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NCDC produces a suite of CD-ROM's with diverse environmental data ranging from global tropical cyclone tracks, to worldwide climatologies, to hourly surface data. More details concerning these CD's, including an on-line ordering system (with discount prices vs. those below), are accessible via <http://www.ncdc.noaa.gov/ol/climate/climateproducts.html>

Arctic and Antarctic Sea Ice Data (Version 1.0) (CDICE) The Arctic and Antarctic Sea Ice Data CD-ROM Version 1.0, contains weekly ice data in the International Sea Ice in the Digital Form (SIGRID) format for 1972-1994 for the Arctic and 1973-1994 for the Antarctic. This .25 degree grid structure includes total ice concentration, thickness stage, and form of ice for the complete period of record. The SIGRID format was designed to meet the sea ice requirements of large-scale climate and statistical studies. The CD-ROM contains no display or extraction routines. The SIGRID reference file provides detailed information concerning the coding system for digitizing sea ice chart data. Joint NCDC, U.S. Navy, National Ice Center product. DOS but can be converted to UNIX. **\$35.00**

CLIVUE - Historical U.S. Climate Data (CLIVUE/CLISNOOP) - Version 1.0. (CDCLIVUE) The NCDC developed a CD-ROM in support of a museum exhibit which traveled across the U.S. The CD contains a 1,500-station subset of NCDC's nearly 8,000 U.S. daily cooperative stations. The user selects a date and area of the U.S. and the CD-ROM database is queried for stations within the specified domain having data. Then, the system displays daily maximum and minimum temperatures, precipitation, and snowfall for the site. Graphs showing 7 years, 21 years, and the full period of record (varies by station) for the station(s) are available. Visual displays allow users to view trends, variability, and extremes. Joint NCDC and Franklin Institute Product. DOS only **\$35.00**

Climate Atlas of the Contiguous United States (CDATLAS) This CD-ROM contains the Climate Atlas of the Contiguous United States. This original version of the CD Atlas contains 737 color maps of climatic elements such as temperature, precipitation, snow, wind, pressure, etc., chosen to portray the climate of the contiguous US (not including Alaska or Hawaii). The period of record of the data for most of the maps is 1961-1990. Samples of several maps are available from the Climate Atlas of the Contiguous United States web page. Most of these maps can also be ordered individually in a high resolution Adobe PDF format, or as ESRI Shape Files. Also available is a publication, Selected Maps from the Climate Atlas of the Contiguous US, that contains maps for 20 of the more requested products from this CD-ROM. For information about installation, see version 2.0 below. **\$35.00**

The Climate Atlas of the United States (Version 2.0) (CDATLAS2) This CD-ROM contains the version 2.0 of the Climate Atlas of the United States. It replaces a popular paper Atlas last published in 1968, and supersedes the Climate Atlas of the Contiguous United States published on CD in 2000. The new CD Atlas contains 2023 color maps of climatic elements such as temperature, precipitation, snow, wind, pressure, etc., chosen to portray the climate of the US. The period of record of the data for most of the maps is 1961-1990. The user may install the Atlas onto a local drive, or run the Atlas from the CD. From the Atlas interface, the user chooses an element type (Temperature, or Precipitation, or Snow, etc.), an element (mean, or maximum, or record extreme, etc.), and a geographic area (Lower 48, Alaska, or Hawaii). The Atlas displays maps of the selected element and area using ESRI's ArcExplorer, which is included on the CD. ArcExplorer provides GIS capabilities, such as zoom, query, identify, and theme layering. The Atlas provides access to extensive help and documentation directly from its interface. The same help and documentation are available from NCDC's Atlas Help and Atlas Documentation pages. Additionally, the CD contains all of the data (in "dbf" format) used to produce the Atlas. **\$35.00**

Coastal-Marine Automated Network (C-MAN) Station and Buoy Reports and Summarized Elements (CDSEAB) This two-volume CD-ROM set contains climatic summaries and archived observations measured by National Data Buoy Center (NDBC) moored buoys and C-MAN stations for 197 sites. The period of record generally covers a 3-20 year period depending on the station and ends with December 1993. The two volume set consists of archived observations and climatic summary tables. All measurements are included except for spectral wave and subsurface measurements. A map shows station locations and data inventories show measurements and time periods for each station. The following elements are summarized: monthly frequency distributions of wind speed, wind gust, sea level pressure, air and sea temperature, air-sea temperature difference, dew point (where available), significant wave height, average and dominant wave period. Additional tables include: wind speed versus direction, significant wave height versus dominant and average wave periods, significant wave height versus wind speed. The individual monthly means and extremes for all measurements are included. Stations with less than 3 years of data will only have individual monthly means and extremes summarized. Joint NCDC and NDBC product. Requires 420K of RAM memory. This item is sold only as a set and is for DOS use only.. **\$70.00**

Daily Weather Maps Series (DLYWX/CDROM) This series of daily charts currently contains the U.S. Surface Weather Map, 500-Millibar Height Contours chart, Highest and Lowest Temperatures chart, and the Precipitation Areas and Amounts chart (all charts for 7 a.m. EST or for previous 24 hours ending then). These charts are derived from the operational weather maps produced by the National Centers for Environmental Prediction. The series is produced as a weekly publication and can be obtained on a subscription basis for hard copies or as a quarterly CD-ROM. Each CD-ROM contains a set of PDF files and HTML files. HTML files are viewable through a web browser. PDF files allow users to print the Daily Weather Maps to desktop printers. Each PDF file contains a week of maps similar to the format of the printed versions available through subscription. The contents and format of the most recent versions of the Daily Weather Map are exactly the same as those of the CD-ROM and are available on the web at: <http://hpc.noaa.gov/dailywxmap/index.html>. Data from 1871 through 2001 can be found online at the NOAA Library web site: http://docs.lib.noaa.gov/rescue/dwm/data_rescue_daily_weather_maps.html. For information on subscriptions and to subscribe, contact NNDC/NCDC, P.O. Box 70169, Chicago, IL 60673-0169 at (866) 752-3322. CD quarterly issues are available as back issues from January, 2003 forward. One Year Subscription (Issued quarterly) **\$140.00**
 Quarterly Back Issues...(Specify Year and Quarter)..... **\$35.00**

Engineering Weather Data (Includes Air Force Supplemental CD) (CDEWD) This CD-ROM contains an update of a very popular publication that was first printed by the Air Force in 1967 and republished in 1978. As compared to the Engineering Weather Data publication, the new interactive CD-ROM data base contains updated meteorological tables, new summarized parameters, and graphical displays. Approximately 800 worldwide stations have been summarized. The period of record summarized for most stations is 1973-1996. For each station, the data and information on this CD-ROM include: summarized design criteria data for dry and wet bulb temperatures and humidity ratios, average annual climate summaries, psychrometric summaries, binned temperature data, annual temperature and humidity summaries, heating and cooling degree data summaries for building envelop loads, ventilation and infiltration loads, solar radiation data, and seasonal wind direction and wind speed summaries. **\$35.00**

Global Climate Normals (1961-1990) (CDGCN) This CD-ROM contains a collection of DOS files which describe the 1961 - 1990 global standard climate normals for over 4000 stations worldwide, computed by more than 135 countries and territories. The files include ASCII data files, documentation files, eye-readable ASCII table files, graphics files, and limited extraction software. The data are provided in large files with a fixed length record format. They can be read by software written by the user according to the format specifications outlined in the documentation files. The data files may also be opened by any ASCII-compatible application that can handle large data volumes. The graphics files are maps identifying the countries that submitted normals. This CD-ROM contains no software or extraction routines that allow users to import the data directly into their spreadsheets or other applications. NCDC product in conjunction with the World Meteorological Organization. **\$35.00**

Global Daily Climatology Network (CDGDCN) The Global Daily Climatology Network (GDCN) represents a compilation of global daily timescale data into a single and consistent format. The data set will serve the needs of researchers, weather-sensitive businesses, agriculture, and policy makers who are dependent upon complete and accurate analysis of daily weather data. This 2 disk CD-ROM set contains ASCII format daily surface weather data (maximum and minimum temperature and precipitation) from around the globe. The individual station files, over 30,000 in all, share a common format and have variable record lengths. Metadata information for all stations are included in a single inventory file. In addition, users will find complete documentation available in three popular document formats (.wpd, .doc, and .pdf). This CD-ROM set does not contain import and/or extraction software for processing the data. For more detailed information about this data visit the web site at: <http://www.ncdc.noaa.gov/oa/climate/research/gdcn/gdcn.html>. **\$70.00**

Global Daily Summary (1977-1991) (CDGLDA) This CD-ROM provides access to a 10,000-station set of daily maximum/minimum temperature, daily precipitation, and 3-hourly present weather for the 1977-1991 period of record. Data can be selected for viewing or output to file for geographic areas or by a predefined user-selected list of stations. The data set includes element flags for suspected erroneous data. A data inventory contains station name, latitude/longitude, elevation, period of record, and the number of observations of available data. Accuracy of data is less than that found in the GSOD or GDCN CD-ROM's. Requires minimum of 4 MB with 8MB of RAM recommended. DOS only. **\$35.00**

Global Historical Fields (Version 1.0) (CDGHF) This CD-ROM allows users to view daily surface charts for the period 1899 through April 1994, but has no data for the Southern Hemisphere. Daily upper air charts (700 mb, 500 mb, 300 mb) are available from the late 1940's through April 1994. Surface charts contour sea level pressure only (not station plots); upper air charts contour geopotential heights and temperatures. Charts can be contoured, looped, and exported to a file or printer. Joint NCDC and U.S. Navy product. DOS only **\$35.00**

Global Tropical and Extratropical Cyclone Climatic Atlas (Version 2.0) (CDGTEC) This single volume CD-ROM contains all global historic tropical storm track data available for five tropical storm basins. Periods of record vary for each basin with the beginning as early as the 1870's and with 1995 as the latest year. Northern hemispheric extratropical storm track data are included from 1965 to 1995. Tropical track data includes time, position, storm stage (and maximum wind, central pressure when available). The user has the capability to display tracks, and track data for any basin or user-selected geographic area. The user is also able to select storm tracks passing within a user-defined radius of any point. Narratives for all tropical storms for the 1980-1995 period are included along with basin-wide tropical storm climatological statistics. Joint NCDC and U.S. Navy product. Requires 520K RAM memory. DOS only. **\$35.00**

Global Upper Air Climatic Atlas (GUACA) (Version 1.0) (CDGUACA) This two-volume CD-ROM set uses 12 year (1980-1991) 2.5 degree gridded upper air climatic summaries derived from the European Centre for Medium Range Weather Forecasts (ECMWF) model analyses. The CD-ROM presents upper air statistics for 15 different vertical levels in the Northern and Southern Hemisphere for dry bulb and dew point temperature, geopotential height, air density, and vector and scalar wind speed. The CD-ROM provides access/display software for gridpoint data, contouring capability for user-defined areas, and vertical profiles. The climatology covers the 12-year period as well as individual year-months. Joint NCDC and U.S. Navy product. An ASCII data CD-ROM (no graphic interface) is also available covering the 1980-1995 period. DOS only. . **\$70.00**
 ASCII data CD ROM without graphic interface covering 1980-95 (CDGUAS) **\$35.00**

Hourly Modeled Sounding Data (CDHSM) This 12 volume CD-ROM set contains hourly 80 KM modeled gridpoint U.S. sounding data for 1990. This data is the output from the Penn State University MM4 model which used available daily sounding data for 1990 as input. Wind, temperature, dewpoint, depression, and geopotential height data for 8 standard and 15 variable levels are included in the NWS TTAA, TTBB format. One of the applications of this CD-ROM is to access air pollution impacts on a local scale. Joint NCDC and ARL product. Requires 544K of RAM. Sold only as a set, DOS only. \$ **420.00**

Hourly United States Weather Observations (1990-1995) (CDHUSW) The CD contains over 12 million hourly weather observations from 262 National Weather Service stations nationwide. This updates an earlier set of CD's (SAMSON) covering the period 1961-1990. It has a map interface and station list for data selection, or the user can copy the data files direct from the CD (without using the interface). The elements included are: Total and opaque sky cover, temperature and dew point, relative humidity, station pressure, wind direction (true north) and speed, visibility, ceiling height, present weather, ASOS cloud layer data, snow depth, and hourly precipitation. Data can be output in either English or metric units. The project was partly funded by the Environmental Protection Agency (EPA). \$ **35.00**

Integrated Surface Weather Observations (CDISH) The global surface hourly observations contained on this CD-ROM series are integrated from all of the NCDC and Navy surface hourly data (TD3280), NCDC hourly precipitation data (TD3240), and Air Force DATSAV3 surface hourly data (TD9956). Hourly and synoptic type data for approximately 12,000 global stations are available for 1995-2007. A station list and map interface allows the user to easily select the data in either Integrated Surface Hourly format or delimited/abbreviated format. Various elements such as temperature, dew point, wind speed and direction, sea level pressure, visibility, cloud ceiling, present weather, precipitation, snowfall, snow depth, altimeter setting, station pressure, etc are available, as reported by each station. Each volume contains all the software, support files, and documentation so each volume may be used alone or in combination with other volumes for each time period. This product was developed for a Windows environment; MacIntosh and Unix versions are not supported using the map interface. Each CD/DVD. \$ **35.00**

International Station Meteorological Climate Summary (ISMCS) (Version 4.0) (CDISMC) The ISMCS Version 4.0 CD-ROM gives detailed climatological summaries for 2600 locations worldwide. These locations include National Weather Service stations, domestic and overseas Navy and Air Force sites, and numerous foreign stations. Limited summaries are also given for approximately 4000 additional worldwide sites. This version also contains year/month and long term mean precipitation data for 1000 foreign locations. Tabular or statistical data can be exported to a printer or spreadsheet. Joint NCDC, USAF and U.S. Navy product. DOS only. Three various climatic summary type tables are available on the ISMCS. Each summary has climatic tables which vary in content and format. \$ **35.00**

Local Climatological Data Annual Summaries (CDLCDA) This CD-ROM contains Local Climatological Data Annual Summaries for all stations that were published. The annual summary includes that specific years monthly summaries as well as climatic normals and extremes. Tables showing a 30 year monthly history of temperature means, precipitation totals, snow totals, and heating & cooling degree days are also provided. Wind and humidity climatology tables and a monthly tally of rain days, snow days and days within selected temperature thresholds are also included along with a narrative climate description. The publication and CDROM are usually available within 3 - 6 months after the end of the year. \$ **35.00**

Long-Term Data Sets About Freezing Rain and Ice Storms in the United States (CDFRZRIN) This project developed historically reliable data sets on freezing rain occurrences and ice storm losses. The specific objectives were to develop enhanced climatological data sets and make these data available to the scientific, government and business communities. This volume includes the following data sets: 1) Frequency of days per month with freezing rain as recorded at over 235 first order stations; 2) Frequency of days per month with freezing rain as recorded at over 740 cooperative observer (and some airport) stations; 3) Frequency of hours per month with freezing rain as recorded at over 235 first order stations; and 4) Ice storm loss data for 1949-2000 based on property insurance data. Created by Changnon Climatologist, Mahomet, IL in conjunction with NCDC. Funded by the Office of Global Programs of NOAA. \$ **22.00**

Monthly Station Climate Summaries (1971-2000) (CDR-CLIM20) The Monthly Station Climate Summaries for the 1971-2000 period of record (Climatology of the United States No. 20) are station summaries of particular interest to agriculture, industry and engineering applications and include a variety of statistics for temperature, precipitation, snow, and degree day elements for 4,453 stations in the conterminous United States, Alaska, Hawaii, Puerto Rico, Virgin Islands, and Pacific Territories. The types of statistics include means, median (precipitation and snow elements), extremes, mean number of days exceeding threshold values, and probabilities for monthly precipitation and freeze data. There is also a table for each station with heating, cooling, and growing degree days for various temperature bases. The summaries are available in PDF and ASCII formats. \$ **35.00**

National Climatic Data Center Periodical Publications (CDPUB) This new DVD of National Climatic Data Center Periodical Publications contains PDF format versions of the most popular NCDC serial publications; monthly issues (annuals when available) for one full year of: Local Climatological Data (all published stations), Climatological Data (all states), Hourly Precipitation Data (all states), Storm Data, and Monthly Climatic Data for the World provided on DVD. DVD is time delayed and is issued about six months after each December issue. Each Year (2001-2006) (OFFLINE): \$ **35.00**
The CD-ROM is issued quarterly along with all annual summaries. First issues: 1998-2000 are only available in CD-ROM. Adobe Acrobat reader provided on the CD. Each Quarter \$ **35.00**
Complete Set per year: \$ **140.00**

NCDC Cooperative Station Data (CDCOOP) These CD-ROMs contain ASCII data files and associated station history files for the Cooperative Summary of the Day (TD3200) data set. The data set is a compilation of daily observations from more than 20,000 cooperative weather stations in the United States, U.S. Caribbean Islands, U.S. Pacific Islands, and Puerto Rico. Available data includes air and soil temperatures, rainfall, snowfall, and evaporation elements. A map interface has also been added for ease of use. The period of record varies among stations but falls within the period from the 1850s through 2001. Eastern, Central, and Western US Volumes available. Per Volume \$ **35.00**
Complete Set for all 3 volumes: \$ **105.00**
The **Update Disk** contains compressed files for 2002-2006 and also includes DS 3210 data which comprises just the "first-order" National Weather Service sites (the same stations are also in DS 3200), but also includes some additional data elements that are not reported by Cooperative stations. The files are in the raw, archive format without any software for conversion to a spreadsheet ready format..... \$ **35.00**

Probabilities of Temperature Extremes in the United States (CDTEMP) This CD-ROM provides the capability to estimate the probability, for 332 locations in the 50 U.S. states, that an extreme temperature will occur for 1 or more consecutive days and/or for any number of days in a given month or season, based on statistics from the observed climate. It also provides the capability to examine how the probabilities might change given a monthly forecast of above or below normal temperature or even to examine climate change scenarios. This can be done by modifying the normal statistics through adjustment of any or all 4 statistics that describe the daily temperatures. It then estimates the scenario probabilities as well. Normal and scenario probabilities are shown as graphs for both consecutive days and any days. Scenario adjustments can be user supplied or calculated from climate model (GFDL, UKMO) projections. Installation instructions provided. **\$35.00**

Products and Services Guide Publication (GUIDE/CDROM) This publication describes the wide range of products and services available from the National Climatic Data Center. Our users range from large engineering firms designing the latest in safe energy efficient structures, to the attorney documenting a weather event, to the individual planning for a retirement move. Services offered include data resource consultations, subscription items and publications, copies of original records, certifications, generation of specialized climate studies, and a host of other climate-related activities. Services are delivered on a variety of media including on-line access, CD-ROMs, floppy disks, computer tabulations, maps, and publications. (CD-ROM) **No Charge**

Radiosonde Data of North America (1946-1996) (Version 1.0) (CDRADN) Contains all available radiosonde data for North America (U.S., Canada, Mexico, and Caribbean Islands) through the 100-mb level on four disks. Periods covered are: 1946-1965, 1966-1979, 1980-1989, and 1990-1996. The 1990-1996 data is also available as a separate CD-ROM (\$35.00). Data includes significant, mandatory, and special wind levels for all observation times, and includes geopotential height, temperature, dew point, wind direction, and scalar speed. The user can select for output to printer, screen, or file: a single station or multiple stations for a defined time period, or all stations within a specified geographic region in either synoptic or station sort. The CD contains available station metadata, and software is available to access the data for DOS, UNIX and VMS computer systems. The update includes data above 100mb for the period 1994 through 1997 and requires separate access software. The version 2 software can be found at http://raob.fsl.noaa.gov/Raob_Software.html. Joint NCDC and ERL product. Data collected since the most recent CD can be found at <http://raob.fsl.noaa.gov/>. Four disk set.(1946-1996) **\$140.00**
Global Dataset Update (Latest volume (1994-2007)). **\$35.00**

SnowStorm Data: Long-Term Data Sets About Snowstorms in the United States (CDSNOWSTORM) A goal of this 3 year project was to develop 5 data sets each pertaining to different aspects of snowstorms in the conterminous United States during the 20th century. The cd contains the following data sets:

- Point (station) values of snowstorms of 6 inches or more in 1 or 2 days, 1901-2000, across the entire United States.
- Descriptions of features of mapped snowstorms for 1951-2000 in the eastern two thirds of the United States.
- Snowstorm catastrophes, causing >\$1 million in damages, during 1949-2000, for the entire United States.
- The frequency values for once in 5-year snow amounts, once in 10-year snow amounts, and record highest snowstorm amounts during 1948-2000, as based on 1- to 2- day storms, and for the eastern two-thirds of the United States.
- Winds, precipitation, and temperatures associated with the top ten heaviest snowstorms at selected first-order stations for 1950-2000, in the eastern two-thirds of the United States. **No Charge**

Solar and Meteorological Surface Observation Network (SAMSON) (CDSAMS) The Solar and Meteorological Surface Observation Network (SAMSON) 3-volume CD-ROM set is divided geographically into regions: Eastern, Central, and Western U.S. It contains hourly solar radiation data along with selected meteorological elements for the period 1961-1990. It encompasses 237 NWS stations in the United States, plus offices in Guam and Puerto Rico. The data set includes both observational and modeled data. The hourly solar elements are: Extraterrestrial horizontal and extraterrestrial direct normal radiation; global, diffuse, and direct normal radiation. Meteorological elements are: Total and opaque sky cover, temperature and dew point, relative humidity, pressure, wind direction (true north) and speed, visibility, ceiling height, present weather, precipitable water, aerosol optical depth, snow depth, days since last snowfall, and hourly precipitation. Joint NCDC and NREL product. DOS only. Eastern, Central, or Western Region (each): **\$35.00**
Complete Set: **\$105.00**

Storm Events Database (CDSSED) The Storm Events Database is the archive of data pertaining to occurrences of storms and unusual U.S. weather phenomena. Such data are collected by the National Weather Service from various sources and are forwarded to the National Climatic Data Center for publication in the monthly issues of "Storm Data." Reports contain information on the date and time of the events, counties affected, latitude and longitude for selected events such as tornadoes and thunderstorms, storm paths, injuries, fatalities, property and crop damage, and narrative descriptions of the events (since 1993). Weather phenomena documented include droughts, dust storms, floods, fog, hail, hurricane and tropical storms, lightning, tornadoes, wildfires, ocean surf, precipitation, snow and ice, temperature extremes, and thunderstorms and high winds. The Storm Events Database contains data from the following sources: All Weather Events from 1993 - Current, as entered into "Storm Data"(except 6/93 - 7/93, which is missing) (NO Latitude/Longitude provided for 1993-1995). Additional data obtained from the Storm Prediction Center includes Tornadoes 1950-1992; Thunderstorm Winds 1955-1992; and Hail 1955-1992. The data is updated on a monthly basis and is usually 90-120 days behind the current month. Data DVD's are produced on demand and include the most recent data available. The DVD contains no software or extraction routines. Available formats include: dBase4, Paradox7, Visual FoxPro6.0 and Microsoft Access. The NCDC Storm Event database is available online and can be searched to find various types of storms recorded in your county or use other selection criteria as desired. It is found at: <http://www4.ncdc.noaa.gov/cgi-win/wv.cgi.dll?wvEvent~Storms> Updated CD..... **\$74.00**

The Maury Collection Global Ship Observations (1792-1910) (CDMAUR) To commemorate Maury, NCDC produced a CD-ROM containing ASCII files of nearly 1.5 million historical ships' weather observations covering 1792-1910, with the majority taken during the period 1820-1860. The observations include air and sea temperatures, currents, pressure, cloud cover, present weather and wind direction/speed. The data were digitized from paper copies of hand written forms through the Joint Coordination Panel for Data and Information Cooperation facilitated by NOAA and the government of China. **\$35.00**

U.S. Daily Climatic Normals (1971-2000) (CDCLIM84) This CD provides the 1971-2000 Daily Normals of temperature, precipitation, and degree days for nearly 8000 weather stations. It also contains the monthly, seasonal, and annual Normals along with the precipitation probabilities and quintiles. The interface allows the user to select an easily readable web form, or a text file that can be imported into a spreadsheet. Microsoft Internet Explorer is required to view and print the web form. Text files can be accessed directly without the use of a web browser. The data are published by station. **\$35.00**

U.S. Divisional and Station Climatic Data and Normals (1961-1990 and Earlier) (Volume 1.0) (CDUSDS) This NCDC CD-ROM contains a collection of ASCII text data and documentation files that pertain to the U.S. climate normals and by-products of the normals. Climatic variables include temperature, precipitation, degree days, and Palmer Drought Indices. The normals period for 1961-1990 is covered with monthly values calculated for approximately 6600 precipitation and 4700 temperature stations. Earlier data/normals are provided for comparison and research applications. This CD-ROM contains no software or extraction routines that allow users to import the data directly into their spreadsheets or other applications. Format and description of the files match NCDC magnetic tape series TD-9640 and TD-9641. **\$35.00**

U.S. Hourly Precipitation Data (CDHPD) These data and software were developed jointly by the NCDC and NOAA's Forecast Systems Laboratory (FSL). Data files contain hourly precipitation amounts for more than 2500 active stations and close to 7000 total stations. The period of record is 1948 through June 1998 although some stations begin in 1900. Access software, available for most UNIX and DOS platforms, is included to extract data from the CD-ROM archive and, if needed, can be used to summarize the data into daily or monthly precipitation quantities. Display software (java-enabled web browser required) will generate zoomable map and time series graphics. Additional information about the data archive and access software is available from the FSL. (Two CD-ROM Set). **\$70.00**

U.S. Monthly Climate Normals (1971-2000) (CDCLIM81) This CD-ROM contains 1971-2000 U.S. monthly station normals for the 50 U.S. states, Pacific Islands, Virgin Islands, and Puerto Rico. The normals can be accessed in both the Adobe PDF and ASCII file formats from a simple html interface. This product includes normals of average monthly and annual maximum, minimum, and mean temperature (degrees F), monthly and annual total precipitation (inches), and heating and cooling degree days (base 65 degrees F). **\$35.00**

United States Snow Climatology (CDSNOW) This 3-disk CD-ROM Set describes the snow climatology of the United States. Snowfall and snow depth data through 1996 were analyzed for 5525 stations in the contiguous U.S. and Alaska. Climatic variables include daily, monthly, and seasonal snowfall and snow depth (snow cover). Computed statistics include mean, median, quartiles, extremes, frequencies, and the number of years with non-missing data. Several indicators were computed, based on the data and metadata, to enable the user to assess the quality of the stations. These include frequencies of station moves and observation time changes, number of missing values and breaks in the record, number of values failing the QC checks, and percentages indicating how complete the data record is. The snow climatology CD-ROM also includes files from two other NCDC projects: return period statistics of seasonal (August-July) 1-day, 2-day, and 3-day extreme snowfall, and total seasonal snowfall amount, for 10-year, 25-year, and 100-year return periods; 1961-1990 snowfall and snow depth normals. The CD-ROM set is a collection of DOS ASCII files; the CD contains no software or extraction routines that allow the user to import data directly into spreadsheets or other applications. Files may be copied from the CD-ROM with the DOS copy command. **\$105.00**

World Weather Records, 1991-2000 (Version 1.1) The CD-ROM files contain tables in the World Weather Records (WWR) Print format, Station lists, a documentation file, Data in standard WWR ASCII format, and Data in a standard WWR ASCII comma delimited format. The CD also contains a program file (.exe) that will extract any station(s) table(s) on demand and display them on the screen and in a temporary folder file that remains on the user's PC until another session is launched. **\$35.00**

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