			
.STORMONT CASTLE	.A	.5435N	0548W 81.	S(C)		.D			
.BALLYWATTICOCK	.A	.5434N	0541W .	S(C)		.D			
.BALLYWALTER PARK	.A	.5432N	0530W .	S(C)		.D			
.CASTLE ARCHDALE FOREST	.A	.5428N	01426 70.	S(C)		.D			
.LURGAN CEMETERY	.A	.5427N	0620W 60.	S(C)		.D			
.HILLSBOROUGH	.A	.5427N	0604W 117.	S(C)		.D			
.LOUGHALL	.A	.5424N	0636W 63.	S(C)		.D			
.ARMAGH	.A	.5421N	0639W 66.	S(C)		.D			
.MURLOUGH	.A	.5415N	0515W .	S(C)		.D			
.KILKEEL	.A	.5403N	0559W 20.	S(C)		.D			
.ALDERNEY	.A	.4942N	0213W 89.	S(C)		.D			
.GUERNSEY (L'ANCRESSE.)	.A	.5929N	0232W .	S(C)		.D			
.GUERNSEY	.A	.4926N	0236W 103.	S(C)		.D			
.JERSEY (GOREY CASTLE)	.A	.4912N	0201W 38.	S(C)		.D			
.JERSEY (ST.HELIER)	.A	.4911N	0206W 58.	S(C)		.D			

YUGOSLAVIA

2	3	4		5	6	7	8	9	10
.PALIC	.A	.4606N	1946E 102.	G(BS)	.D:YU1		.24		
.LJUBLJANA-BEZIGRAD	.A	.4604N	1431E 299.	G(R) 57-63	.D:YU1		.24		
				G(K) 63-	.H:YU1,D:SU1,				
					.MO:SU2				
				S(C) 49-	.D:YU1,MO:SU1-2				
.KRIZEVCI	.A	.4602N	1633E 155.	G(R) 60-	.D:YU1-SU1,MO:SU.				
				S(C) 55-	.D:YU1,MO:SU1-2				
.SLJEME-PUNTIJARKA	.A	.4554N	1558E 988.	G(R) 57-XX	.D:YU1		.18		
				G(S) XX-	.D:YU1-SU1,MO:SU.				
				S(C) 46-	.D:YU1,MO:SU1-2				
.ZAGREB-MAKSIMIR	.A	.4549N	1602E 123.	G(K)	.H:YU3		.24		
				S(C)	.H:YU3				
.ZAGREB-GRIC	.A	.4549N	1559E 159.	I(LF) *	.*YU2				.OG1,RG2-8
				G(K) 58-	.H:YU1-2,D:SU1,				.MO:SU2
				S(C) 36-	.H:YU2,D:YU1,				.MO:SU1-2
.PARG	.A	.4536N	1438E 863.	G(R) 57-	.D:YU1-SU1,MO:SU.				
				S(C) 50-	.D:YU1,MO:SU1-2				
.KOPER-SEMEDELA	.A	.4533N	1343E 33.	G(R) 62-74	.D:YU1-SU1,MO:SU.				
				S(C) 54-74	.D:YU1,MO:SU1-2				
.PORTOROZ	.A	.4532N	1334E 95.	G(R) 74-	.D:YU1-SU1				
				S(C) 74-	.D:YU1,MO:SU1				
.NOVI SAD-RIMSKI SANCEVI	.A	.4520N	1951E 84.	G(K) 64-XX	.H:YU1,D:SU1,				
					.MO:SU2				
				S(C) 57-	.D:YU1,MO:SU1-2				
.BANJA LUKA	.A	.4447N	1713E 153.	G(R) 58-72,76-	.D:YU1-SU1,		.24		
					.MO:SU2				
				G(K) 73-	.H:YU1,D:SU1				
				S(C) 51-	.D:YU1,MO:SU1-2				
.BEOGRAD-ZELENO BRDO	.A	.4447N	2032E 243.	I(A) 57*58	.	.*			
				I(LF) 58*	.*YU1	.*			.RG2-8
				G(K) 57-	.H:YU1,D:SU1,	.H			
					.MO:SU2				
				G(BS) 61-75	.D:YU1	.D			
				D(K) 58-	.H:YU1	.H			
				R(K) 61-	.H:YU1	.H			
				Q*(SH) 64-	.H:YU1-SU1,MO:SU.	.H			
				S(C) 57-	.H:YU1,MO:SU1-2	.H			
.NEGOTIN	.A	.4414N	2233E 42.	G(R) 57-67	.D:YU1-SU1,MO:SU.		.24		
				G(K) 67-	.H:YU1,D:SU1,				
					.MO:SU2				
				G(BS) 66-75	.D:YU1				
				S(C) 46-	.D:YU1,MO:SU2				
.CUPRIJA	.A	.4356N	2123E 123.	G(BS) 69-	.D:YU1		.18		
				S(C)	.D:YU1				
.SARAJEVO-BUTMIR	.A	.4350N	1820E 503.	G(K) 63-	.H:YU1,D:SU1,		.24		
					.MO:SU2				
				G(BS) 63-72	.D:YU1				
				S(C) 61-	.D:YU1,MO:SU1-2				
.ZLATIBOR	.A	.4344N	1943E1029.	G(R) 57-66	.D:YU1-SU1,MO:SU.		.24		
				G(K) 66-	.H:YU1,D:SU1,				
					.MO:SU2				
				S(C) 54-	.D:YU1,MO:SU1-2				
.SPLIT-MARJAN	.A	.4331N	1626E 122.	G(R) 57-64	.D:YU1		.15		
				G(K) 64-	.H:YU1,D:SU1,				
					.MO:,SU2				
				S(C) 45-	.D:YU1,MO:SU1-2				
.SJENICA	.A	.4316N	2001E1015.	G(K) 64-	.H:YU1,DSU1,		.24		
					.MO:SU2				
				G(BS) 67-	.D:YU1				
				D(K) 64-	.H:YU1				
				R(K) 66-	.H:YU1				
				Q*(SH) 64-65	.H:SU1,MO:SU2				
				S(C) 54-	.D:YU1,MO:SU1-2				
.PRISTINA	.A	.4239N	2109E 573.	G(R) 68-68,74	.D:YU1-SU,MO:SU2.		.24		
				G(K) 68-73*74-	.H:YU1,D:SU1,				
					.MO:SU2				
				G(BS)	.D:YU1				
				S(C)	.D:YU1,MO:SU1-2				
.BAR	.A	.4206N	1906E 6.	G(K) 64-	.H:YU1,D:SU1,		.18		
					.MO:SU2				
				D(K) 67-	.H:YU1				
				S(C) 54-	.D:YU1,MO:SU1-2				
.SKOPJE-PETROVEC	.A	.4157N	2138E 232.	G(R) 57-	.D:YU1-SU1,MO:SU.		.24		
				S(C) 48-	.D:YU1,MO:SU1-2				
.BITOLA	.A	.4103N	2122E 586.	G(R) 60-64	.D:YU1		.24		
				G(K) 64-	.H:YU1,D:SU1,				
					.MO:SU2				
				S(C) 52-	.D:YU1,MO:SU1-2				

ANTARCTICA

ARGENTINA

2	3.	4	5	6	7.	8.	9.	10
ISLAS ORCADAS D.N.	.60445	4444W	4. G( ) S( )				.8	
PETREL D. N.	.63285	5617W	G( ) S( )				.8	
GENERAL BELGRANO B. E.	.77585	3848W	G( ) S( )				.8	

AUSTRALIA — ANTARCTICA

2	3.	4	5	6	7.	8.	9.	10
CASEY	.66155	11032E	11. G(E) 74-77		.3CM	.3CM	.8	
			D(E) 74-77		.3CM	.3CM		
			Q+(FU)74-77					
			S(C) 60-64					
MAWSON	.67365	6253E	8. G(R) 56-62		.D		.8	
			G(E) 65-75		.D			
			G(E) 75-77		.3CM	.3CM		
			D(E) 65-75		.D			
			D(E)75-77		.3CM	.3CM		
			Q+(FU)65-75					
			Q+(FU)75-77					
			S(C) 55-					

CHILE — ANTARCTICA

2	3.	4	5	6	7.	8.	9.	10
C.M.A.P.EDUARDO FREI	.62155	5856W	G( ) S( )				.9	

FRANCE — ANTARCTICA

2	3.	4	5	6	7.	8.	9.	10
KERGUELEN	.A .49205	7013E	15. G(K) S(C)	D:SU1,MO:SU2 MO:SU1-2				
DUMONT D'URVILLE	.66405	14001E	41. G(K) S(C)	D:SU1,MO:SU2 MO:SU1-2			.12	

JAPAN — ANTARCTICA

2	3.	4	5	6	7.	8.	9.	10
SYOWA	.69005	3935E	21. G( ) G( ) S( )				.3	.OZONE,CO2,NOX

NEW ZEALAND — ANTARCTICA

2	3.	4	5	6	7.	8.	9.	10
LAKE VANDA	.77325	16138E	95. G( )					
SCOTT BASE	.77515	16645E	16. G(E1) 57- S(C)	MO:NZ1	.H	.D		

SOUTH AFRICA — ANTARCTICA

2	3.	4	5	6	7.	8.	9.	10
S.A.N.A.E	.70195	221W	61. G(K) D(K) S(C)	H:ZA1 H:ZA1 D:ZA1		.8		

UNITED KINGDOM — ANTARCTICA

2	3.	4	5	6	7.	8.	9.	10
ARGENTINE ISLAND	.6515S	6416W	10. G(K)(GD) S( )			.8		.OZONE
HALLEY BAY	.7530S	2639W	28. G(K) Q+(GD) S( )	D:SU1, SU2 H:SU1, SU2 SU1-2		.8		.OZONE

U.S.A. — ANTARCTICA

2	3.	4	5	6	7.	8.	9.	10
BYRD STATION	.8001S	11932W	G( ) S( )					.OZONE
AMUNDSEN-SCOTT	.9000S	----	2800. I(EN) 74- G(E2) 74- GX(E2)74- S( )			.X .X .X		.OZONE,CO2 .GLA. .GG22,OG1,RE8

U.S.S.R. — ANTARCTICA

2	3.	4	5	6	7.	8.	9.	10
BELLINGSHAUSEN	.6212S	5856W	16. G( )				.4	
MIRNYJ	.6633S	9301E	G(Y) Q+(Y) S(C)	D:SU1, SU2 H:SU1, SU2 MO:SU1-2			.8	
MOLODEZNAJA	.6740S	4551E	G( )				.8	
LENINGRADSKAJA	.6930S	1523E	G( )				.4	
NOVOLAZAREVSKAJA	.7046S	1150E	G(Y) Q+(Y) S(C)	D:SU1, SU2 H:SU1, SU2 MO:SU1-2			.4	
VOSTOK	.7827S	10652E	G(Y) Q+(Y) S(C)	D:SU1, SU2 H:SU1, SU2 MO:SU1-2			.4	

OCEAN WEATHER STATIONS

2	3.	4	5	6	7.	8.	9.	10
ICE ISLAND T3	A	8525N-8425N	G(E2) 69-71	H:CDN1	H			
		12600W-8900W	R(E2) 69-70	H:CDN1	H			
			Q*(SF)69-71	H:CDN1	H			
OCEAN STATION P/PAPA	A	5000N 14500W	G(E1) 59-62	H:CDN1	H			
			G(R) 62-67	D:CDN1-SU1	D			
			G(K) 67-	H:CDN1,D:SU1	H			
			Q*(FU)67-	H:CDN1-SU1	H			

2	3.	4	5	6	7.	8.	9.	10
OCEAN WEATHER STATION A		6200N 3300W	G(K) 57*74					
			J*(GD)57*		H			
OCEAN WEATHER STATION I		5900N 1900W	G(K)(GD)57*75		H			
OCEAN WEATHER STATION L		5700N 2000	G(K) 75*77		H			
OCEAN WEATHER STATION J		5230N 2000W	G(K) 58*75		H			
			Q*(GD)58*		H			
OCEAN WEATHER STATION K		4500N 1600W	G(K) 58*70		H			
			Q*(GD)58*		H			

TURBIDITY NETWORK

2	3.	4	5	6	7.	8.	9.	10
SOUTH AFRICA								
KEETMANSHOOP	A	2634S 1807E	1066. TB					
MARION ISLAND	A	4653S 3752E	22. TB					

2	3.	4	5	6	7.	8.	9.	10
INDIA								
MOHANDARI	A	2723N 9501E	111. TB					
JODHPUR	A	2618N 7301E	220. TB					
POONA	A	1332N 7351E	555. TB					
PORT BLAIR	A	1140N 9243E	79. TB					
JAPAN								
YOKOTA AB	US	3544N 13920E	142. TB	71-				
OKINAWA	US	2621N 12745E	46. TB	71-				
KOREA								
YONGSAN AB	US	3732N 12659E	54. TB	71-				
TAIWAN								
CHING CHUAN KANG AB	US	2502N 12131E	9. TB	71-				

2	3.	4	5	6	7.	8.	9.	10
CANADA								
ALBERTA								
EDSON A	A	5335N 11627W	924. TB(E)	74-				
BRITISH COLUMBIA								
PUNTZI MOUNTAIN	A	5207N 12405W	911. TB(E)	75-77				
KELOWNA A	A	4958N 11923W	417. TB(E)	77-				
NORTHWEST TERRITORIES								
FORT SIMPSON A	A	6145N 12114W	170. TB(E)	74-				
NOVA SCOTIA								
SABLE ISLAND	A	4356N 6001W	4. TB(E)	75-				
ONTARIO								
PICKLE LAKE	A	5128N 9012W	369. TB(E)	77-				
ARMSTRONG A	A	5017N 8854W	322. TB(E)	74-77				
MOUNT FOREST	A	4359N 8045W	415. TB(E)	73-				
QUEBEC								
MANIWAKI	A	4623N 7558W	170. TB(E)	75-				
SASKATCHEWAN								
WYNARD	A	5146N 10412W	561. TB(E)	74-				
*PANAMA**								
CANAL ZONE-HOWARD AB	J	0855N 7936W	10. TB	71-				
*U.S.A.**								
*ALASKA**								
TIN CITY/NOME	A	6534N 16755W	85. TB	72-75				
ARIZONA								
TUCSON	A	3213N 11058W	726. TB	60-66				
MOUNT HOPKINS	A	5141N 11053W	2377. TB	69-72				
CALIFORNIA								
LITTLE ROCK	A	3444N 9214W	84. TB	64-				
PITTSBURG	J	3801N 12154W	15. TB	66-73				
PORT CHICAGO	J	3801N 12201W	15. TB	68-68				
SAN RAFAEL	J	3758N 12232W	16. TB	68-71				
RICHMOND	J	3756N 12221W	17. TB	69-72				
ALBANY HILL	J	3754N 12218W	0. TB	68-69				
BERKELEY	A	3752N 12216W	. TB	64-65				
SAN FRANCISCO	J	3747N 12225W	16. TB	69-72				
REDWOOD CITY	J	3729N 12214W	9. TB	68-72				
BISHOP	A	3722N 11322W	1252. TB	71-				
SAN JOSE	J	3720N 12153W	29. TB	65-72				
EDWARDS	A	3455N 11754W	705. TB	71-				
GOLETA	A	3427N 11950W	2. TB	61-67				
PASADENA	A	3409N 11809W	31. TB	71-71				
SAN BERNADINO	A	3407N 11718W	333. TB	68-72				
LOS ANGELES	A	3403N 11815W	96. TB	62-68				
SANTA MONICA	A	3401N 11829W	16. TB	63-65				
COLORADO								
BOULDER	T	3956N 10516W	1690. TB	61-				
ALAMOSA	A	3727N 10552W	2297. TB	71-				
FLORIDA								
TALLAHASSE	A	3023N 8422W	21. TB	73-				
GAINESVILLE	A	2942N 8216W	42. TB	73-				
MIAMI	A	2544N 8010W	17. TB	72-				
HAWAII								
MAUNA LOA	A	1932N 15535W	3397. TB	65-				
IDAHO								
IDAHO FALLS	A	4332N 11257W	1504. TB	60-				
ILLINOIS								
CHICAGO	AH	4153N 8738W	181. TB	63-68				
SALEM	A	3339N 8858W	177. TB	71-				
KANSAS								
TOPEKA	A	3904N 9538W	268. TB	60-XX				
MAINE								
CARIBOU	A	4652N 6801W	191. TB	71-				
MARYLAND								
BALTIMORE	AH	3917N 7637W	4. TB	64-				
BELTSVILLE	A	3902N 7653W	37. TB	67-				
COLLEGE PARK	AA	3858N 7656W	23. TB	69-				
MASSACHUSETTS								
BLUE HILL	A	4213N 7107W	192. TB	60-				
MICHIGAN								
ANN ARBOR	AC	4217N 8345W	220. TB	62-67				
MINNESOTA								
SAINT CLOUD	A	4535N 9411W	316. TB	61-				

2	3.	4		5	6	7.	8.	9.	10
MISSISSIPPI									
MERIDIAN	A	3220N	8845W 94.	TB 64-					
MISSOURI									
SAINT LOUIS	AH	3838N	9014W 176.	TB 64-74					
MONTANA									
MISSOULA	A	4655N	11405W 980.	TB 64-74					
NEW JERSEY									
ATLANTIC CITY	A	3927N	7434W 20.	TB 71-					
NEW MEXICO									
LOS ALAMOS	A	3552N	10618W 2259.	TB 69-					
ALBUQUERQUE	A	3503N	10637W 1620.	TB 67-72					
NEW YORK									
ALBANY	A	4245N	7348W 88.	TB 62-					
UPTON	A	4052N	7253W 23.	TB 63-					
NEW YORK/ROCKEF.PLAZA	A	4046N	7359W 21.	TB 63-74					
NORTH CAROLINA									
GREENSBORO	A	3605N	7957W 272.	TB 65-					
RALEIGH-RTP	A	3554N	7852W 95.	TB 69-					
RALEIGH-AIRPORT	A	3552N	7847W 134.	TB 71-					
ASHEVILLE-NCC	A	3536N	8233W 674.	TB 72-					
NORTH DAKOTA									
BISMARCK	A	4640N	10045W 506.	TB 73-					
OHIO									
TOLEDO	A	4139N	8322W 181.	TB 67-					
YOUNGSTOWN	A	4116N	8040W 365.	TB 63-					
COLUMBUS	A	4000N	8253W 253.	TB 66-68					
CINCINNATI	A	3908N	8438W 180.	TB 61-63					
CINCINNATI	A	3906N	8433W 194.	TB 60-69					
OREGON									
PENDLETON	A	4541N	11851W 456.	TB 71-					
PENNSYLVANIA									
PHILADELPHIA	AH	3953N	7515W 19.	TB 62-71					
SOUTH DAKOTA									
HURON	A	4423N	9813W 395.	TB 60-					
TENNESSEE									
OAK RIDGE	A	3601N	8414W 276.	TB 61-					
MEMPHIS	A	3503N	8959W 86.	TB 65-					
TEXAS									
GRAND PRAIRIE	A	3242N	9701W 160.	TB 71-					
COLLEGE STATION	A	3037N	9621W 97.	TB 63-67					
HOUSTON	A	2946N	9522W 15.	TB					
VICTORIA	A	2651N	9655W 36.	TB 71-					
WASHINGTON									
SEATTLE	A	4727N	12215W 116.	TB 63-73					
REDMOND	A	4727N	12218W 108.	TB 70-71					
WASHINGTON D.C.									
WASHINGTON D.C.	A	3854N	7703W 22.	TB 62-71					
WEST VIRGINIA									
ELKINS	A	3853N	7951W 600.	TB 64-					
WISCONSIN									
GREEN BAY	A	4429N	8808W 210.	TB 62-					

TURBIDITY REGION: V

2	3.	4		5	6	7.	8.	9.	10
AUSTRALIA									
ASPENDALE	A	3802S	14506E 5.	TB					
GUAM									
ANDERSEN A.B.	A	1334N	14455E 162.	TB 71-					
PHILIPPINES									
CLARK A.B.	US	1510N	12034E 196.	TB 71-					
SAMOA									
PAGO PAGO	US	1420S	17043W 3.	TB 72-					

TURBIDITY REGION: VI

2	3.	4		5	6	7.	8.	9.	10
FINLAND									
SODANKYLA	A	6722N	2639E 178.	TB					
GERMAN FED.REP.									
HAMBURG	A	5303N	1000E 14.	TB					
LANGENBRUGGE (WALDHOF)	A	5243N	1046E 72.	TB					
WIESBADEN	US	5003N	0820E 140.	TB 71-					
DEUSELBACH	A	4945N	0703E 480.	TB					
BROTJACKLRIEGEL	A	4849N	1313E 1030.	TB					
SCHAUINSLAND	A	4755N	0755E 1206.	TB					
GREENLAND									
THULE A.B.	US	7632N	6848W 77.	TB 72-73					
HUNGARY									
KOMLOSI		4659N	1935E 125.	TB					
IRELAND									
VALENTIA	A	5156N	1015W 9.	TB					
ADRIGOLE	A	5124N	0927W 60.	TB					
ISRAEL									
HAIFA	A	3249N	3500E 15.	TB					
ITALY									
AVIANO A.B.	US	4602N	1236E 129.	TB 71-					
PORTUGAL									
LAJES A.B.,AZORES	US	3345N	2705W 54.	TB 71-					
SPAIN									
BARCELONA	A	4132N	0207W 105.	TB					
TORREJON A.B.	US	4026N	0334W 606.	TB 71-					
SWEDEN									
VELEN	A	5846N	1418E 127.	TB					
TURKEY									
ANKARA	A	3957N	3253E 902.	TB					
UNITED KINGDOM									
UPPER HEYFORD A.B.	US	5156N	0115W 128.	TB 71-					
BOWERCHALKE	A	5100N	0200W 125.	TB					
LERWICK	A	6008N	0111W 82.	TB					

TURBIDITY

2	3.	4		5	6	7.	8.	9.	10
U.S.A.									
AMUNDSEN-SCOTT	US	9000S	----- 2800.	TB 69-					

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ZA2 SOLAR WATER HEATING IN SOUTH AFRICA
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AEROLOGICAL DATA OF INDIA CONTROLLER OF PUBLICATIONS
CIVIL LINES, NEW DELHI-110 006 (MONTHLY 1968-)

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MONTHLY RADIATION BULLETINS & SOLAR RADIATION BULLETINS
1957-1967
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J3 REPORT OF RADIATION OBSERVATIONS
JAPAN METEOROLOGICAL AGENCY
1959-

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SU1 SOLAR RADIATION AND RADIATION BALANCE DATA
(THE WORLD NETWORK), MONTHLY 1964-
LENINGRAD

SU2 SOLAR RADIATION AND RADIATION BALANCE DATA
(THE WORLD NETWORK), ANNUAL DATA: 1964-1968, 1969-1973
LENINGRAD

SU3 ACTINOMETRIC MONTHLY, 1962-
LENINGRAD

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CDN2 ANNUAL RADIATION SUMMARY,
CANADA CENTRE FOR INLAND WATERS
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CDN3 MONTHLY RECORD
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THE LABORATORY OF CLIMATOLOGY,
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BOX 6010,
FLAGSTAFF, ARIZONA, 86001, U.S.A.

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EUGENE, OR 97403
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ROSEBURG, OR 97470

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920 S.W. SIXTH AVE.
PORTLAND, OR 97204

BI UNIVERSITY OF ALABAMA
P.O. BOX 1247
HUNTSVILLE, ALA 35807

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DEPARTMENT OF METEOROLOGY
DAVIS, CA

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ATMOSPHERIC SCIENCE RESEARCH CENTER
1400 WASHINGTON AVENUE, ALBANY, NY

BL GEORGIA INSTITUTE OF TECHNOLOGY
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ATLANTA, GA

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PHYSICS DEPARTMENT
SAN ANTONIO, TEXAS

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HONOLULU, HAWAII

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AGRICULTURAL & BIOLOGICAL ENGINEERING
STONEVILLE, MS

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4800 BRADFORD DR. NW
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UNIVERSITY OF CALIFORNIA
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1600 HOLLOWAY AVE., SAN FRANCISCO, CA 94132

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MECHANICAL ENGINEERING BLDG., ROOM 325,
GAINSVILLE, FL 32920

BZ FLORIDA SOLAR ENERGY CENTER
300 S.R. 401
CAPE CANAVERAL, FL 32920

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AGRONOMY DEPARTMENT,
WEST LAFAYETTE, IN 47904

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COSHOCTON, OH 43812

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BOZEMAN, MT 59715

DJ RESEARCH TECHNICAL INSTITUTE,
NORTH CAROLINA

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DN BAYLOR UNIVERSITY, TEXAS

PUBLICATIONS

US1 CLIMATOLOGICAL DATA NATIONAL SUMMARY,
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ASHEVILLE, NC 28801

US2 MONTHLY WEATHER REVIEW,
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WASHINGTON D.C.

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STATE UNIVERSITY OF NEW YORK AT ALBANY.

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1820 SOUTH SEVENTH AVENUE, BOZEMAN, MT 59715

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SAN DIEGO GAS & ELECTRIC C O., AND SAN DIEGO STATE
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WELLINGTON

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NZ1 NEW ZEALAND METEOROLOGICAL SERVICE
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A PAPUA NEW GUINEA NATIONAL METEOROLOGICAL SERVICE
P.O.BOX 1240
BOROKO

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QUEZON CITY

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CATARMAN
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PH1 RADIANT ENERGY AND SUNSHINE
(MONTHLY, PAGASA)

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A1 ERGEBNISSE VON STRAHLUNGSMESSUNGEN IN ÖSTERREICH
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WIEN

A2 JAHRBUCHER DER ZENTRALANSTALT FUR MET. UND GEOD.
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A3 SCHLERN-SCHRIFTEN
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ASSA : GARNISONGASSE 7
ZFMUG: HOHE WARTE 38, 1090-WIEN

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A INSTITUT ROYAL METEOROLOGIQUE DE BELGIQUE
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BULLETIN MENSUEL
INSTITUT ROYAL METEOROLOGIQUE DE BELGIQUE

B2 RAYONNEMENT SOLAIRE ANNUARIE
INSTITUT ROYAL METEOROLOGIQUE DE BELGIQUE

B3 OBSERVATIONS RADIOMETRIQUES
STATION DE UCCLE : STATISTIQUES DE 15 ANNUS :1951 - 1965

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DK-2630 TAASTRUP

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DK1 METEOROLOGICAL YEARBOOK
PART 1: DENMARK AND FAROE ISLANDS

DK3 KLIMA OG VANDBALANCE VED HOJBAKKEGAARD HYDROTECHNICAL LAB.
YEARLY REPORT

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ADMINISTRATORS

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VOURIKATU 24, BOX 503
SF-00100 HELSINKI 10

B METEOROLOGICAL OBSERVATORY SODANKYLÄ
SF-99600 SODANKYLÄ

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SF1 KUUKAUSIKATSAUS SUOMEN ILMASTOON
MÅNADSÖVERSIKT ÖVER FINLANDS KLIMAT
METEOROLOGICAL INSITUTE

SF2 MEASUREMENTS OF RADIATION AND BRIGHT SUNSHINE
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THE YEARS 1957-1967, VEIKKO ROSSI
SUPPLEMENT TO THE MET. YEARBOOK OF FINLAND PART 4

SF4 THE TOTAL RADIATION AT SODANKYLÄ OBSERVATORY 1953-1957
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DDR1 MONATLISCHE WITTERUNGSBERICHT
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2000 HAMBURG 65

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8100 GARMISCH-PARTENKIRCHEN

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POSTFACH 165
2320 PLÖN

MH BIOLOGISCHE ANSTALT HELGOLAND
MEERESSTATION
2192 HELGOLAND

UB FREIE UNIVERSITÄT BERLIN
INSTITUT FUR METEOROLOGIE
PODBIELSKIALLEE 62
1000 BERLIN 33

UH UNIVERSITÄT HANNOVER
INSTITUT FUR METEOROLOGIE UND KLIMATOLOGIE
HERRENHÄUSER STR.2
3000 HANNOVER 21

UM UNIVERSITÄT MUNCHEN
INSTITUT FUR BIOKLIMATOLOGIE UND METEOROLOGIE
AMALIENSTR.52
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DEUTSCHER WETTERDIENST
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D2 BEILAGE ZUM MEDIZINMETEOROLOGISCHEN BERICHT DES D.W.D.
MET. OBSERV. HAMBURG
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D3 BERLINER WETTERKARTE
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UNIVERSITÄT MUNCHEN METEOROLOGISCHES INSTITUT

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GR1 CLIMATOLOGICAL BULLETIN
NATIONAL OBSERVATORY OF ATHENS
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A METEOROLOGICAL SERVICE OF THE HPR
P.O.BOX 38
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PUBLICATION

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(THE SOLAR RADIATION IN HUNGARY 1958 - 1972).

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P.O.BOX 5330
REYKJAVIK

PUBLICATIONS

IS1 VEDRATTAN
MONTHLY REPORT OF THE ICELANDIC METEOROLOGICAL OFFICE

IS2 VEDRATTAN
ANNUAL REPORT OF THE ICELANDIC METEOROLOGICAL OFFICE

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******ISRAEL******
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A METEOROLOGICAL SERVICE
P.O.BOX 25
BET DAGAN 50 200

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ISRAEL METEOROLOGICAL SERVICE

IL2 SOLAR RADIATION AND RADIATION BALANCE AT THE CENTRAL
METEOROLOGICAL INSTITUTION, BET DAGAN
SERIES B, ANNUAL

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METEOROLOGICAL INSTITUTION, BET DAGAN, 1962-1968
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COMMISSIONE DELLE COMUNITA EUROPEE, ITALIA

I5 SCIENTIFIC REPORTS ON METEOROLOGY AND
ATMOSPHERIC PHYSICS (SR - STR).
DR. FRANCO VIVONA, ISTITUTO FISICA ATMOSFERA
PIAZZALE LUIGI STARZO 31- 00144 ROMA

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HKJ1 CLIMATIC DATA
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OSLO 3

B GEOPHYSICAL INSTITUTE UNIVERSITY OF BERGEN
N-5000 BERGEN

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B INSTYTUT GEOFIZYKI POLSKIEY AKADEMII NAUK
UL. PASTEURA 3
PL-02-093 WARSZAWA

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1961-1966
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MADRID (3)

B CATEDRA DE FISICA DE LA ATMOSFERA UNIVERSIDAD DE BARCELONA
AV. GENERALISMO 647
BARCELONA -14

C OBSERVATORIO DEL EBRO
TORTOSA, ROGUETAS
TARRAGONA

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ADMINISTRATORS

A THE SWEDISH METEOROLOGICAL AND HYDROLOGICAL INSTITUTE
BOX 923
S-601 19 NORRKÖPING

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FACK
S-104 05 STOCKHOLM

C INSTITUTE OF MARINE RESEARCH
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S-453 00 LYSEKIL

D FÄLTSTATIONEN I FISKEBÄCK,CHALMERS TEKNISKA HÖGSKOLA
FACK
S-402 20 GÖTEBORG 5

PUBLICATIONS

S1 SWEDISH METEOROLOGICAL AND HYDROLOGICAL INSTITUTE
YEARBOOK PART 1:"MÅNADSÖVERSIKT ÖVER VÄDERLEK OCH
VATTENTILLGÅNG"

S2 SWEDISH METEOROLOGICAL AND HYDROLOGICAL INSTITUTE
YEARBOOK PART 2.2 SUPPLEMENT: "MEASUREMENTS OF SOLAR
RADIATION IN SWEDEN".

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CH-8044 ZURICH

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EMPA
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JOUL JAMMAL STREET, P.O. BOX 4211
DAMASCUS

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A STATE METEOROLOGICAL SERVICE
P.O.BOX 401
ANKARA

******UNION OF SOVIET SOCIALIST REPUBLICS******
ADMINISTRATOR

A HYDROMETEOROLOGICAL SERVICE
12 PAVLIK MORozov STREET
MOSCOW D-376

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ADDRESS: VOEIKOV MAIN GEOPHYSICAL OBSERVATORY
7, KARBYSHEVA
LENINGRAD 194018,USSR

******UNITED KINGDOM******
ADMINISTRATORS

A METEOROLOGICAL OFFICE
EASTERN ROAD,BRACKNELL,
BERKSHIRE, RG12 2UR

B DR I S ROBERTSON
DEPARTMENT OF NATURAL PHILOSOPHY
ABERDEEN UNIVERSITY
ABERDEEN, AB9 2UE

C THE DIRECTOR
SCOTTISH MARINE BIOLOGICAL ASSOCIATION
DUNSTAFFNAGE MARINE RESEARCH LABORATORY
P.O.BOX 3, OBAN,ARGYLL, PA34 4AD

D MR D K L MACKERRON
SCOTTISH HORTICULTURAL RESEARCH INSTITUTE
INVERGOWRIE
DUNDEE, DD2 5DA

E DR CHANNON
WEST OF SCOTLAND AGRICULTURAL COLLEGE
AUCHINCRUIVE
NR AYR, KA6 5HW

F INSTITUTE OF TERRESTRIAL ECOLOGY
MERLEWOOD RESEARCH STATION
GRANGE-OVER-SANDS
CUMBRIA, LA11 6JU

G MR K CHURCH
MINISTRY OF AGRICULTURE AND FISHERIES
STOCKBRIDGE HOUSE EHS,CAWOOD
SELBY, NORTH YORKSHIRE YO3 0TZ

H THE DIRECTOR
EXPERIMENTAL HORTICULTURE STATION MAFF
GREENHALGH, KIRKHAM
PRESTON PR4 3HH

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UNIVERSITY OF NOTTINGHAM
SCHOOL OF AGRICULTURE, SUTTON BONINGTON
LOUGHBOROUGH, LE12 5RD

J MR D MOSS
GREAT OUSE RIVER BOARD
GREAT OUSE HOUSE, CLARENDON ROAD
CAMBRIDGE CB2 2BL

K MR J A WARD
NATIONAL VEGETABLE RESEARCH STATION
WELLESBOURNE
WARWICK CU35 9EF

L THE DIRECTOR
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WREST PARK
SILSOE, BEDFORD MK45 4HS

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PHYSICS DEPARTMENT
HARPENDEN, HERTS AL5 2JQ

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GARSTON
WATFORD
WD2 7JR

P MR M F WICKENDON
EAST MALLING RESEARCH STATION
EAST MALLING, MAIDSTONE
KENT, ME 19 6BJ

Q DR R HURD
GLASSHOUSE CROPS RESEARCH INSTITUTE
WORTHING ROAD, LITTLEHAMPTON
SUSSEX, BN16 3PU

R MR D F WESTLAKE
FRESHWATER BIOLOGICAL ASSOCIATION
RIVER LABORATORY, EAST STOKE
WAREHAM, DORSET, BH20 6BB

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YU-11000 BELGRADE

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ADMINISTRATORS:

ARGENTINA:
SERVICIO METEOROLOGICO NACIONAL
25 DE MAYO 658
BUENOS AIRES

AUSTRALIA:
BUREAU OF METEOROLOGY
P.O.BOX 1289 K
MELBOURNE, VIC. 3001

CANADA:
THE ATMOSPHERIC ENVIRONMENT SERVICE
4905 DUFFERIN STREET
DOWNSVIEW, ONTARIO, M3H 5T4

CHILE:
OFICINA METEOROLOGICA DE CHILE
CASILLA 717
SANTIAGO

FRANCE:
METEOROLOGIE NATIONALE
77 RUE DE SEVRES
F-92106 BOULOGNE-BILLANCOURT CEDEX

JAPAN:
JAPAN METEOROLOGICAL AGENCY
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CHIYODA - KU, TOKYO

NEW ZEALAND:
NEW ZEALAND METEOROLOGICAL SERVICE
P.O.BOX 722
WELLINGTON

SOUTH AFRICA:
WEATHER BUREAU
SECRETARY FOR TRANSPORT
P/BAG X193 PRETORIA

UNITED KINGDOM:
METEOROLOGICAL OFFICE
EASTERN ROAD, BRACKNELL
BERKSHIRE RG12 2UR

U.S.A.:
NATIONAL CLIMATIC CENTRE
ASHEVILLE
N.C.28801

U.S.S.R.:
HYDROMETEOROLOGICAL SERVICE
12 PAVLIK MOROZOV STREET
MOSCOW D-376

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