

# PC Atlas

Windows Version 2.1

based on

**The American Atlas, Expanded 5th Edition**

and

**The International Atlas, Revised 4th Edition**

*Longitudes & Latitudes, Time Changes and Time Zones*



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## **Before you open the disk package.**

Please look over the **Software License and Warranty** enclosed with the disks. Breaking the wrapper signifies that you agree to the terms of this contract: mainly, that *you will not sell or give away copies of the PC Atlas or its manual to others while still using a copy on your own computer*. Your purchase of a copy of this program entitles its use on *only one computer at a time*. If you do not agree to these terms, return the manual and unopened disk package to us, and we'll refund your money. No refunds are available on open disk packages.

Producing the *PC Atlas* has taken hundreds of hours of development time, testing and documenting. In order to continue to supply quality programs and accurate data, we need to recoup our development costs and keep people on hand to give help over the phone. So please do your part! Make sure that anyone who gets the *ACS PC Atlas* pays us or an authorized dealer for it. That way, ACS will be able to give you phone assistance and will supply you with updates as they become available.

**System Requirements:** IBM PC-compatible computer with a hard disk running Windows 3.1 or later.

**Disk Space:** 5MB for *American Atlas*, 3MB for *International Atlas*, 8 for both. For partial installation, amount of hard disk space required is controlled by user.

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## Notice

This manual is written with the assumption that you already know the basics of using Windows™ and your IBM PC or PC-compatible computer, including the management of disks, drives and directories. For basic information, refer to your owner's manuals.

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## How To Install the ACS PC Atlas for Windows

The *ACS PC Atlas for Windows* requires Windows™ 3.1 or later. The SETUP program requires Windows 386 enhanced mode. Do not attempt to install this program if you have an earlier version of Windows™ or are running Windows™ in “Standard” mode.

- If Windows™ is not already running, start Windows™.
- Exit any application prior to beginning installation.
- Put the *CD containing ACS PC Atlas for Windows* in your CD-ROM drive.
- Wait for the setup window and choose ACS Atlas. If the window does not come up automatically, then select Start/Run and type X:/setup.exe where X is the letter corresponding to your CD-ROM drive.
- Enter your serial number and follow the screen directions for the standard installation.

## Using the Atlas

Type a place name in the Place box, then hit <enter> or Alt-A or click on the Read Atlas button. The program starts with the current system values for date and time. If you want the time zone and time type information for a different date and time, enter the month, day, year, hour and minute in the appropriate boxes. For many more details, see “**How to use the ACS PC Atlas**” in the Help file. Hit the F1 key with the focus on any field or button on the Atlas screen for help.

### **Duplicate Place Names**

If there is more than one place with the name you enter in the state or country you enter, a dialog box will come up with a list of choices. If there is a preferred entry marked in the Atlas, that entry is highlighted. Counties, latitudes and longitudes are listed to help you pick among the duplicates. (For an example, enter a place of Fairview, PA and type Alt-A.)

### **Soundex**

Clicking or picking the **Soundex** button will search for cities in the state or country that sound somewhat like what you entered. The Soundex system matches on the first letter and a few consonants, so some of the matches are extremely loose.

### **LatLon Search**

Clicking or picking the **LatLon Search** button will first get you a dialog to specify coordinates, then search for cities in the state or country within the distance you specify of the latitude and longitude you enter. The coordinates dialog box initially shows the latitude and longitude most recently looked up.

### Table

Clicking or picking the **Table** button will get you a table showing a history of time changes for the city in the Place box.

**S** = Standard Time    **D** = Daylight Time    **W** = War Time

See Help for a complete listing of all time type abbreviations.

### Coords (Coordinates)

Clicking or picking the **Coords** button will look up latitude and longitude without looking up time changes.

### Cities

This Atlas includes over 249,000 place names (96,317 International and 152,801 US), plus full time change information for those places.

### Abbreviations in Place Names

The following abbreviations in place names will be expanded if they are separated from the rest of the place name by a space.

#### Local Abbreviations

N	North	Gt	Great
E	East	Hts	Heights
S	South	Jct	Junction
W	West	Mt	Mount
NE	North East	Mtn	Mountain
NW	North West	Pk	Park
SE	South East	Pt	Point
SW	South West	Res	Reservation
AFB	Air Force Base	Spg	Spring
Bch	Beach	Spgs	Springs
Ctr	Center	St	Saint
Est	Estates	Ste	Sainte
Ft	Fort	Sta	Station
		U	University

#### State Abbreviations

AL	Alabama	CA	California
AK	Alaska	CO	Colorado
AZ	Arizona	CT	Connecticut
AR	Arkansas	DE	Delaware

## State Abbreviations continued

DC	District of Columbia	NJ	New Jersey
FL	Florida	NM	New Mexico
GA	Georgia	NY	New York
HI	Hawaii	NC	North Carolina
ID	Idaho	ND	North Dakota
IL	Illinois	OH	Ohio
IN	Indiana	OK	Oklahoma
IA	Iowa	OR	Oregon
KS	Kansas	PA	Pennsylvania
KY	Kentucky	PR	Puerto Rico
LA	Louisiana	RI	Rhode Island
ME	Maine	SC	South Carolina
MD	Maryland	SD	South Dakota
MA	Massachusetts	TN	Tennessee
MI	Michigan	TX	Texas
MN	Minnesota	UT	Utah
MS	Mississippi	VT	Vermont
MO	Missouri	VA	Virginia
MT	Montana	WA	Washington
NE	Nebraska	WV	West Virginia
NV	Nevada	WI	Wisconsin
NH	New Hampshire	WY	Wyoming

## International Abbreviations

AFG	Afghanistan	BAHR	Bahrain
ALB	Albania	BANG	Bangladesh
ALG	Algeria	BARB	Barbados
ASAM	American Samoa	ATG	Barbuda
AND	Andorra	BELARU	Belarus
ANG	Angola	BEL	Belgium
ANGU	Anguilla	BLZ	Belize
ATG	Antigua	BENIN	Benin
ARG	Argentina	BER	Bermuda
ARMENI	Armenia	BHU	Bhutan
AUSTL	Australia	BOL	Bolivia
AUS	Austria	SAFR	Bophuthatswana
AZERBA	Azerbaijan	BOSNIA	Bosnia
PORT	Axores	BOTS	Botswana
BA	Bahamas	BRZ	Brazil

**International Abbreviations** continued

BLZ	British Honduras	ESTON	Estonia
VI	British Virgin Islands	ERITR	Ethiopia
BRU	Brunei	FRI	Faeroe Islands
BULG	Bulgaria	FLI	Falkland Islands
BKF	Burkina Faso	FIJI	Fiji
MYAN	Burma	FIN	Finland
BDI	Burundi	FR	France
CAMB	Cambodia	FRGU	French Guiana
CAM	Cameroon	FRPO	French Polynesia
CAN	Canada	GABON	Gabon
PAN	Canal Zone	GAM	Gambia
CV	Cape Verde	GEORGI	Georgia, USSR
CAYI	Cayman Islands	GER	Germany
CAR	Central African Rep	GHANA	Ghana
SLAN	Ceylon	GIB	Gibraltar
CHAD	Chad	ENG	Great Britain
CHILE	Chile	GRC	Greece
CHINA	China	GRNL	Greenland
SAFR	Ciskei	GREN	Grenada
COL	Colombia	GUAD	Guadeloupe
COMI	Comoros	GUAM	Guam
CONGO	Congo	GUAT	Guatemala
ZAIRE	Congo, Dem. Rep of	GUER	Guernsey
CKIS	Cook Islands	GUIN	Guinea
CR	Costa Rica	GUBI	Guinea-Bissau
CROAT	Croatia	GUY	Guyana
CUBA	Cuba	HAITI	Haiti
CYP	Cyprus	HON	Honduras
CZEC	Czech Republic	HK	Hong Kong
BENIN	Dahomey	HUN	Hungary
DEN	Denmark	ICE	Iceland
JIB	Djibouti	INDIA	India
DOM	Dominica	INDSA	Indonesia
DR	Dominican Republic	IRAN	Iran
GER	East Germany	IRAQ	Iraq
EC	Ecuador	IRE	Ireland
EGYPT	Egypt	NIRE	Ireland, Northern
ELS	El Salvador	IMAN	Isle of Mann
ENG	England	ISRL	Israel
EQU	Equatorial Guinea	ITALY	Italy
ERITR	Eritrea (Ethiopia)	IVC	Ivory Coast



**International Abbreviations** continued

JAM	Jamaica	MOZ	Mozambique
JAPAN	Japan	OMAN	Muscat and Oman
INDSA	Java	MYAN	Myanmar
JER	Jersey	NAM	Namibia
JIB	Jibuti	NAURU	Nauru
JOR	Jordan	NEPAL	Nepal
CAMB	Kampuchea (Cambodia)	NETH	Netherlands
		NANT	Netherlands Antilles
KAZAKH	Kazakhstan, USSR	NCAL	New Caledonia
KENYA	Kenya	NZ	New Zealand
KIRI	Kiribati	NIC	Nicaragua
KUW	Kuwait	NIGER	Niger
KYRGYZ	Kyrgyzstan, USSR	NIG	Nigeria
LAOS	Laos	NIUE	Niue
LATV	Latvia	NORF	Norfolk Island
LEB	Lebanon	NIRE	Northern Ireland
LESO	Lesotho	NKOR	North Korea
LIBR	Liberia	NOR	Norway
LIBY	Libya	OMAN	Oman
LICT	Liechtenstein	PITT	Pacific Is Trust Terr
LITH	Lithuania	PAK	Pakistan
LUX	Luxembourg	PAN	Panama
MACAU	Macao	PAPUA	Papua New Guinea
MACED	Macedonia	PAR	Paraguay
MADA	Madagascar	PERU	Peru
MALW	Malawi	PHIL	Philippines
MLYS	Malaysia	PITC	Pitcairn
MALD	Maldives Islands	POL	Poland
MALI	Mali	PORT	Portugal
MALTA	Malta	GUBI	Portuguese Guinea
MART	Martinique	INDSA	Portuguese Timor
MAUR	Mauritania	PR	Puerto Rico
MAUS	Mauritius	QATAR	Qatar
MAYT	Mayotte	REU	Reunion
MEX	Mexico	ZIM	Rhodesia
MIDW	Midway Islands	ROM	Romania
MOLDOV	Moldova, USSR	RUSSIA	Russia, USSR
MONAC	Monaco	RW	Rwanda
MONG	Mongolia	STKN	St Christopher (Kitts-Nevis)
MNTS	Montserrat		
MOR	Morocco	STHEL	St Helena

## International Abbreviations continued

STLU	St Lucia	TONGA	Tonga
STPM	St Pierre & Miquelon	SAFR	Transkei
STVI	St Vincent & Grenadines	TRIN	Trinidad & Tobago
SMAR	San Marino	TUN	Tunisia
SAOT	Sao Tome & Principe	TUR	Turkey
SAUDI	Saudi Arabia	TURKME	Turkmenistan, USSR
SCOT	Scotland	TCI	Turks and Caicos
SEN	Senegal	TUV	Tuvalu Islands
SERBIA	Serbia & Montenegro	UG	Uganda
SEY	Seychelles	UKRAIN	Ukraine, USSR
SL	Sierra Leone	UAE	United Arab Emirates
SING	Singapore	ENG	United Kingdom
SLOVAK	Slovakia		
SLOVEN	Slovenia		United States of America use state abbreviation
SOLIS	Solomon Islands		
SOM	Somalia	BKF	Upper Volta (Burkina Faso)
SAFR	South Africa	UR	Uruguay
YEMEN	Southern Yemen	UZBEK	Uzbekistan, USSR
SGEO	South Georgia & South Sandwich	VANU	Vanuatu
SKOR	South Korea	ITALY	Vatican City
NAM	Southwest Africa (Namibia)	VENDA	Venda
SPAIN	Spain	VEN	Venezuela
SPAIN	Spanish North Africa	VIET	Vietnam
SLAN	Sri Lanka	VI	Virgin Islands
SUDAN	Sudan	WAKE	Wake Island
SUR	Surinam	WALES	Wales
SWAZ	Swaziland	WALF	Wallis and Futuna
SWED	Sweden	MOR	Western Sahara (Morocco)
SWTZ	Switzerland	WSAM	Western Samoa
SYRIA	Syria	GER	West Germany
TAIW	Taiwan	YEMEN	Yemen (North and South)
TAJKI	Tajikistan, USSR		
TANZ	Tanzania	ZAIRE	Zaire
THAI	Thailand	ZAM	Zambia
TOGO	Togo	ZIM	Zimbabwe
TOKIS	Tokelau Islands		

**Latitude**

Latitude is a coordinate measuring positions on the earth north and south from the equator. Latitude is zero at the equator and ninety degrees at each pole (north and south).

**Longitude**

Longitude is a coordinate measuring positions on the earth east and west from the zero meridian which runs through a specific telescope in the observatory in Greenwich, England. Longitude is zero at the Greenwich meridian and is usually measured 180 degrees east and west. The International Date Line is around the 180 degree longitude meridian, with minor jogs. Longitude can also be measured in hours, with the full circle around the earth being 24 hours. Each hour is 15 degrees of longitude wide. This is the basis of time zones.

**Time Zones**

A time zone is a geographic region in which clocks (if they are accurate) are supposed to all keep the same "Standard" time. A time zone is usually 15 degrees or one hour of longitude wide, but zone boundaries follow political borders rather than smoothly following meridians of longitude. The time observed in each zone is usually that of the central meridian of the zone, which is usually an even multiple of 15 degrees away from the Greenwich meridian. Before time zones were established in the 1800s, local mean time was used, and the time changed with every change in longitude. Before local mean time, local apparent time was used, and the time also changed with the seasons.

## Standard Time Zones

<b>Abbr.</b>	<b>Time Zone Name</b>	<b>Hours Longitude</b>	<b>from UT</b>
UT	Universal Time	0W00	0:00
WAT	West Africa Time	15W00	1:00
AT	Azores Time	30W00	2:00
BZT2	Brazil Zone 2	45W00	3:00
NST	Newfoundland Standard Time	52W30	3:30
AST	Atlantic Standard Time	60W00	4:00
EST	Eastern Standard Time	75W00	5:00
EDT	Eastern Daylight Time	75W00	4:00
EWT	Eastern War Time	75W00	4:00
CST	Central Standard Time	90W00	6:00
CDT	Central Daylight Time	90W00	5:00
CWT	Central War Time	90W00	5:00
MST	Mountain Standard Time	105W00	7:00
MDT	Mountain Daylight Time	105W00	6:00
MWT	Mountain War Time	105W00	6:00
PST	Pacific Standard Time	120W00	8:00
PDT	Pacific Daylight Time	120W00	7:00
PWT	Pacific War Time	120W00	7:00
YST	Yukon Standard Time	135W00	9:00
YDT	Yukon Daylight Time	135W00	8:00
YWT	Yukon War Time	135W00	8:00
AHST	Alaska-Hawaii Standard Time	150W00	10:00
AHDT	Alaska-Hawaii Daylight Time	150W00	9:00
AHWT	Alaska-Hawaii War Time	150W00	9:00
HST	Hawaiian Standard Time	157W30	10:30
HDT	Hawaiian Daylight Time	157W30	9:30
HWT	Hawaiian War Time	157W30	9:30
BET	Bering Standard Time	165W00	11:00
IDLW	Int'l Date Line West	180W00	12:00
UT	Universal Time	0W00	0:00
BST	British Summer Time	0W00	-1:00
BDST	British Double Summer Time	0W00	-2:00
CET	Central European Time	15E00	-1:00
EET	Eastern European Time	30E00	-2:00
BAT	Baghdad Time	45E00	-3:00
IT	Iran Time	52E30	-3:30
USZ3	USSR Zone 3	60E00	-4:00

## Standard Time Zones continued

Abbr.	Time Zone Name	Hours Longitude	from UT
USZ4	USSR Zone 4	75E00	-5:00
IT	Indian Time	82E30	-5:30
USZ5	USSR Zone 5	90E00	-6:00
NST	North Sumatra Time	97E30	-6:30
USZ6	USSR Zone 6	105E00	-7:00
JT	Java Time	112E30	-7:30
AWST	Australian Western Standard Time	120E00	-8:00
AWDT	Australian Western Daylight Time	120E00	-9:00
MT	Moluccas Time	127E30	-8:30
JST	Japan Standard Time	135E00	-9:00
ACST	Australia Central Standard Time	142E30	-9:30
ACDT	Australia Central Daylight Time	142E30	-10:30
AEST	Australian Eastern Standard Time	150E00	-10:00
AEDT	Australian Eastern Daylight Time	150E00	-11:00
UZ10	USSR Zone 10	165E00	-11:00
NZ	New Zealand Time	172E30	-11:30
NZS	New Zealand Summer Time	172E30	-12:30
NZT	New Zealand Std Time	180E00	-12:00
NZST	New Zealand Std Summer Time	180E00	-13:00

For zones on Daylight Savings Time or War Time, subtract one hour for effective time. For zones on Double Summer Time, subtract two hours for effective time zone.

### Time Changes

Daylight Time (also called Daylight Savings Time, Summer Time or War Time), and its stronger relative Double Summer Time, were first used as power-saving measures. By changing clocks by an hour you shift what part of the day most people are active. Due to the large portion of an industrial population on rigid schedules, this ends up having more people gain an active afternoon or evening hour of daylight than lose an early morning hour of daylight. The actual regulation of the use of Daylight Time has been extremely messy over a period of many years, with variations down to individual cities, which is why the Atlas is needed.

## Technical Support

If you are having a problem running your software, please don't hesitate to call. Most technical problems can be solved in less than two minutes.

We understand that we provide software for the general public, not computer experts. Most of our customers know very little about their computer. If you don't know DOS or Windows™, please review your manuals prior to calling for technical support .

Here's a checklist to help you when you run into a problem.

- Read through the documentation thoroughly.
- Know what program you're using. This program is the *ACS PC Atlas for Windows 2.1*.
- Know what equipment you're using. Use this space to keep your computer model information handy.

Computer Model: \_\_\_\_\_

*PC Atlas* Serial Number: \_\_\_\_\_

As soon as you receive an error message, write it down and have it ready for us. This can tell us exactly what the problem is.

Be prepared to give the following information also:

Amount of physical RAM

Hard Disk size

Free space on Hard disk

Version of DOS

Version of Windows™

What job were you working on?

Were you entering data to retrieve latitudes and longitudes?

Have you used that part of the program before?

With all this information at hand, call **858-492-9919**. Technical support is available Monday through Friday, 9 AM TO 5 PM, Pacific Time. Ask for "Technical Support for the *PC Atlas*."