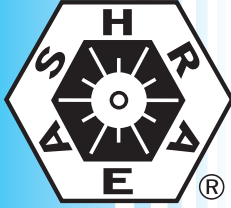


**ANSI/ASHRAE Addendum a to
ANSI/ASHRAE Standard 169-2006**



ASHRAE STANDARD

Weather Data for Building Design Standards

Approved by the ASHRAE Standards Committee on June 24, 2006; by the ASHRAE Board of Directors on June 29, 2006; and by the American National Standards Institute on June 30, 2006.

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**American Society of Heating, Refrigerating
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1791 Tullie Circle NE, Atlanta, GA 30329

www.ashrae.org

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FOREWORD

Addendum a to ANSI/ASHRAE/IESNA Standard 90.1-2001, Energy Standard for Buildings Except Low-Rise Residential Buildings, added climatic data for seven new locations: Washington DC Reagan Washington National Airport, Virginia, and six island locations in the Pacific Ocean. These data are included in Tables C1 and C3 of this addendum to ANSI/ASHRAE Standard 169-2006.

Since ANSI/ASHRAE Standard 169-2006 was based on ANSI/ASHRAE/IESNA Standard 90.1-2004, Energy Standard for Buildings Except Low-Rise Residential Buildings, it contained only a single location for China in Tables B3 and C3. (Standard 169-2006 Table A3 contains climatic conditions for 385 locations in China and 30 locations in Taiwan.) This addendum adds climatic data for China (368 locations) and Taiwan (38 locations) in Tables B3 and C3. These changes were originally proposed in 2005 as Addendum o to Standard 90.1-2004 and Addendum h to ANSI/ASHRAE Standard 90.2-2004, Energy-Efficient Design of Low-Rise Residential Buildings. Errors in the data for locations in Mexico were also identified in proposed Addendum o to Standard 90.1-2004 and proposed Addendum h to Standard 90.2-2004. This addendum provides corrected values for those locations in Table C3.

This addendum also has minor typographical changes from the above addenda to make the locations and countries more consistent with the data in Standard 169-2006 and the 2005 ASHRAE Handbook—Fundamentals. All other climatic data in Tables B1, B3, C1, and C3 remain unchanged.

***Note:** In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions).*

Addendum a to 169-2006

[Change Table B1 as shown below.]

TABLE B1 US Climate Zones

State	Zone
<u>Pacific Islands (PI)</u> <u>US Minor Outlying Islands</u>	
Zone 1A Except	
Midway Sand Island	2B

[Change Table B3 as follows: add the climate zones for the new locations in China and revise the zone designation of Shanghai/Hongqiao as shown, revise the climate zones for Mexico as shown, and add the climate zones for the new locations in Taiwan as shown. Note that the climate zones for Tainan and Taipei do not change.]

TABLE B3 International Climate Zones

Country	City (Province or Region)	Zone
China	Anhui	
	<u>Anqing</u>	3 A, B
	<u>Bengbu</u>	3 A, B
	<u>Fuyang</u>	3 A, B
	<u>Hefei/Luogang</u>	3 A, B
	<u>Huang Shan (Mtns)</u>	5
	<u>Huoshan</u>	3 A, B
	Beijing	
	<u>Beijing/Peking</u>	4
	Fujian	
	<u>Changting</u>	3 A, B
	<u>Fuding</u>	3 A, B
	<u>Fuzhou</u>	2
	<u>Jiuxian Shan</u>	4
	<u>Longyan</u>	2
	<u>Nanping</u>	2
	<u>Pingtian</u>	2
	<u>Pucheng</u>	3 A, B
	<u>Shaowu</u>	3 A, B
	<u>Xiamen</u>	2
	<u>Yong'An</u>	2
	Gansu	
<u>Dunhuang</u>	5	
<u>Hezuo</u>	7	
<u>Huajialing</u>	7	
<u>Jiuquan/Suzhou</u>	6	
<u>Lanzhou</u>	5	
<u>Mazong Shan (Mount)</u>	7	
<u>Minqin</u>	5	
<u>Pingliang</u>	5	
<u>Ruo'ergai</u>	7	
<u>Tianshui</u>	4	
<u>Wudu</u>	3 C	
<u>Wushaoling (Pass)</u>	7	
<u>Xifengzhen</u>	5	
<u>Yumenzhen</u>	6	
<u>Zhangye</u>	6	
Guangdong		
<u>Fogang</u>	2	
<u>Gaoyao</u>	2	
<u>Guangzhou/Baiyun</u>	2	
<u>Heyuan</u>	2	
<u>Lian Xian</u>	2	
<u>Lianping</u>	2	
<u>Meixian</u>	2	
<u>Shangchuan Island</u>	2	
<u>Shantou</u>	2	
<u>Shanwei</u>	2	
<u>Shaoguan</u>	2	
<u>Shenzhen</u>	2	
<u>Xinyi</u>	2	
<u>Yangjiang</u>	2	
<u>Zhangjiang</u>	1	

TABLE B3 International Climate Zones (Continued)

Country	Zone
City (Province or Region)	
<u>Guangxi</u>	
<u>Beihai</u>	2
<u>Bose</u>	2
<u>Guilin</u>	2
<u>Guiping</u>	2
<u>Hechi/Inchengjiang</u>	2
<u>Lingling</u>	3 A, B
<u>Liuzhou</u>	2
<u>Longzhou</u>	2
<u>Mengshan</u>	2
<u>Nanning/Wuxu</u>	2
<u>Napo</u>	2
<u>Qinzhou</u>	2
<u>Wuzhou</u>	2
<u>Guizhou</u>	
<u>Bijie</u>	4
<u>Dushan</u>	3 A, B
<u>Guiyang</u>	3 A, B
<u>Luodian</u>	2
<u>Rongjiang/Guzhou</u>	2
<u>Sansui</u>	3 A, B
<u>Sinan</u>	3 A, B
<u>Weining</u>	4
<u>Xingren</u>	3 A, B
<u>Zunyi</u>	3 A, B
<u>Hainan</u>	
<u>Danxian/Nada</u>	1
<u>Dongfang/Basuo</u>	1
<u>Haikou</u>	1
<u>Qionghai/Jiaji</u>	1
<u>Sanhu Island</u>	1
<u>Xisha Island</u>	1
<u>Yaxian/Sanya</u>	1
<u>Hebei</u>	
<u>Baoding</u>	4
<u>Cangzhou</u>	3 A, B
<u>Chengde</u>	5
<u>Fengning/Dagezhen</u>	6
<u>Huailai/Shacheng</u>	5
<u>Leting</u>	5
<u>Qinglong</u>	5
<u>Shijiazhuang</u>	4
<u>Tangshan</u>	5
<u>Weichang/Zhuizishan</u>	6
<u>Xingtai</u>	3 A, B
<u>Yu Xian</u>	6
<u>Zhangjiakou</u>	5
<u>Heilongjiang</u>	
<u>Aihui</u>	7
<u>Anda</u>	7
<u>Baoqing</u>	7
<u>Fujin</u>	7
<u>Hailun</u>	7
<u>Harbin</u>	7
<u>Hulin</u>	7

TABLE B3 International Climate Zones (Continued)

Country	Zone
City (Province or Region)	
<u>Huma</u>	8
<u>Jixi</u>	7
<u>Keshan</u>	7
<u>Mudanjiang</u>	7
<u>Qiqihar</u>	7
<u>Shangzhi</u>	7
<u>Suifenhe</u>	7
<u>Sunwu</u>	7
<u>Tailai</u>	7
<u>Tonghe</u>	7
<u>Yichun</u>	7
<u>Henan</u>	
<u>Anyang/Zhangde</u>	3 A, B
<u>Boxian</u>	3 A, B
<u>Gushi</u>	3 A, B
<u>Lushi</u>	4
<u>Nanyang</u>	3 A, B
<u>Xihua</u>	3 A, B
<u>Xinyang</u>	3 A, B
<u>Zhengzhou</u>	3 A, B
<u>Zhumadian</u>	3 A, B
<u>Hong Kong Special Admin. Region</u>	
<u>Hong Kong Intl Arpt</u>	2
<u>Hubei</u>	
<u>Fangxian</u>	4
<u>Guanghua</u>	3 A, B
<u>Jiangling/Jingzhou</u>	3 A, B
<u>Macheng</u>	3 A, B
<u>Wuhan/Nanhu</u>	3 A, B
<u>Yichang</u>	3 A, B
<u>Zaoyang</u>	3 A, B
<u>Zhongxiang</u>	3 A, B
<u>Hunan</u>	
<u>Changde</u>	3 A, B
<u>Chenzhou</u>	3 A, B
<u>Nanyue</u>	4
<u>Sangzhi</u>	3 A, B
<u>Shaoyang</u>	3 A, B
<u>Tongdao/Shuangjiang</u>	3 A, B
<u>Wugang</u>	3 A, B
<u>Yuanling</u>	3 A, B
<u>Yueyang</u>	3 A, B
<u>Zhijiang</u>	3 A, B
<u>Inner Mongolia</u>	
<u>Abag Qi/Xin Hot</u>	7
<u>Arxan</u>	8
<u>Bailing-Miao</u>	7
<u>Bayan Mod</u>	6
<u>Bugt¹</u>	7
<u>Bugt²</u>	6
<u>Chifeng/Ulanhad</u>	6
<u>Dongsheng</u>	6
<u>Duolun/Dolonnur</u>	7

¹ latitude 48.77 N, longitude 121.92 E

² latitude 42.33 N, longitude 120.70 E

TABLE B3 International Climate Zones (Continued)

Country	City (Province or Region)	Zone
	<u>Ejin Qi</u>	6
	<u>Erenhot</u>	7
	<u>Guaizihu</u>	5
	<u>Hailar</u>	8
	<u>Hails</u>	6
	<u>Haliut</u>	6
	<u>Hohhot</u>	6
	<u>Huade</u>	7
	<u>Jartai</u>	5
	<u>Jarud Qi/Lubei</u>	6
	<u>Jining</u>	7
	<u>Jurh</u>	7
	<u>Lindong/Bairin Zuoq.</u>	6
	<u>Linhe</u>	6
	<u>Linxi</u>	7
	<u>Mandal</u>	6
	<u>Naran Bulag</u>	7
	<u>Nenjiang</u>	7
	<u>Otog Qi/Ulan</u>	6
	<u>Tongliao</u>	6
	<u>Tulihe</u>	8
	<u>Uliastai</u>	7
	<u>Xi Ujimqin Qi</u>	7
	<u>Xilin Hot/Abagnar</u>	7
	<u>Xin Barag Youqi</u>	7
	<u>Jiangsu</u>	
	<u>Dongtai</u>	3 A, B
	<u>Ganyu/Dayishan</u>	4
	<u>Liyang</u>	3 A, B
	<u>Lusi</u>	3 A, B
	<u>Qingjiang</u>	3 A, B
	<u>Shenyang/Hede</u>	4
	<u>Xuzhou</u>	3 A, B
	<u>Jiangxi</u>	
	<u>Ganzhou</u>	2
	<u>Guangchang</u>	2
	<u>Ji'An</u>	2
	<u>Jingdezhen</u>	3 A, B
	<u>Lu Shan (Mountain)</u>	4
	<u>Nanchang</u>	3 A, B
	<u>Nancheng</u>	3 A, B
	<u>Xiushui</u>	3 A, B
	<u>Xunwu</u>	2
	<u>Yichun</u>	3 A, B
	<u>Jilin</u>	
	<u>Changbai</u>	7
	<u>Changchun</u>	6
	<u>Changling</u>	6
	<u>Dunhua</u>	7
	<u>Huadian</u>	7
	<u>Ji'An</u>	6
	<u>Linjiang</u>	6
	<u>Qian Gorlos</u>	7
	<u>Yanji</u>	6

TABLE B3 International Climate Zones (Continued)

Country	City (Province or Region)	Zone
	<u>Liaoning</u>	
	<u>Chaoyang</u>	5
	<u>Dalian/Dairen/Luda</u>	5
	<u>Dandong</u>	5
	<u>Haiyang Island</u>	5
	<u>Jinzhou</u>	5
	<u>Kuandian</u>	6
	<u>Qingyuan</u>	6
	<u>Shenyang/Dongta</u>	6
	<u>Siping</u>	6
	<u>Yingkou</u>	5
	<u>Zhangwu</u>	6
	<u>Ningxia</u>	
	<u>Yanchi</u>	5
	<u>Yinchuan</u>	5
	<u>Zhongning</u>	5
	<u>Qinghai</u>	
	<u>Daqaidam</u>	7
	<u>Darlag</u>	7
	<u>Delingha</u>	7
	<u>Dulan/Qagan Us</u>	7
	<u>Gangca/Shaliuhe</u>	7
	<u>Golmud</u>	6
	<u>Henan</u>	7
	<u>Lenghu</u>	7
	<u>Madoi/Huangheyan</u>	8
	<u>Oumarleb</u>	8
	<u>Tongde</u>	7
	<u>Tuotuohe/Tanggulash</u>	8
	<u>Wudaoliang</u>	8
	<u>Xining</u>	6
	<u>Yushu</u>	7
	<u>Zadoi</u>	7
	<u>Shaanxi</u>	
	<u>Ankang/Xing'an</u>	3 A, B
	<u>Baoji</u>	4
	<u>Hanzhong</u>	4
	<u>Hua Shan (Mount)</u>	6
	<u>Tongchuan</u>	5
	<u>Xi'An</u>	4
	<u>Yan An</u>	5
	<u>Yulin</u>	5
	<u>Shandong</u>	
	<u>Chengshantou (Cape)</u>	4
	<u>Dezhou</u>	3 A, B
	<u>Haiyang</u>	4
	<u>Heze/Caozhou</u>	3 A, B
	<u>Huimin</u>	4
	<u>Jinan/Sinan</u>	3 A, B
	<u>Linyi</u>	4
	<u>Longkou</u>	4
	<u>Qingdao/Singtao</u>	4
	<u>Rizhao</u>	4
	<u>Tai Shan (Mtns)</u>	6
	<u>Weifang</u>	4

TABLE B3 International Climate Zones (Continued)

Country	City (Province or Region)	Zone
	Xinxian	4
	Yanzhou	4
	Yiyuan/Nanma	4
	Shanxi	
	Datong	6
	Hequ	6
	Jiexiu	5
	Lishi	5
	Taiyuan/Wusu/Wusu	5
	Wutai Shan (Mtn)	8
	Yangcheng	4
	Yuanping	5
	Yuncheng	3 A, B
	Yushe	5
	Shanghai	
	Shanghai	3 A, B
	Shanghai/Hongqiao	3 A, B
	Sichuan	
	Barkam	5
	Batang	3C
	Chengdu	3 A, B
	Da Xian	3 A, B
	Daocheng/Dabba	6
	Dawu	5
	Emei Shan	7
	Fengjie	3 A, B
	Garze	6
	Jiulong/Gyaisi	5
	Kangding/Dardo	5
	Langzhong	3 A, B
	Liangping	3 A, B
	Litang	7
	Luzhou	3 A, B
	Mianyang	3 A, B
	Nanchong	3 A, B
	Neijiang	3 A, B
	Pingwu	3 C
	Songpan/Sungqu	6
	Wanyuan	3 C
	Xichang	3 A, B
	Ya'An	3 A, B
	Yibin	3 A, B
	Youyang	3 C
	Tianjin	
	Tianjin/Tientsin	4
	Tibet	
	Baigoin	7
	Dengqen	7
	Lhasa	5
	Lhunze	6
	Nagqu	7
	Nyingchi	5
	Pagri	7
	Qamdo	5
	Shiquanhe	7

TABLE B3 International Climate Zones (Continued)

Country	City (Province or Region)	Zone
	Sog Xian	7
	Tingri/Xegar	7
	Xainza	7
	Xigaze	6
	Xinjiang	
	Akqi	6
	Alar	5
	Altay	7
	Andir	5
	Bachu	5
	Balguntay	6
	Bayanbulak	8
	Baytik Shan (Mtns)	7
	Fuyun	7
	Hami	5
	Hoboksar	7
	Hotan	4
	Jinghe	6
	Kaba He	7
	Karamay	6
	Kashi	5
	Korla	5
	Kuqa	5
	Mangnai	7
	Pishan	4
	Qijiaoqing	5
	Qitai	6
	Ruoqiang	5
	Shache	5
	Tacheng	6
	Tikanlik	5
	Turpan	3 A, B
	Urumqi	6
	Yining	5
	Yiwu/Araturuk	7
	Yunnan	
	Baoshan	3 C
	Chuxiong	3 C
	Dali	3 C
	Deqen	6
	Guangnan	3 A, B
	Huili	3 C
	Huize	3 C
	Jiangcheng	2
	Jinghong	1
	Kunming/Wujiaba	3 C
	Lancang/Menglangba	2
	Lijiang	3 C
	Lincang	3 A, B
	Luxi	3 C
	Mengding	2
	Mengla	2
	Mengzi	2
	Ruili	2
	Simao	3 A, B

TABLE B3 International Climate Zones (Continued)

Country	City (Province or Region)	Zone
	<u>Tengchong</u>	3 C
	<u>Yuanjiang</u>	1
	<u>Yuanmou</u>	2
	<u>Zhanyi</u>	3 C
	<u>Zhaotong</u>	4
	<u>Zhejiang</u>	
	<u>Dachen Island</u>	3 A, B
	<u>Dinghai</u>	3 A, B
	<u>Hangzhou/Jianqiao</u>	3 A, B
	<u>Kuocang Shan</u>	5
	<u>Lishui</u>	3 A, B
	<u>Qixian Shan</u>	4
	<u>Qu Xian</u>	3 A, B
	<u>Shengsi/Caiyuanzhen</u>	3 A, B
	<u>Shengxian</u>	3 A, B
	<u>Shipu</u>	3 A, B
	<u>Taishan</u>	3 A, B
	<u>Tianmu Shan (Mtns)</u>	5
	<u>Wenzhou</u>	3 A, B
Mexico		
	<u>Mexico City (Distrito Federal)</u>	3
	<u>Distrito Federal</u>	
	<u>Mexico City</u>	3 A, B
	<u>Guadalajara (Jalisco)</u>	4
	<u>Jalisco</u>	
	<u>Guadalajara</u>	3 A, B
	<u>Monterrey (Nuevo Laredo)</u>	3
	<u>Nuevo Laredo</u>	
	<u>Monterrey</u>	2
	<u>Tampico (Tamaulipas)</u>	4
	<u>Tamaulipas</u>	
	<u>Tampico</u>	1
	<u>Veracruz (Veracruz)</u>	4
	<u>Veracruz</u>	
	<u>Veracruz</u>	1
	<u>Merida (Yucatan)</u>	4
	<u>Yucatan</u>	
	<u>Merida</u>	1

TABLE B3 International Climate Zones (Continued)

Country	City (Province or Region)	Zone
Taiwan		
	<u>Alisan Shan</u>	4
	<u>Chiayi (TW-AFB)</u>	2
	<u>Chiayyi</u>	1
	<u>Chilung</u>	2
	<u>Chinmen</u>	2
	<u>Dawu</u>	1
	<u>Hengchun</u>	1
	<u>Hengchun/Wu Lu Tien</u>	1
	<u>Hsinchu/Singjo</u>	2
	<u>Hua Lien</u>	2
	<u>Hwalien</u>	1
	<u>Joyutang</u>	2
	<u>Kao Hsiung Intl. Arpt.</u>	1
	<u>Kao Hsiung</u>	1
	<u>Kungkuan</u>	2
	<u>Kungshan</u>	1
	<u>Lan Yu</u>	2
	<u>Makung</u>	2
	<u>Matsu Island</u>	3 A, B
	<u>North Pingtung</u>	1
	<u>Peng Hu</u>	1
	<u>Penkaiyu</u>	2
	<u>Sing Jo</u>	2
	<u>Sinkung</u>	1
	<u>South Pingtung</u>	1
	<u>Taichung</u>	2
	<u>Taichung/Shui Nan</u>	2
	<u>Tainan (TW-AFB)</u>	1
	<u>Tainan</u>	1
	<u>Taipei</u>	2
	<u>Taipei/Chiang Kai Shek</u>	2
	<u>Taipei/Sungshan</u>	2
	<u>Taitung</u>	1
	<u>Taitung/Fongyentsun</u>	1
	<u>Taoyuan (AB)</u>	2
	<u>Tung Shih</u>	1
	<u>Wu-Chi</u>	2
	<u>Yilan</u>	2

[Change Table C1 as shown below. Insert the data for Washington DC Reagan National AP under Virginia prior to the entry for Winchester. Insert the data for US Minor Outlying Islands after Wyoming.]

TABLE C1 US Climatic Data

State City	Latitude		Longitude		I-P			No. Hrs. 8 a.m.–4 p.m. 55 < DB < 69°F 13 < DB < 21°C	SI		
					Elev. (ft)	HDD 65°F	CDD 50°F		Elev. (m)	HDD 18°C	CDD 10°C
Virginia <u>Washington DC Reagan National AP</u>	<u>38.85</u>	<u>N</u>	<u>77.03</u>	<u>W</u>	<u>66</u>	<u>4,047</u>	<u>4,391</u>	<u>657</u>	<u>20</u>	<u>2,248</u>	<u>2,439</u>
US Minor Outlying Islands											
<u>Midway Island NAS</u>	<u>28.22</u>	<u>N</u>	<u>177.37</u>	<u>W</u>	<u>13</u>	<u>134</u>	<u>8,323</u>	<u>N.A.</u>	<u>4</u>	<u>74</u>	<u>4,624</u>
<u>Wake Island</u>	<u>19.28</u>	<u>N</u>	<u>166.65</u>	<u>E</u>	<u>12</u>	<u>0</u>	<u>11,097</u>	<u>N.A.</u>	<u>4</u>	<u>0</u>	<u>6,165</u>

[Change Table C3 as follows: insert the data for new locations in China, modifying the data for Shanghai/Hongqiao as shown. Insert the data for Anderson AFB, Guam, between Greenland and Hungary. Insert the data for Kwajalein, Marshall Islands, between Malaysia and Mexico. Modify the data for locations in Mexico as shown. Insert the data for Angeles, Clark AFB, Philippines, under the Philippines prior to the entry for Manila. Insert the data for Pago Pago, Samoa, between Russia and Saudi Arabia. Insert the data for new locations in Taiwan. Note that the data for Tainan (TW-AFB) and Taipei do not change.]

TABLE C3 International Climatic Data

Country City	Province or Region (where shown)	Latitude		Longitude		I-P			SI		
						Elev. (ft)	HDD 65°F	CDD 50°F	Elev. (m)	HDD 18°C	CDD 10°C
China											
<u>Anqing</u>	<u>Anhui</u>	<u>30.53</u>	<u>N</u>	<u>117.05</u>	<u>E</u>	<u>66</u>	<u>3,093</u>	<u>5,476</u>	<u>20</u>	<u>1,718</u>	<u>3,042</u>
<u>Bengbu</u>	<u>Anhui</u>	<u>32.95</u>	<u>N</u>	<u>117.37</u>	<u>E</u>	<u>72</u>	<u>3,644</u>	<u>5,053</u>	<u>22</u>	<u>2,025</u>	<u>2,807</u>
<u>Fuyang</u>	<u>Anhui</u>	<u>32.93</u>	<u>N</u>	<u>115.83</u>	<u>E</u>	<u>128</u>	<u>3,639</u>	<u>5,004</u>	<u>39</u>	<u>2,022</u>	<u>2,780</u>
<u>Hefei/Luogang</u>	<u>Anhui</u>	<u>31.87</u>	<u>N</u>	<u>117.23</u>	<u>E</u>	<u>118</u>	<u>3,468</u>	<u>5,110</u>	<u>36</u>	<u>1,926</u>	<u>2,839</u>
<u>Huang Shan (Mtns)</u>	<u>Anhui</u>	<u>30.13</u>	<u>N</u>	<u>118.15</u>	<u>E</u>	<u>6,024</u>	<u>6,723</u>	<u>1,647</u>	<u>1,836</u>	<u>3,735</u>	<u>915</u>
<u>Huoshan</u>	<u>Anhui</u>	<u>31.40</u>	<u>N</u>	<u>116.33</u>	<u>E</u>	<u>223</u>	<u>3,516</u>	<u>4,907</u>	<u>68</u>	<u>1,953</u>	<u>2,726</u>
<u>Beijing/Peking</u>	<u>Beijing</u>	<u>39.93</u>	<u>N</u>	<u>116.28</u>	<u>E</u>	<u>180</u>	<u>5,252</u>	<u>4,115</u>	<u>55</u>	<u>2,918</u>	<u>2,286</u>
<u>Changting</u>	<u>Fujian</u>	<u>25.85</u>	<u>N</u>	<u>116.37</u>	<u>E</u>	<u>1,020</u>	<u>1,902</u>	<u>6,289</u>	<u>311</u>	<u>1,057</u>	<u>3,494</u>
<u>Fuding</u>	<u>Fujian</u>	<u>27.33</u>	<u>N</u>	<u>120.20</u>	<u>E</u>	<u>125</u>	<u>1,868</u>	<u>6,277</u>	<u>38</u>	<u>1,038</u>	<u>3,487</u>
<u>Fuzhou</u>	<u>Fujian</u>	<u>26.08</u>	<u>N</u>	<u>119.28</u>	<u>E</u>	<u>279</u>	<u>1,396</u>	<u>7,047</u>	<u>85</u>	<u>775</u>	<u>3,915</u>
<u>Jiuxian Shan</u>	<u>Fujian</u>	<u>25.72</u>	<u>N</u>	<u>118.10</u>	<u>E</u>	<u>5,417</u>	<u>3,923</u>	<u>2,763</u>	<u>1,651</u>	<u>2,180</u>	<u>1,535</u>
<u>Longyan</u>	<u>Fujian</u>	<u>25.10</u>	<u>N</u>	<u>117.02</u>	<u>E</u>	<u>1,119</u>	<u>1,120</u>	<u>7,248</u>	<u>341</u>	<u>622</u>	<u>4,027</u>
<u>Nanping</u>	<u>Fujian</u>	<u>26.65</u>	<u>N</u>	<u>118.17</u>	<u>E</u>	<u>420</u>	<u>1,551</u>	<u>6,986</u>	<u>128</u>	<u>861</u>	<u>3,881</u>
<u>Pingtan</u>	<u>Fujian</u>	<u>25.52</u>	<u>N</u>	<u>119.78</u>	<u>E</u>	<u>102</u>	<u>1,478</u>	<u>6,550</u>	<u>31</u>	<u>821</u>	<u>3,639</u>
<u>Pucheng</u>	<u>Fujian</u>	<u>27.92</u>	<u>N</u>	<u>118.53</u>	<u>E</u>	<u>902</u>	<u>2,325</u>	<u>5,940</u>	<u>275</u>	<u>1,292</u>	<u>3,300</u>
<u>Shaowu</u>	<u>Fujian</u>	<u>27.33</u>	<u>N</u>	<u>117.43</u>	<u>E</u>	<u>630</u>	<u>2,075</u>	<u>6,232</u>	<u>192</u>	<u>1,153</u>	<u>3,462</u>
<u>Xiamen</u>	<u>Fujian</u>	<u>24.48</u>	<u>N</u>	<u>118.08</u>	<u>E</u>	<u>456</u>	<u>1,014</u>	<u>7,326</u>	<u>139</u>	<u>563</u>	<u>4,070</u>
<u>Yong'An</u>	<u>Fujian</u>	<u>25.97</u>	<u>N</u>	<u>117.35</u>	<u>E</u>	<u>669</u>	<u>1,570</u>	<u>6,917</u>	<u>204</u>	<u>872</u>	<u>3,843</u>
<u>Dunhuang</u>	<u>Gansu</u>	<u>40.15</u>	<u>N</u>	<u>94.68</u>	<u>E</u>	<u>3,740</u>	<u>6,531</u>	<u>3,272</u>	<u>1,140</u>	<u>3,629</u>	<u>1,818</u>
<u>Hezuo</u>	<u>Gansu</u>	<u>35.00</u>	<u>N</u>	<u>102.90</u>	<u>E</u>	<u>9,547</u>	<u>9,760</u>	<u>491</u>	<u>2,910</u>	<u>5,422</u>	<u>273</u>
<u>Huajialing</u>	<u>Gansu</u>	<u>35.38</u>	<u>N</u>	<u>105.00</u>	<u>E</u>	<u>8,038</u>	<u>9,275</u>	<u>871</u>	<u>2,450</u>	<u>5,153</u>	<u>484</u>

TABLE C3 International Climatic Data (Continued)

Country	Province or Region (where shown)	Latitude		Longitude		I-P			SI		
						Elev. (ft)	HDD 65°F	CDD 50°F	Elev. (m)	HDD 18°C	CDD 10°C
City											
Jiuquan/Suzhou	Gansu	39.77	N	98.48	E	4,849	7,316	2,473	1,478	4,065	1,374
Lanzhou	Gansu	36.05	N	103.88	E	4,980	5,849	2,954	1,518	3,250	1,641
Mazong Shan (Mount)	Gansu	41.80	N	97.03	E	5,807	9,187	1,748	1,770	5,104	971
Minqin	Gansu	38.63	N	103.08	E	4,485	7,045	2,830	1,367	3,914	1,572
Pingliang	Gansu	35.55	N	106.67	E	4,423	6,248	2,407	1,348	3,471	1,337
Ruo'ergai	Gansu	33.58	N	102.97	E	11,289	10,826	232	3,441	6,014	129
Tianshui	Gansu	34.58	N	105.75	E	3,750	5,192	3,073	1,143	2,885	1,707
Wudu	Gansu	33.40	N	104.92	E	3,540	3,419	4,250	1,079	1,899	2,361
Wushaoling (Pass)	Gansu	37.20	N	102.87	E	9,987	11,697	263	3,044	6,499	146
Xifengzhen	Gansu	35.73	N	107.63	E	4,669	6,471	2,388	1,423	3,595	1,327
Yumenzhen	Gansu	40.27	N	97.03	E	5,010	7,614	2,367	1,527	4,230	1,315
Zhangye	Gansu	38.93	N	100.43	E	4,865	7,288	2,439	1,483	4,049	1,355
Fogang	Guangdong	23.87	N	113.53	E	223	1,063	7,709	68	590	4,283
Gaoyao	Guangdong	23.05	N	112.47	E	39	720	8,493	12	400	4,718
Guangzhou/Baiyun	Guangdong	23.13	N	113.32	E	26	737	8,352	8	409	4,640
Heyuan	Guangdong	23.73	N	114.68	E	135	902	8,079	41	501	4,488
Lian Xian	Guangdong	24.78	N	112.38	E	322	1,660	7,018	98	922	3,899
Lianping	Guangdong	24.37	N	114.48	E	702	1,301	7,189	214	723	3,994
Meixian	Guangdong	24.30	N	116.12	E	276	937	8,016	84	520	4,454
Shangchuan Island	Guangdong	21.73	N	112.77	E	59	514	8,621	18	285	4,789
Shantou	Guangdong	23.40	N	116.68	E	10	779	7,743	3	433	4,302
Shanwei	Guangdong	22.78	N	115.37	E	16	528	8,272	5	293	4,595
Shaoguan	Guangdong	24.80	N	113.58	E	223	1,370	7,565	68	761	4,203
Shenzhen	Guangdong	22.55	N	114.10	E	59	531	8,597	18	295	4,776
Xinyi	Guangdong	22.35	N	110.93	E	276	570	8,763	84	316	4,868
Yangjiang	Guangdong	21.87	N	111.97	E	72	547	8,470	22	304	4,705
Zhangjiang	Guangdong	21.22	N	110.40	E	92	423	9,002	28	235	5,001
Beihai	Guangxi	21.48	N	109.10	E	52	621	8,826	16	345	4,903
Bose	Guangxi	23.90	N	106.60	E	794	716	8,488	242	398	4,716
Guilin	Guangxi	25.33	N	110.30	E	545	1,971	6,549	166	1,095	3,638
Guiping	Guangxi	23.40	N	110.08	E	144	957	8,084	44	531	4,491
Hechi/Inchengjiang	Guangxi	24.70	N	108.05	E	702	1,229	7,489	214	683	4,161
Lingling	Guangxi	26.23	N	111.62	E	571	2,608	5,993	174	1,449	3,330
Liuzhou	Guangxi	24.35	N	109.40	E	318	1,370	7,604	97	761	4,225
Longzhou	Guangxi	22.37	N	106.75	E	423	681	8,596	129	378	4,776
Mengshan	Guangxi	24.20	N	110.52	E	476	1,485	7,125	145	825	3,958
Nanning/Wuxu	Guangxi	22.82	N	108.35	E	240	857	8,315	73	476	4,619
Napo	Guangxi	23.30	N	105.95	E	2,605	1,283	6,469	794	713	3,594
Qin Zhou	Guangxi	21.95	N	108.62	E	20	769	8,415	6	427	4,675
Wuzhou	Guangxi	23.48	N	111.30	E	394	1,074	7,934	120	597	4,408

TABLE C3 International Climatic Data (Continued)

Country	Province or Region (where shown)	Latitude		Longitude		I-P			SI		
						Elev. (ft)	HDD 65°F	CDD 50°F	Elev. (m)	HDD 18°C	CDD 10°C
City											
Bijie	Guizhou	27.30	N	105.23	E	4,957	3,837	3,496	1,511	2,132	1,942
Dushan	Guizhou	25.83	N	107.55	E	3,340	3,021	4,530	1,018	1,679	2,516
Guiyang	Guizhou	26.58	N	106.72	E	3,524	2,879	4,689	1,074	1,599	2,605
Luodian	Guizhou	25.43	N	106.77	E	1,447	1,351	7,066	441	751	3,926
Rongjiang/Guzhou	Guizhou	25.97	N	108.53	E	942	1,967	6,362	287	1,093	3,534
Sansui	Guizhou	26.97	N	108.67	E	2,005	3,322	4,659	611	1,846	2,588
Sinan	Guizhou	27.95	N	108.25	E	1,371	2,494	5,719	418	1,385	3,177
Weining	Guizhou	26.87	N	104.28	E	7,336	4,632	2,342	2,236	2,573	1,301
Xingren	Guizhou	25.43	N	105.18	E	4,524	2,595	4,527	1,379	1,441	2,515
Zunyi	Guizhou	27.70	N	106.88	E	2,772	3,091	4,673	845	1,717	2,596
Danxian/Nada	Hainan	19.52	N	109.58	E	554	245	9,606	169	136	5,337
Dongfang/Basuo	Hainan	19.10	N	108.62	E	26	107	10,168	8	59	5,649
Haikou	Hainan	20.03	N	110.35	E	49	211	9,659	15	117	5,366
Qionghai/Liaji	Hainan	19.23	N	110.47	E	82	133	9,882	25	74	5,490
Sanhu Island	Hainan	16.53	N	111.62	E	16	0	11,282	5	0	6,268
Xisha Island	Hainan	16.83	N	112.33	E	16	0	11,221	5	0	6,234
Yaxian/Sanya	Hainan	18.23	N	109.52	E	23	7	10,735	7	4	5,964
Baoding	Hebei	38.85	N	115.57	E	62	4,949	4,411	19	2,750	2,450
Cangzhou	Hebei	38.33	N	116.83	E	36	4,888	4,504	11	2,716	2,502
Chengde	Hebei	40.97	N	117.93	E	1,227	6,778	3,356	374	3,766	1,864
Fengning/Dagezhen	Hebei	41.22	N	116.63	E	2,169	7,891	2,574	661	4,384	1,430
Huailai/Shacheng	Hebei	40.40	N	115.50	E	1,765	6,490	3,403	538	3,605	1,891
Leting	Hebei	39.43	N	118.90	E	39	5,918	3,562	12	3,288	1,979
Qinglong	Hebei	40.40	N	118.95	E	748	6,611	3,261	228	3,673	1,812
Shijiazhuang	Hebei	38.03	N	114.42	E	266	4,695	4,469	81	2,608	2,483
Tangshan	Hebei	39.67	N	118.15	E	95	5,675	3,867	29	3,153	2,149
Weichang/Zhuizhishan	Hebei	41.93	N	117.75	E	2,769	8,600	2,201	844	4,778	1,223
Xingtai	Hebei	37.07	N	114.50	E	256	4,506	4,626	78	2,503	2,570
Yu Xian	Hebei	39.83	N	114.57	E	2,986	7,948	2,545	910	4,416	1,414
Zhangjiakou	Hebei	40.78	N	114.88	E	2,382	6,823	3,202	726	3,790	1,779
Aihui	Heilongjiang	50.25	N	127.45	E	545	11,840	1,840	166	6,578	1,022
Anda	Heilongjiang	46.38	N	125.32	E	492	10,066	2,482	150	5,592	1,379
Baoqing	Heilongjiang	46.32	N	132.18	E	272	9,731	2,379	83	5,406	1,322
Fujin	Heilongjiang	47.23	N	131.98	E	213	10,265	2,356	65	5,703	1,309
Hailun	Heilongjiang	47.43	N	126.97	E	787	11,017	2,137	240	6,121	1,187
Harbin	Heilongjiang	45.75	N	126.77	E	469	9,830	2,482	143	5,461	1,379
Hulin	Heilongjiang	45.77	N	132.97	E	338	9,977	2,228	103	5,543	1,238
Huma	Heilongjiang	51.72	N	126.65	E	587	12,658	1,760	179	7,032	978
Jixi	Heilongjiang	45.28	N	130.95	E	768	9,518	2,318	234	5,288	1,288
Keshan	Heilongjiang	48.05	N	125.88	E	778	11,108	2,123	237	6,171	1,180

TABLE C3 International Climatic Data (Continued)

Country	Province or Region (where shown)	Latitude		Longitude		I-P			SI		
						Elev. (ft)	HDD 65°F	CDD 50°F	Elev. (m)	HDD 18°C	CDD 10°C
City											
Mudanjiang	Heilongjiang	44.57	N	129.60	E	794	9,464	2,449	242	5,258	1,361
Qiqihar	Heilongjiang	47.38	N	123.92	E	486	9,924	2,514	148	5,513	1,397
Shangzhi	Heilongjiang	45.22	N	127.97	E	627	10,340	2,189	191	5,744	1,216
Suifenhe	Heilongjiang	44.38	N	131.15	E	1,634	10,219	1,714	498	5,677	952
Sunwu	Heilongjiang	49.43	N	127.35	E	771	12,334	1,585	235	6,852	880
Tailai	Heilongjiang	46.40	N	123.42	E	492	9,431	2,663	150	5,239	1,480
Tonghe	Heilongjiang	45.97	N	128.73	E	361	10,618	2,210	110	5,899	1,228
Yichun	Heilongjiang	47.72	N	128.90	E	761	11,239	1,965	232	6,244	1,091
Anyang/Zhangde	Henan	36.12	N	114.37	E	249	4,318	4,648	76	2,399	2,582
Boxian	Henan	33.88	N	115.77	E	138	4,006	4,755	42	2,226	2,642
Gushi	Henan	32.17	N	115.67	E	190	3,567	4,964	58	1,982	2,758
Lushi	Henan	34.05	N	111.03	E	1,870	4,572	3,865	570	2,540	2,147
Nanyang	Henan	33.03	N	112.58	E	430	3,779	4,750	131	2,099	2,639
Xihua	Henan	33.78	N	114.52	E	174	4,032	4,623	53	2,240	2,569
Xinyang	Henan	32.13	N	114.05	E	377	3,576	4,922	115	1,987	2,734
Zhengzhou	Henan	34.72	N	113.65	E	364	4,146	4,614	111	2,303	2,563
Zhumadian	Henan	33.00	N	114.02	E	272	3,885	4,718	83	2,159	2,621
Hong Kong Intl Arpt	Hong Kong Special Admin. Region	22.33	N	114.18	E	79	543	7,894	24	302	4,386
Fangxian	Hubei	32.03	N	110.77	E	1,427	3,688	4,483	435	2,049	2,491
Guanghua	Hubei	32.38	N	111.67	E	299	3,445	4,989	91	1,914	2,771
Jiangling/Jingzhou	Hubei	30.33	N	112.18	E	108	3,064	5,325	33	1,702	2,959
Macheng	Hubei	31.18	N	114.97	E	194	3,166	5,363	59	1,759	2,979
Wuhan/Nanhu	Hubei	30.62	N	114.13	E	75	3,140	5,433	23	1,744	3,018
Yichang	Hubei	30.70	N	111.30	E	440	2,812	5,476	134	1,562	3,042
Zaoyang	Hubei	32.15	N	112.67	E	417	3,463	5,034	127	1,924	2,797
Zhongxiang	Hubei	31.17	N	112.57	E	217	3,192	5,240	66	1,773	2,911
Changde	Hunan	29.05	N	111.68	E	115	2,896	5,520	35	1,609	3,067
Chenzhou	Hunan	25.80	N	113.03	E	607	2,496	6,255	185	1,387	3,475
Nanyue	Hunan	27.30	N	112.70	E	4,196	4,866	3,090	1,279	2,703	1,717
Sangzhi	Hunan	29.40	N	110.17	E	1,056	2,896	5,229	322	1,609	2,905
Shaoyang	Hunan	27.23	N	111.47	E	814	2,794	5,651	248	1,552	3,140
Tongdao/Shuangjiang	Hunan	26.17	N	109.78	E	1,302	2,706	5,440	397	1,503	3,022
Wugang	Hunan	26.73	N	110.63	E	1,115	2,854	5,424	340	1,585	3,013
Yuanling	Hunan	28.47	N	110.40	E	469	2,817	5,442	143	1,565	3,023
Yueyang	Hunan	29.38	N	113.08	E	171	2,870	5,681	52	1,594	3,156
Zhijiang	Hunan	27.45	N	109.68	E	896	2,857	5,385	273	1,587	2,992
Abag Qi/Xin Hot	Inner Mongolia	44.02	N	114.95	E	3,701	11,253	1,853	1,128	6,252	1,029
Arxan	Inner Mongolia	47.17	N	119.95	E	3,373	13,802	964	1,028	7,668	536

TABLE C3 International Climatic Data (Continued)

Country	Province or Region (where shown)	Latitude		Longitude		I-P			SI		
						Elev. (ft)	HDD 65°F	CDD 50°F	Elev. (m)	HDD 18°C	CDD 10°C
City											
Bailing-Miao	Inner Mongolia	41.70	N	110.43	E	4,518	9,399	2,005	1,377	5,222	1,114
Bayan Mod	Inner Mongolia	40.75	N	104.50	E	4,360	7,762	2,911	1,329	4,312	1,617
Bugt	Inner Mongolia	48.77	N	121.92	E	2,425	12,243	1,187	739	6,801	659
Bugt	Inner Mongolia	42.33	N	120.70	E	1,316	7,853	2,855	401	4,363	1,586
Chifeng/Ulanhad	Inner Mongolia	42.27	N	118.97	E	1,877	7,571	3,015	572	4,206	1,675
Dongsheng	Inner Mongolia	39.83	N	109.98	E	4,787	8,149	2,202	1,459	4,527	1,223
Duolun/Dolonnur	Inner Mongolia	42.18	N	116.47	E	4,091	10,403	1,547	1,247	5,779	859
Ejin Qi	Inner Mongolia	41.95	N	101.07	E	3,087	7,313	3,592	941	4,063	1,995
Erenhot	Inner Mongolia	43.65	N	112.00	E	3,169	9,870	2,442	966	5,483	1,356
Guaizihu	Inner Mongolia	41.37	N	102.37	E	3,150	7,189	3,769	960	3,994	2,094
Hailar	Inner Mongolia	49.22	N	119.75	E	2,005	12,730	1,604	611	7,072	891
Hails	Inner Mongolia	41.45	N	106.38	E	4,954	8,903	2,317	1,510	4,946	1,287
Haliut	Inner Mongolia	41.57	N	108.52	E	4,232	8,927	2,305	1,290	4,959	1,280
Hohhot	Inner Mongolia	40.82	N	111.68	E	3,494	8,022	2,509	1,065	4,457	1,394
Huade	Inner Mongolia	41.90	N	114.00	E	4,869	10,129	1,600	1,484	5,627	889
Jartai	Inner Mongolia	39.78	N	105.75	E	3,389	6,960	3,456	1,033	3,867	1,920
Jarud Qi/Lubei	Inner Mongolia	44.57	N	120.90	E	873	8,245	2,856	266	4,581	1,587
Jining	Inner Mongolia	41.03	N	113.07	E	4,646	9,276	1,709	1,416	5,154	950
Jurh	Inner Mongolia	42.40	N	112.90	E	3,780	9,067	2,401	1,152	5,037	1,334
Lindong/Bairin Zuoqi	Inner Mongolia	43.98	N	119.40	E	1,591	8,954	2,352	485	4,974	1,307
Linhe	Inner Mongolia	40.77	N	107.40	E	3,415	7,302	2,995	1,041	4,057	1,664
Linxi	Inner Mongolia	43.60	N	118.07	E	2,625	9,154	2,171	800	5,086	1,206
Mandal	Inner Mongolia	42.53	N	110.13	E	4,012	8,967	2,413	1,223	4,981	1,340
Naran Bulag	Inner Mongolia	44.62	N	114.15	E	3,881	11,695	1,655	1,183	6,497	920
Nenjiang	Inner Mongolia	49.17	N	125.23	E	797	11,980	1,880	243	6,656	1,044
Otog Qi/Ulan	Inner Mongolia	39.10	N	107.98	E	4,531	7,722	2,505	1,381	4,290	1,392
Tongliao	Inner Mongolia	43.60	N	122.27	E	591	8,319	2,951	180	4,621	1,639
Tulihe	Inner Mongolia	50.45	N	121.70	E	2,405	14,791	902	733	8,217	501
Uliastai	Inner Mongolia	45.52	N	116.97	E	2,756	11,342	1,892	840	6,301	1,051
Xi Ujimqin Qi	Inner Mongolia	44.58	N	117.60	E	3,271	11,137	1,656	997	6,187	920
Xilin Hot/Abagnar	Inner Mongolia	43.95	N	116.07	E	3,251	10,480	2,051	991	5,822	1,139
Xin Barag Youqi	Inner Mongolia	48.67	N	116.82	E	1,824	11,562	1,945	556	6,423	1,080
Dongtai	Jiangsu	32.87	N	120.32	E	16	3,813	4,612	5	2,118	2,562
Ganyu/Dayishan	Jiangsu	34.83	N	119.13	E	33	4,412	4,255	10	2,451	2,364
Liyang	Jiangsu	31.43	N	119.48	E	26	3,517	4,909	8	1,954	2,727
Lusi	Jiangsu	32.07	N	121.60	E	33	3,613	4,572	10	2,007	2,540
Qingjiang	Jiangsu	33.60	N	119.03	E	62	4,018	4,561	19	2,232	2,534
Shenyang/Hede	Jiangsu	33.77	N	120.25	E	23	4,099	4,370	7	2,277	2,428
Xuzhou	Jiangsu	34.28	N	117.15	E	138	4,081	4,695	42	2,267	2,609
Ganzhou	Jiangxi	25.85	N	114.95	E	410	1,924	6,919	125	1,069	3,844

TABLE C3 International Climatic Data (Continued)

Country	Province or Region (where shown)	Latitude		Longitude		I-P			SI		
						Elev. (ft)	HDD 65°F	CDD 50°F	Elev. (m)	HDD 18°C	CDD 10°C
City											
Guangchang	Jiangxi	26.85	N	116.33	E	466	2,289	6,373	142	1,272	3,540
Ji'An	Jiangxi	27.12	N	114.97	E	256	2,378	6,378	78	1,321	3,543
Jingdezhen	Jiangxi	29.30	N	117.20	E	197	2,620	5,889	60	1,456	3,272
Lu Shan (Mountain)	Jiangxi	29.58	N	115.98	E	3,822	4,773	3,240	1,165	2,652	1,800
Nanchang	Jiangxi	28.60	N	115.92	E	164	2,685	5,976	50	1,492	3,320
Nancheng	Jiangxi	27.58	N	116.65	E	269	2,509	6,120	82	1,394	3,400
Xiushui	Jiangxi	29.03	N	114.58	E	482	2,853	5,582	147	1,585	3,101
Xunwu	Jiangxi	24.95	N	115.65	E	981	1,658	6,685	299	921	3,714
Yichun	Jiangxi	27.80	N	114.38	E	423	2,717	5,726	129	1,509	3,181
Changbai	Jilin	41.35	N	128.17	E	3,340	10,452	1,502	1,018	5,807	834
Changchun	Jilin	43.90	N	125.22	E	781	8,844	2,708	238	4,914	1,504
Changling	Jilin	44.25	N	123.97	E	623	8,939	2,725	190	4,966	1,514
Dunhua	Jilin	43.37	N	128.20	E	1,726	9,923	1,891	526	5,513	1,050
Huadian	Jilin	42.98	N	126.75	E	866	9,326	2,484	264	5,181	1,380
Ji'An	Jilin	41.10	N	126.15	E	587	7,612	2,944	179	4,229	1,635
Linjiang	Jilin	41.72	N	126.92	E	1,093	8,645	2,573	333	4,803	1,429
Qian Gorlos	Jilin	45.12	N	124.83	E	453	9,062	2,770	138	5,034	1,539
Yanji	Jilin	42.88	N	129.47	E	584	8,680	2,396	178	4,822	1,331
Chaoyang	Liaoning	41.55	N	120.45	E	577	7,072	3,397	176	3,929	1,887
Dalian/Dairen/Luda	Liaoning	38.90	N	121.63	E	318	5,648	3,441	97	3,138	1,912
Dandong	Liaoning	40.05	N	124.33	E	46	6,642	3,014	14	3,690	1,674
Haiyang Island	Liaoning	39.05	N	123.22	E	33	5,475	3,341	10	3,041	1,856
Jinzhou	Liaoning	41.13	N	121.12	E	230	6,598	3,397	70	3,665	1,887
Kuandian	Liaoning	40.72	N	124.78	E	856	7,744	2,667	261	4,302	1,482
Qingyuan	Liaoning	42.10	N	124.95	E	771	8,373	2,749	235	4,652	1,527
Shenyang/Dongta	Liaoning	41.77	N	123.43	E	141	7,218	3,325	43	4,010	1,847
Siping	Liaoning	43.18	N	124.33	E	541	8,240	2,898	165	4,578	1,610
Yingkou	Liaoning	40.67	N	122.20	E	13	6,765	3,403	4	3,758	1,891
Zhangwu	Liaoning	42.42	N	122.53	E	276	7,754	3,060	84	4,308	1,700
Yanchi	Ningxia	37.78	N	107.40	E	4,426	6,914	2,774	1,349	3,841	1,541
Yinchuan	Ningxia	38.48	N	106.22	E	3,648	6,617	2,979	1,112	3,676	1,655
Zhongning	Ningxia	37.48	N	105.67	E	3,888	6,217	3,070	1,185	3,454	1,705
Daqaidam	Qinghai	37.85	N	95.37	E	10,413	10,776	734	3,174	5,986	408
Darlag	Qinghai	33.75	N	99.65	E	13,018	12,136	100	3,968	6,742	56
Delingha	Qinghai	37.37	N	97.37	E	9,783	9,185	1,170	2,982	5,103	650
Dulan/Qagan Us	Qinghai	36.30	N	98.10	E	10,472	9,668	770	3,192	5,371	428
Gangca/Shaliuhe	Qinghai	37.33	N	100.13	E	10,830	11,792	174	3,301	6,551	97
Golmud	Qinghai	36.42	N	94.90	E	9,216	8,414	1,442	2,809	4,674	801
Henan	Qinghai	34.73	N	101.60	E	11,483	11,607	155	3,500	6,448	86
Lenghu	Qinghai	38.83	N	93.38	E	8,970	10,060	1,142	2,734	5,589	634

TABLE C3 International Climatic Data (Continued)

Country	Province or Region (where shown)	Latitude		Longitude		I-P			SI		
						Elev. (ft)	HDD 65°F	CDD 50°F	Elev. (m)	HDD 18°C	CDD 10°C
City											
Madoi/Huangheyan	Qinghai	34.92	N	98.22	E	14,019	14,135	31	4,273	7,853	17
Qumarleb	Qinghai	34.13	N	95.78	E	13,701	13,175	67	4,176	7,320	37
Tongde	Qinghai	35.27	N	100.65	E	10,794	11,220	288	3,290	6,233	160
Tuotuohe/Tanggulash	Qinghai	34.22	N	92.43	E	14,879	14,505	21	4,535	8,058	12
Wudaoliang	Qinghai	35.22	N	93.08	E	15,135	15,114	8	4,613	8,397	5
Xining	Qinghai	36.62	N	101.77	E	7,421	7,417	1,620	2,262	4,121	900
Yushu	Qinghai	33.02	N	97.02	E	12,080	9,354	550	3,682	5,197	306
Zadoi	Qinghai	32.90	N	95.30	E	13,346	11,257	218	4,068	6,254	121
Ankang/Xing'an	Shaanxi	32.72	N	109.03	E	955	3,242	4,920	291	1,801	2,733
Baoji	Shaanxi	34.35	N	107.13	E	2,001	4,345	3,985	610	2,414	2,214
Hanzhong	Shaanxi	33.07	N	107.03	E	1,670	3,676	4,253	509	2,042	2,363
Hua Shan (Mount)	Shaanxi	34.48	N	110.08	E	6,768	7,893	1,516	2,063	4,385	842
Tongchuan	Shaanxi	35.17	N	109.05	E	2,999	5,470	3,117	914	3,039	1,732
Xi'An	Shaanxi	34.30	N	108.93	E	1,306	4,332	4,276	398	2,407	2,376
Yan An	Shaanxi	36.60	N	109.50	E	3,146	5,872	3,132	959	3,262	1,740
Yulin	Shaanxi	38.23	N	109.70	E	3,471	7,039	2,834	1,058	3,911	1,574
Chengshantou (Cape)	Shandong	37.40	N	122.68	E	154	5,125	3,151	47	2,847	1,751
Dezhou	Shandong	37.43	N	116.32	E	72	4,643	4,591	22	2,579	2,551
Haiyang	Shandong	36.77	N	121.17	E	210	4,943	3,742	64	2,746	2,079
Heze/Caozhou	Shandong	35.25	N	115.43	E	167	4,280	4,627	51	2,378	2,571
Huimin	Shandong	37.50	N	117.53	E	39	5,009	4,270	12	2,783	2,372
Jinan/Sinan	Shandong	36.68	N	116.98	E	190	4,161	5,036	58	2,312	2,798
Linyi	Shandong	35.05	N	118.35	E	282	4,388	4,395	86	2,438	2,442
Longkou	Shandong	37.62	N	120.32	E	16	5,167	3,822	5	2,871	2,124
Quingdao/Singtao	Shandong	36.07	N	120.33	E	253	4,651	3,872	77	2,584	2,151
Rizhao	Shandong	35.38	N	119.53	E	49	4,595	3,926	15	2,553	2,181
Tai Shan (Mtns)	Shandong	36.25	N	117.10	E	5,039	8,288	1,537	1,536	4,605	854
Weifang	Shandong	36.70	N	119.08	E	167	4,816	4,315	51	2,676	2,397
Xinxian	Shandong	36.03	N	115.58	E	154	4,619	4,426	47	2,566	2,459
Yanzhou	Shandong	35.57	N	116.85	E	174	4,526	4,412	53	2,515	2,451
Yiyuan/Nanma	Shandong	36.18	N	118.15	E	991	5,093	3,949	302	2,830	2,194
Shanghai	Shanghai	31.40	N	121.47	E	13	3,182	5,124	4	1,768	2,847
Shanghai/Hongqiao	Shanghai	31.17	N	121.43	E	46	3,182	5,124	5	1,768	2,847
						23	3,184	5,127	7	1,769	2,848
Datong	Shanxi	40.10	N	113.33	E	3,507	7,877	2,512	1,069	4,376	1,396
Hequ	Shanxi	39.38	N	111.15	E	2,825	7,336	2,879	861	4,075	1,600
Jiexiu	Shanxi	37.05	N	111.93	E	2,461	5,700	3,285	750	3,166	1,825
Lishi	Shanxi	37.50	N	111.10	E	3,120	6,542	2,959	951	3,634	1,644
Taiyuan/Wusu/Wusu	Shanxi	37.78	N	112.55	E	2,556	6,066	3,132	779	3,370	1,740
Wutai Shan (Mtn)	Shanxi	39.03	N	113.53	E	9,508	14,214	100	2,898	7,897	56

TABLE C3 International Climatic Data (Continued)

Country	Province or Region (where shown)	Latitude		Longitude		I-P			SI		
						Elev. (ft)	HDD 65°F	CDD 50°F	Elev. (m)	HDD 18°C	CDD 10°C
City											
Yangcheng	Shanxi	35.48	N	112.40	E	2,162	5,057	3,714	659	2,809	2,063
Yuanping	Shanxi	38.75	N	112.70	E	2,749	6,705	2,943	838	3,725	1,635
Yuncheng	Shanxi	35.03	N	111.02	E	1,234	4,433	4,553	376	2,463	2,529
Yushe	Shanxi	37.07	N	112.98	E	3,419	6,482	2,777	1,042	3,601	1,543
Barkam	Sichuan	31.90	N	102.23	E	8,747	5,419	1,882	2,666	3,011	1,046
Batang	Sichuan	30.00	N	99.10	E	8,494	3,599	3,267	2,589	2,000	1,815
Chengdu	Sichuan	30.67	N	104.02	E	1,667	2,708	4,843	508	1,505	2,691
Da Xian	Sichuan	31.20	N	107.50	E	1,020	2,498	5,455	311	1,388	3,030
Daocheng/Dabba	Sichuan	29.05	N	100.30	E	12,234	8,614	624	3,729	4,785	347
Dawu	Sichuan	30.98	N	101.12	E	9,708	6,110	1,639	2,959	3,394	911
Emei Shan	Sichuan	29.52	N	103.33	E	10,003	9,458	381	3,049	5,254	212
Fengjie	Sichuan	31.05	N	109.50	E	1,991	2,889	5,043	607	1,605	2,802
Garze	Sichuan	31.62	N	100.00	E	11,135	7,656	991	3,394	4,253	551
Jiulong/Gyaisi	Sichuan	29.00	N	101.50	E	9,823	5,505	1,568	2,994	3,058	871
Kangding/Dardo	Sichuan	30.05	N	101.97	E	8,586	6,870	1,224	2,617	3,817	680
Langzhong	Sichuan	31.58	N	105.97	E	1,263	2,553	5,192	385	1,418	2,884
Liangping	Sichuan	30.68	N	107.80	E	1,493	2,733	5,111	455	1,518	2,840
Litang	Sichuan	30.00	N	100.27	E	12,959	9,367	370	3,950	5,204	205
Luzhou	Sichuan	28.88	N	105.43	E	1,102	2,150	5,690	336	1,194	3,161
Mianyang	Sichuan	31.47	N	104.68	E	1,549	2,771	4,943	472	1,540	2,746
Nanchong	Sichuan	30.80	N	106.08	E	1,017	2,446	5,422	310	1,359	3,012
Neijiang	Sichuan	29.58	N	105.05	E	1,171	2,235	5,591	357	1,242	3,106
Pingwu	Sichuan	32.42	N	104.52	E	2,877	3,115	4,327	877	1,730	2,404
Songpan/Sungqu	Sichuan	32.65	N	103.57	E	9,357	7,329	1,094	2,852	4,072	608
Wanyuan	Sichuan	32.07	N	108.03	E	2,211	3,354	4,305	674	1,864	2,391
Xichang	Sichuan	27.90	N	102.27	E	5,246	1,736	5,211	1,599	965	2,895
Ya'An	Sichuan	29.98	N	103.00	E	2,064	2,584	4,962	629	1,435	2,756
Yibin	Sichuan	28.80	N	104.60	E	1,122	2,043	5,715	342	1,135	3,175
Youyang	Sichuan	28.83	N	108.77	E	2,182	3,311	4,486	665	1,839	2,492
Tianjin/Tientsin	Tianjin	39.10	N	117.17	E	16	4,948	4,450	5	2,749	2,472
Baigoin	Tibet	31.37	N	90.02	E	15,423	12,487	70	4,701	6,937	39
Dengqen	Tibet	31.42	N	95.60	E	12,710	9,327	508	3,874	5,182	282
Lhasa	Tibet	29.67	N	91.13	E	11,975	6,560	1,433	3,650	3,645	796
Lhunze	Tibet	28.42	N	92.47	E	12,667	7,949	864	3,861	4,416	480
Nagqu	Tibet	31.48	N	92.07	E	14,790	12,539	64	4,508	6,966	35
Nyingchi	Tibet	29.57	N	94.47	E	9,846	5,624	1,610	3,001	3,124	894
Pagri	Tibet	27.73	N	89.08	E	14,111	11,576	12	4,301	6,431	6
Qamdo	Tibet	31.15	N	97.17	E	10,850	6,550	1,533	3,307	3,639	852
Shiquanhe	Tibet	32.50	N	80.08	E	14,039	12,092	517	4,279	6,718	287
Sog Xian	Tibet	31.88	N	93.78	E	13,202	10,546	316	4,024	5,859	175

TABLE C3 International Climatic Data (Continued)

Country	Province or Region (where shown)	Latitude		Longitude		I-P			SI		
						Elev. (ft)	HDD 65°F	CDD 50°F	Elev. (m)	HDD 18°C	CDD 10°C
City											
Tingri/Xegar	Tibet	28.63	N	87.08	E	14,114	9,994	456	4,302	5,552	254
Xainza	Tibet	30.95	N	88.63	E	15,325	11,849	98	4,671	6,583	55
Xigaze	Tibet	29.25	N	88.88	E	12,589	7,635	1,064	3,837	4,242	591
Akqi	Xinjiang	40.93	N	78.45	E	6,516	7,653	2,055	1,986	4,251	1,142
Alar	Xinjiang	40.50	N	81.05	E	3,323	5,921	3,882	1,013	3,290	2,157
Altay	Xinjiang	47.73	N	88.08	E	2,418	9,426	2,390	737	5,236	1,328
Andir	Xinjiang	37.93	N	83.65	E	4,147	6,189	3,804	1,264	3,438	2,113
Bachu	Xinjiang	39.80	N	78.57	E	3,665	5,431	4,284	1,117	3,017	2,380
Balguntay	Xinjiang	42.67	N	86.33	E	5,751	7,609	1,963	1,753	4,227	1,091
Bayanbulak	Xinjiang	43.03	N	84.15	E	8,068	15,010	204	2,459	8,339	113
Baytik Shan (Mtns)	Xinjiang	45.37	N	90.53	E	5,417	10,272	1,357	1,651	5,707	754
Fuyun	Xinjiang	46.98	N	89.52	E	2,713	10,149	2,386	827	5,639	1,326
Hami	Xinjiang	42.82	N	93.52	E	2,425	6,518	3,926	739	3,621	2,181
Hoboksar	Xinjiang	46.78	N	85.72	E	4,245	9,445	1,739	1,294	5,247	966
Hotan	Xinjiang	37.13	N	79.93	E	4,511	5,069	4,215	1,375	2,816	2,341
Jinghe	Xinjiang	44.62	N	82.90	E	1,053	7,844	3,610	321	4,358	2,006
Kaba He	Xinjiang	48.05	N	86.35	E	1,752	9,156	2,491	534	5,086	1,384
Karamay	Xinjiang	45.60	N	84.85	E	1,404	7,867	4,225	428	4,370	2,347
Kashi	Xinjiang	39.47	N	75.98	E	4,236	5,421	3,784	1,291	3,011	2,102
Korla	Xinjiang	41.75	N	86.13	E	3,061	5,680	4,212	933	3,156	2,340
Kuqa	Xinjiang	41.72	N	82.95	E	3,609	5,703	3,945	1,100	3,169	2,192
Mangnai	Xinjiang	38.25	N	90.85	E	9,662	10,445	727	2,945	5,803	404
Pishan	Xinjiang	37.62	N	78.28	E	4,514	5,337	4,071	1,376	2,965	2,262
Qijiaoqing	Xinjiang	43.48	N	91.63	E	2,867	7,117	3,691	874	3,954	2,051
Qitai	Xinjiang	44.02	N	89.57	E	2,605	8,861	2,793	794	4,923	1,552
Ruoqiang	Xinjiang	39.03	N	88.17	E	2,917	5,751	4,280	889	3,195	2,378
Shache	Xinjiang	38.43	N	77.27	E	4,042	5,408	3,871	1,232	3,004	2,150
Tacheng	Xinjiang	46.73	N	83.00	E	1,755	7,772	2,834	535	4,318	1,575
Tikanlik	Xinjiang	40.63	N	87.70	E	2,779	6,093	4,132	847	3,385	2,296
Turpan	Xinjiang	42.93	N	89.20	E	121	5,256	6,038	37	2,920	3,355
Urumqi	Xinjiang	43.78	N	87.62	E	3,015	8,214	3,015	919	4,563	1,675
Yining	Xinjiang	43.95	N	81.33	E	2,175	6,617	3,085	663	3,676	1,714
Yiwu/Araturuk	Xinjiang	43.27	N	94.70	E	5,673	9,362	1,538	1,729	5,201	854
Baoshan	Yunnan	25.13	N	99.22	E	5,430	2,150	4,324	1,655	1,195	2,402
Chuxiong	Yunnan	25.02	N	101.53	E	5,817	2,102	4,413	1,773	1,168	2,452
Dali	Yunnan	25.70	N	100.18	E	6,535	2,398	3,815	1,992	1,332	2,119
Deqen	Yunnan	28.50	N	98.90	E	11,444	7,883	668	3,488	4,380	371
Guangnan	Yunnan	24.07	N	105.07	E	4,104	1,837	5,381	1,251	1,020	2,990
Huili	Yunnan	26.65	N	102.25	E	5,866	2,471	4,074	1,788	1,373	2,264
Huize	Yunnan	26.42	N	103.28	E	6,923	3,522	3,015	2,110	1,957	1,675

TABLE C3 International Climatic Data (Continued)

Country	Province or Region (where shown)	Latitude		Longitude		I-P			SI		
						Elev. (ft)	HDD 65°F	CDD 50°F	Elev. (m)	HDD 18°C	CDD 10°C
City											
Jiangcheng	Yunnan	22.62	N	101.82	E	3,678	757	6,438	1,121	421	3,577
Jinghong	Yunnan	22.02	N	100.80	E	1,814	92	9,106	553	51	5,059
Kunming/Wujiaba	Yunnan	25.02	N	102.68	E	6,207	2,461	3,766	1,892	1,367	2,092
Lancang/Menglangba	Yunnan	22.57	N	99.93	E	3,458	491	7,158	1,054	273	3,977
Lijing	Yunnan	26.83	N	100.47	E	7,854	3,389	2,818	2,394	1,883	1,565
Lincang	Yunnan	23.95	N	100.22	E	4,931	1,131	5,588	1,503	628	3,105
Luxi	Yunnan	24.53	N	103.77	E	5,604	2,254	4,341	1,708	1,252	2,412
Mengding	Yunnan	23.57	N	99.08	E	1,680	168	8,782	512	93	4,879
Mengla	Yunnan	21.50	N	101.58	E	2,077	133	8,686	633	74	4,825
Mengzi	Yunnan	23.38	N	103.38	E	4,272	947	6,397	1,302	526	3,554
Ruili	Yunnan	24.02	N	97.83	E	2,546	478	7,544	776	265	4,191
Simao	Yunnan	22.77	N	100.98	E	4,275	796	6,251	1,303	442	3,473
Tengchong	Yunnan	25.12	N	98.48	E	5,410	2,161	4,008	1,649	1,200	2,227
Yuanjiang	Yunnan	23.60	N	101.98	E	1,306	166	9,856	398	92	5,476
Yuanmou	Yunnan	25.73	N	101.87	E	3,675	503	8,165	1,120	279	4,536
Zhanyi	Yunnan	25.58	N	103.83	E	6,234	2,526	3,855	1,900	1,403	2,142
Zhaotong	Yunnan	27.33	N	103.75	E	6,398	4,062	2,977	1,950	2,257	1,654
Dachen Island	Zhejiang	28.45	N	121.88	E	276	2,708	4,966	84	1,505	2,759
Dinghai	Zhejiang	30.03	N	122.12	E	121	2,799	5,158	37	1,555	2,866
Hangzhou/Jianqiao	Zhejiang	30.23	N	120.17	E	141	3,069	5,353	43	1,705	2,974
Kuocang Shan	Zhejiang	28.82	N	120.92	E	4,498	5,430	2,585	1,371	3,017	1,436
Lishui	Zhejiang	28.45	N	119.92	E	203	2,311	6,205	62	1,284	3,447
Qixian Shan	Zhejiang	27.95	N	117.83	E	4,623	4,321	3,155	1,409	2,401	1,753
Qu Xian	Zhejiang	28.97	N	118.87	E	233	2,724	5,740	71	1,514	3,189
Shengsi/Caiyuanzhen	Zhejiang	30.73	N	122.45	E	266	2,955	4,905	81	1,642	2,725
Shengxian	Zhejiang	29.60	N	120.82	E	354	2,999	5,431	108	1,666	3,017
Shipu	Zhejiang	29.20	N	121.95	E	417	2,785	5,166	127	1,547	2,870
Taishan	Zhejiang	27.00	N	120.70	E	348	2,271	5,424	106	1,262	3,014
Tianmu Shan (Mtns)	Zhejiang	30.35	N	119.42	E	4,902	6,115	2,225	1,494	3,397	1,236
Wenzhou	Zhejiang	28.02	N	120.67	E	23	2,104	5,981	7	1,169	3,323
Guam											
Andersen AFB		13.58	N	144.93	E	361	0	10,690	185	0	5,939
Marshall Islands											
Kwajalein Missile Range		8.73	N	167.73	E	26	0	11,670	8	0	6,483
Mexico											
Mexico City	Distrito Federal	19.40	N	99.20	W	5,213 7,572	701 1,203	6,121 4,762	1,589 2,308	389 668	3,401 2,646
Guadalajara	Jalisco	20.67	N	103.38	W	30 5,213	40 701	11,122 6,121	9 1,589	6 389	6,179 3,401

TABLE C3 International Climatic Data (Continued)

Country	Province or Region (where shown)	Latitude		Longitude		I-P			SI		
						Elev. (ft)	HDD 65°F	CDD 50°F	Elev. (m)	HDD 18°C	CDD 10°C
City											
Monterrey	Nuevo Laredo	25.87	N	100.20	W	<u>6,368</u> <u>1,476</u>	<u>745</u> <u>844</u>	<u>5,542</u> <u>8,326</u>	<u>1,941</u> <u>450</u>	<u>414</u> <u>469</u>	<u>3,079</u> <u>4,626</u>
Tampico	Tamaulipas	22.22	N	97.85	W	<u>551</u> <u>39</u>	<u>0</u> <u>216</u>	<u>10,760</u> <u>9,870</u>	<u>168</u> <u>12</u>	<u>0</u> <u>120</u>	<u>5,978</u> <u>5,483</u>
Veracruz	Veracruz	19.15	N	96.12	W	<u>7,156</u> <u>52</u>	<u>2,198</u> <u>17</u>	<u>3,850</u> <u>10,006</u>	<u>2,181</u> <u>16</u>	<u>1,221</u> <u>9</u>	<u>2,139</u> <u>5,559</u>
Merida	Yucatan	20.98	N	89.65	W	<u>72</u> <u>30</u>	<u>1,191</u> <u>10</u>	<u>10,439</u> <u>11,122</u>	<u>22</u> <u>9</u>	<u>662</u> <u>6</u>	<u>5,799</u> <u>6,179</u>
Philippines											
	<u>Angeles, Clark AFB</u>	<u>15.18</u>	<u>N</u>	<u>120.55</u>	<u>E</u>	<u>475</u>	<u>0</u>	<u>11,280</u>	<u>196</u>	<u>0</u>	<u>6,267</u>
Samoa											
	<u>Pago Pago WSO Air- port</u>	<u>14.33</u>	<u>S</u>	<u>170.72</u>	<u>W</u>	<u>9</u>	<u>0</u>	<u>11,018</u>	<u>3</u>	<u>0</u>	<u>6,121</u>
Taiwan											
	<u>Alisan Shan</u>	<u>23.52</u>	<u>N</u>	<u>120.80</u>	<u>E</u>	<u>7,894</u>	<u>4,406</u>	<u>1,958</u>	<u>2,406</u>	<u>2,448</u>	<u>1,088</u>
	<u>Chiayi (TW-AFB)</u>	<u>23.50</u>	<u>N</u>	<u>120.42</u>	<u>E</u>	<u>92</u>	<u>318</u>	<u>8,926</u>	<u>28</u>	<u>177</u>	<u>4,959</u>
	<u>Chiayyi</u>	<u>23.47</u>	<u>N</u>	<u>120.38</u>	<u>E</u>	<u>82</u>	<u>275</u>	<u>9,288</u>	<u>25</u>	<u>153</u>	<u>5,160</u>
	<u>Chilung</u>	<u>25.13</u>	<u>N</u>	<u>121.75</u>	<u>E</u>	<u>10</u>	<u>472</u>	<u>8,554</u>	<u>3</u>	<u>262</u>	<u>4,752</u>
	<u>Chinmen</u>	<u>24.43</u>	<u>N</u>	<u>118.43</u>	<u>E</u>	<u>39</u>	<u>974</u>	<u>7,420</u>	<u>12</u>	<u>541</u>	<u>4,122</u>
	<u>Dawu</u>	<u>22.35</u>	<u>N</u>	<u>120.90</u>	<u>E</u>	<u>30</u>	<u>24</u>	<u>10,355</u>	<u>9</u>	<u>13</u>	<u>5,753</u>
	<u>Hengchun</u>	<u>22.00</u>	<u>N</u>	<u>120.75</u>	<u>E</u>	<u>79</u>	<u>23</u>	<u>10,120</u>	<u>24</u>	<u>13</u>	<u>5,622</u>
	<u>Hengchun/Wu Lu Tien</u>	<u>22.03</u>	<u>N</u>	<u>120.72</u>	<u>E</u>	<u>43</u>	<u>21</u>	<u>10,407</u>	<u>13</u>	<u>12</u>	<u>5,782</u>
	<u>Hsinchu/Singio</u>	<u>24.82</u>	<u>N</u>	<u>120.93</u>	<u>E</u>	<u>26</u>	<u>482</u>	<u>8,567</u>	<u>8</u>	<u>268</u>	<u>4,759</u>
	<u>Hua Lien</u>	<u>23.97</u>	<u>N</u>	<u>121.62</u>	<u>E</u>	<u>62</u>	<u>220</u>	<u>8,872</u>	<u>19</u>	<u>122</u>	<u>4,929</u>
	<u>Hwalien</u>	<u>24.02</u>	<u>N</u>	<u>121.62</u>	<u>E</u>	<u>49</u>	<u>221</u>	<u>9,043</u>	<u>15</u>	<u>123</u>	<u>5,024</u>
	<u>Joyutang</u>	<u>23.88</u>	<u>N</u>	<u>120.85</u>	<u>E</u>	<u>3,330</u>	<u>583</u>	<u>7,136</u>	<u>1,015</u>	<u>324</u>	<u>3,964</u>
	<u>Kao Hsiung Intl. Arpt.</u>	<u>22.57</u>	<u>N</u>	<u>120.35</u>	<u>E</u>	<u>26</u>	<u>111</u>	<u>9,702</u>	<u>8</u>	<u>62</u>	<u>5,390</u>
	<u>Kao Hsiung</u>	<u>22.62</u>	<u>N</u>	<u>120.27</u>	<u>E</u>	<u>95</u>	<u>70</u>	<u>9,940</u>	<u>29</u>	<u>39</u>	<u>5,522</u>
	<u>Kungkuan</u>	<u>24.27</u>	<u>N</u>	<u>120.62</u>	<u>E</u>	<u>666</u>	<u>541</u>	<u>8,306</u>	<u>203</u>	<u>300</u>	<u>4,614</u>
	<u>Kungshan</u>	<u>22.78</u>	<u>N</u>	<u>120.25</u>	<u>E</u>	<u>33</u>	<u>158</u>	<u>9,526</u>	<u>10</u>	<u>88</u>	<u>5,292</u>
	<u>Lan Yu</u>	<u>22.03</u>	<u>N</u>	<u>121.55</u>	<u>E</u>	<u>1,066</u>	<u>95</u>	<u>8,765</u>	<u>325</u>	<u>53</u>	<u>4,870</u>
	<u>Makung</u>	<u>23.57</u>	<u>N</u>	<u>119.62</u>	<u>E</u>	<u>102</u>	<u>283</u>	<u>8,957</u>	<u>31</u>	<u>157</u>	<u>4,976</u>
	<u>Matsu Island</u>	<u>26.17</u>	<u>N</u>	<u>119.93</u>	<u>E</u>	<u>302</u>	<u>1,948</u>	<u>5,898</u>	<u>92</u>	<u>1,082</u>	<u>3,277</u>
	<u>North Pingtung</u>	<u>22.70</u>	<u>N</u>	<u>120.47</u>	<u>E</u>	<u>95</u>	<u>88</u>	<u>10,049</u>	<u>29</u>	<u>49</u>	<u>5,583</u>
	<u>Peng Hu</u>	<u>23.52</u>	<u>N</u>	<u>119.57</u>	<u>E</u>	<u>69</u>	<u>287</u>	<u>9,068</u>	<u>21</u>	<u>159</u>	<u>5,038</u>
	<u>Penkaiyu</u>	<u>25.63</u>	<u>N</u>	<u>122.07</u>	<u>E</u>	<u>335</u>	<u>531</u>	<u>8,160</u>	<u>102</u>	<u>295</u>	<u>4,533</u>
	<u>Sing Jo</u>	<u>24.80</u>	<u>N</u>	<u>120.97</u>	<u>E</u>	<u>108</u>	<u>534</u>	<u>8,480</u>	<u>33</u>	<u>297</u>	<u>4,711</u>
	<u>Sinkung</u>	<u>23.10</u>	<u>N</u>	<u>121.37</u>	<u>E</u>	<u>121</u>	<u>88</u>	<u>9,601</u>	<u>37</u>	<u>49</u>	<u>5,334</u>
	<u>South Pingtung</u>	<u>22.67</u>	<u>N</u>	<u>120.45</u>	<u>E</u>	<u>79</u>	<u>71</u>	<u>10,228</u>	<u>24</u>	<u>39</u>	<u>5,682</u>
	<u>Taichung</u>	<u>24.15</u>	<u>N</u>	<u>120.68</u>	<u>E</u>	<u>256</u>	<u>312</u>	<u>8,991</u>	<u>78</u>	<u>173</u>	<u>4,995</u>
	<u>Taichung/Shui Nan</u>	<u>24.18</u>	<u>N</u>	<u>120.65</u>	<u>E</u>	<u>364</u>	<u>381</u>	<u>8,915</u>	<u>111</u>	<u>212</u>	<u>4,953</u>

TABLE C3 International Climatic Data (Continued)

Country	Province or Region (where shown)	Latitude		Longitude		I-P			SI		
						Elev. (ft)	HDD 65°F	CDD 50°F	Elev. (m)	HDD 18°C	CDD 10°C
City											
Tainan (TW-AFB)		22.95	N	120.20	E	52	150	9,729	16	83	5,405
<u>Tainan</u>		<u>23.00</u>	<u>N</u>	<u>120.22</u>	<u>E</u>	<u>46</u>	<u>178</u>	<u>9,577</u>	<u>14</u>	<u>99</u>	<u>5,320</u>
Taipei		25.03	N	121.52	E	26	438	8,896	8	243	4,942
<u>Taipei/Chiang Kai Shek</u>		<u>25.08</u>	<u>N</u>	<u>121.23</u>	<u>E</u>	<u>75</u>	<u>594</u>	<u>8,456</u>	<u>23</u>	<u>330</u>	<u>4,698</u>
<u>Taipei/Sungshan</u>		<u>25.07</u>	<u>N</u>	<u>121.53</u>	<u>E</u>	<u>20</u>	<u>506</u>	<u>8,454</u>	<u>6</u>	<u>281</u>	<u>4,697</u>
<u>Taitung</u>		<u>22.75</u>	<u>N</u>	<u>121.15</u>	<u>E</u>	<u>33</u>	<u>74</u>	<u>9,754</u>	<u>10</u>	<u>41</u>	<u>5,419</u>
<u>Taitung/Fongyentsun</u>		<u>22.80</u>	<u>N</u>	<u>121.18</u>	<u>E</u>	<u>121</u>	<u>72</u>	<u>9,767</u>	<u>37</u>	<u>40</u>	<u>5,426</u>
<u>Taoyuan (AB)</u>		<u>25.07</u>	<u>N</u>	<u>121.23</u>	<u>E</u>	<u>164</u>	<u>626</u>	<u>8,315</u>	<u>50</u>	<u>348</u>	<u>4,620</u>
<u>Tung Shih</u>		<u>23.27</u>	<u>N</u>	<u>119.67</u>	<u>E</u>	<u>148</u>	<u>191</u>	<u>9,217</u>	<u>45</u>	<u>106</u>	<u>5,120</u>
<u>Wu-Chi</u>		<u>24.25</u>	<u>N</u>	<u>120.52</u>	<u>E</u>	<u>16</u>	<u>405</u>	<u>8,691</u>	<u>5</u>	<u>225</u>	<u>4,828</u>
<u>Yilan</u>		<u>24.77</u>	<u>N</u>	<u>121.75</u>	<u>E</u>	<u>23</u>	<u>411</u>	<u>8,416</u>	<u>7</u>	<u>229</u>	<u>4,676</u>

**POLICY STATEMENT DEFINING ASHRAE'S CONCERN
FOR THE ENVIRONMENTAL IMPACT OF ITS ACTIVITIES**

ASHRAE is concerned with the impact of its members' activities on both the indoor and outdoor environment. ASHRAE's members will strive to minimize any possible deleterious effect on the indoor and outdoor environment of the systems and components in their responsibility while maximizing the beneficial effects these systems provide, consistent with accepted standards and the practical state of the art.

ASHRAE's short-range goal is to ensure that the systems and components within its scope do not impact the indoor and outdoor environment to a greater extent than specified by the standards and guidelines as established by itself and other responsible bodies.

As an ongoing goal, ASHRAE will, through its Standards Committee and extensive technical committee structure, continue to generate up-to-date standards and guidelines where appropriate and adopt, recommend, and promote those new and revised standards developed by other responsible organizations.

Through its *Handbook*, appropriate chapters will contain up-to-date standards and design considerations as the material is systematically revised.

ASHRAE will take the lead with respect to dissemination of environmental information of its primary interest and will seek out and disseminate information from other responsible organizations that is pertinent, as guides to updating standards and guidelines.

The effects of the design and selection of equipment and systems will be considered within the scope of the system's intended use and expected misuse. The disposal of hazardous materials, if any, will also be considered.

ASHRAE's primary concern for environmental impact will be at the site where equipment within ASHRAE's scope operates. However, energy source selection and the possible environmental impact due to the energy source and energy transportation will be considered where possible. Recommendations concerning energy source selection should be made by its members.