



FIGURE 5.6 OAG TIME CALCULATOR

2003

International time calculator

A	Hours ±GMT	DST ±GMT	Daylight saving time DST (period)
Afghanistan	+4.30		
Albania	+1	+2	27 Mar 11 - 30 Oct 11
Algeria	+1		
American Samoa	-11		
Andorra	+1	+2	27 Mar 11 - 30 Oct 11
Angola	+1		
Anguilla, Leeward Islands	-4		
Antarctica	-4		
Antigua and Barbuda, Leeward Islands	-4		
Argentina	-3		
Armenia	+4	+5	27 Mar 11 - 30 Oct 11
Aruba	-4		
Australia**			
Lord Howe Island	+10.30	+11	02 Oct 11 - 01 Apr 12
Capital Territory, NSW (excluding Lord Howe Island and Broken Hill), Victoria	+10	+11	02 Oct 11 - 01 Apr 12
Northern Territory	+9.30		
Queensland	+10		
South Australia, Broken Hill	+9.30	+10.30	02 Oct 11 - 01 Apr 12
Western Australia	+8		
Tasmania	+10	+11	02 Oct 11 - 01 Apr 12
Austria	+1	+2	27 Mar 11 - 30 Oct 11
Azerbaijan	+4	+5	27 Mar 11 - 30 Oct 11
B			
Bahamas	-5	-4	13 Mar 11 - 06 Nov 11
Bahrain	+3		
Bangladesh	+6		
Barbados	-4		
Belarus	+2	+3	27 Mar 11 - 30 Oct 11
Belgium	+1	+2	27 Mar 11 - 30 Oct 11
Belize	-6		
Benin	+1		
Bermuda	-4	-3	13 Mar 11 - 06 Nov 11
Bhutan	+6		
Bolivia	-4		
Bonaire, Saint Eustatius and Saba	-4		
Bosnia and Herzegovina	+1	+2	27 Mar 11 - 30 Oct 11
Botswana	+2		
Brazil**			
Alagoas, Amapa, Bahia, Ceara, Maranhao, Para, Paraiba, Pernambuco, Piaui, Rio Grande do Norte, Sergipe, Tocantins	-3		
Amazonas, Rondonia, Roraima, Acre	-4		
Fernando de Noronha	-2		
Espirito Santo, Distrito Federak, Goias, Minas Gerais, Parana, Rio De Janeiro, Rio Grande do Sul, Santa Catarina, Sao Paulo	-3	-2	16 Oct 11 - 25 Feb 12
Mato Grosso, Mato Grosso do Sul	-4	-3	16 Oct 11 - 25 Feb 12

Brunei Darussalam	+8		
Bulgaria	+2	+3	27 Mar 11 - 30 Oct 11
Burkina Faso	GMT		
Burundi	+2		
C			
Cambodia	+7		
Cameroon	+1		
Canada**			
Newfoundland Island (excluding Labrador)	-3.30	-2.30	13 Mar 11 - 06 Nov 11
Atlantic Area including Labrador	-4	-3	13 Mar 11 - 06 Nov 11
Eastern Time	-5	-4	13 Mar 11 - 06 Nov 11
Central Time except Saskatchewan	-6	-5	13 Mar 11 - 06 Nov 11
Mountain Time Zone	-7	-6	13 Mar 11 - 06 Nov 11
Pacific Time	-8	-7	13 Mar 11 - 06 Nov 11
Atlantic Areas not observing DST	-4		
Eastern Areas not observing DST	-5		
Saskatchewan	-6		
Mountain Areas not observing DST	-7		
Cape Verde	-1		
Cayman Islands	-5		
Central African Republic	+1		
Chad	+1		
Chile**			
Mainland	-4	-3	09 Oct 11 - 10 Mar 12
Easter Island	-6	-5	08 Oct 11 - 10 Mar 12
China	+8		
Chinese Taipei	+8		
Christmas Island, Indian Ocean	+7		
Cocos (Keeling) Islands	+6.30		
Colombia	-5		
Comoros	+3		
Congo	+1		
Congo Democratic Republic of**			
Kinshasa, Bandundu, Bas-Congo, Equateur Kasai, Kivu, Maniema, Katanga, Oriental	+1		
Cook Islands	-10		
Costa Rica	-6		
Cote d'Ivoire	GMT		
Croatia	+1	+2	27 Mar 11 - 30 Oct 11
Cuba	-5	-4	20 Mar 11 - 30 Oct 11
Curacao	-4		
Cyprus	+2	+3	27 Mar 11 - 30 Oct 11
Czech Republic	+1	+2	27 Mar 11 - 30 Oct 11
D			
Denmark	+1	+2	27 Mar 11 - 30 Oct 11
Djibouti	+3		
Dominica	-4		



OAG Time Calculator Continued

2004

International time calculator

Dominican Republic	-4			
E				
Ecuador**				
Mainland	-5			
Galapagos Islands	-6			
Egypt	+2			
El Salvador	-6			
Equatorial Guinea	+1			
Eritrea	+3			
Estonia	+2	+3	27 Mar 11 - 30 Oct 11	
Ethiopia	+3			
F				
Falkland Islands	-3			
Faroe Islands	GMT	+1	27 Mar 11 - 30 Oct 11	
Fiji	+12			
Finland	+2	+3	27 Mar 11 - 30 Oct 11	
France	+1	+2	27 Mar 11 - 30 Oct 11	
French Guiana	-3			
French Polynesia**				
Marquesas Islands	-9.30			
French Polynesia except Marquesas Island and Gambier Island	-10			
Gambier Island	-9			
G				
Gabon	+1			
Gambia	GMT			
Georgia	+4			
Germany	+1	+2	27 Mar 11 - 30 Oct 11	
Ghana	GMT			
Gibraltar	+1	+2	27 Mar 11 - 30 Oct 11	
Greece	+2	+3	27 Mar 11 - 30 Oct 11	
Greenland**				
Greenland except Pituffik, Ittoqqortoormiit, Nerlerit Inaat	-3	-2	26 Mar 11 - 29 Oct 11	
Pituffik	-4	-3	13 Mar 11 - 06 Nov 11	
Ittoqqortoormiit, Nerlerit Inaat	-1	GMT	27 Mar 11 - 30 Oct 11	
Grenada, Windward Islands	-4			
Guadeloupe	-4			
Guam	+10			
Guatemala	-6			
Guinea	GMT			
Guinea-Bissau	GMT			
Guyana	-4			
H				
Haiti	-5			
Honduras	-6			
Hong Kong (SAR) China	+8			
Hungary	+1	+2	27 Mar 11 - 30 Oct 11	
I				
Iceland	GMT			
India	+5.30			
Indonesia**				
Western including Sumatera, Jawa, Kalimantan Barat and Kalimantan Tengah	+7			
Central including Sulawesi, Kalimantan Selatan, Kalimantan Timur and Nusa Tenggara	+8			
Eastern including Maluku and Papua	+9			
Iran Islamic Republic of	+3.30	+4.30	22 Mar 11 - 21 Sep 11	
Iraq	+3			
Ireland Republic of	GMT	+1	27 Mar 11 - 30 Oct 11	
Israel	+2	+3	01 Apr 11 - 02 Oct 11	
Italy	+1	+2	27 Mar 11 - 30 Oct 11	
J				
Jamaica	-5			
Japan	+9			
Jordan	+2	+3	01 Apr 11 - 27 Oct 11	
K				
Kazakhstan**				
Aktau, Atyrau, Aktyubinsk, Uralsk	+5			
Almaty, Astana, Karaganda, Kokshetau, Kostanay, Kyzyl-Orda, Petropavlovsk, Semipalatinsk, Shimkent, Ust-Kamenogorsk	+6			
Kenya	+3			
Kiribati**				
Gilbert Islands	+12			
Line Islands	+14			
Phoenix Islands	+13			
Korea Democratic People's Republic of	+9			
Korea Republic of	+9			
Kuwait	+3			
Kyrgyzstan	+6			
L				
Lao People's Democratic Republic	+7			
Latvia	+2	+3	27 Mar 11 - 30 Oct 11	
Lebanon	+2	+3	27 Mar 11 - 29 Oct 11	
Lesotho	+2			
Liberia	GMT			
Libyan Arab Jamahiriya	+2			
Liechtenstein	+1	+2	27 Mar 11 - 30 Oct 11	
Lithuania	+2	+3	27 Mar 11 - 30 Oct 11	
Luxembourg	+1	+2	27 Mar 11 - 30 Oct 11	
M				
Macao (SAR) China	+8			
Macedonia Former Yugoslav Republic of	+1	+2	27 Mar 11 - 30 Oct 11	
Madagascar	+3			
Malawi	+2			
Malaysia	+8			



OAG Time Calculator Continued

2005

International time calculator

Maldives	+5		
Mali	GMT		
Malta	+1	+2	27 Mar 11 - 30 Oct 11
Marshall Islands	+12		
Martinique	-4		
Mauritania	GMT		
Mauritius	+4		
Mayotte	+3		
Mexico**			
Mexico, Rest	-6	-5	03 Apr 11 - 30 Oct 11
Baja California Sur,			
Chihuahua, Nayarit, Sinaloa	-7	-6	03 Apr 11 - 30 Oct 11
Baja California Norte	-8	-7	03 Apr 11 - 30 Oct 11
Sonora	-7		
Piedras Negras, Nuevo			
Laredo, Reynosa, Matamoros,			
Ciudad Acuna	-6	-5	13 Mar 11 - 06 Nov 11
Ciudad Juarez	-7	-6	13 Mar 11 - 06 Nov 11
Tijuana, Mexicali	-8	-7	13 Mar 11 - 06 Nov 11
Micronesia Federated States			
of**			
Except Kosrae, Pohnpei	+10		
Kosrae, Pohnpei	+11		
Moldova Republic of	+2	+3	27 Mar 11 - 30 Oct 11
Monaco	+1	+2	27 Mar 11 - 30 Oct 11
Mongolia	+8		
Montenegro	+1	+2	27 Mar 11 - 30 Oct 11
Montserrat, Leeward Islands	-4		
Morocco	GMT	+1	03 Apr 11 - 31 Jul 11
Mozambique	+2		
Myanmar	+6.30		
N	Hours ±GMT	DST ±GMT	Daylight saving time DST (period)
Namibia	+1	+2	04 Sep 11 - 01 Apr 12
Nauru	+12		
Nepal	+5.45		
Netherlands	+1	+2	27 Mar 11 - 30 Oct 11
New Caledonia	+11		
New Zealand**			
Mainland except Chatham			
Island	+12	+13	25 Sep 11 - 01 Apr 12
Chatham Islands	+12.45	+13.45	25 Sep 11 - 01 Apr 12
Nicaragua	-6		
Niger	+1		
Nigeria	+1		
Niue	-11		
Norfolk Island	+11.30		
Northern Mariana Islands			
(except Guam)	+10		
Norway	+1	+2	27 Mar 11 - 30 Oct 11
O	Hours ±GMT	DST ±GMT	Daylight saving time DST (period)
Oman	+4		
P	Hours ±GMT	DST ±GMT	Daylight saving time DST (period)
Pakistan	+5		
Palau	+9		
Panama	-5		
Papua New Guinea	+10		
Paraguay	-4	-3	02 Oct 11 - 07 Apr 12

Peru	-5		
Philippines	+8		
Pitcairn Islands	-8		
Poland	+1	+2	27 Mar 11 - 30 Oct 11
Portugal**			
Mainland and Madeira	GMT	+1	27 Mar 11 - 30 Oct 11
Azores	-1	GMT	27 Mar 11 - 30 Oct 11
Puerto Rico	-4		
Q	Hours ±GMT	DST ±GMT	Daylight saving time DST (period)
Qatar	+3		
R	Hours ±GMT	DST ±GMT	Daylight saving time DST (period)
Reunion	+4		
Romania	+2	+3	27 Mar 11 - 30 Oct 11
Russian Federation**			
Kaliningrad	+2	+3	27 Mar 11 - 30 Oct 11
Moscow, St Petersburg,			
Astrakhan, Naryan Mar,			
Izhevsk, Samara	+3	+4	27 Mar 11 - 30 Oct 11
Perm, Nizhnevartovsk,			
Ekaterinburg	+5	+6	27 Mar 11 - 30 Oct 11
Omsk, Novosibirsk, Kemerovo	+6	+7	27 Mar 11 - 30 Oct 11
Norilsk, Kyzyl	+7	+8	27 Mar 11 - 30 Oct 11
Bratsk, Ulan-Ude	+8	+9	27 Mar 11 - 30 Oct 11
Chita, Yakutsk	+9	+10	27 Mar 11 - 30 Oct 11
Khabarovsk, Vladivostok,			
Yuzhno-Sakhalinsk	+10	+11	27 Mar 11 - 30 Oct 11
Magadan, Chukotka,			
Kamchatka	+11	+12	27 Mar 11 - 30 Oct 11
Rwanda	+2		
S	Hours ±GMT	DST ±GMT	Daylight saving time DST (period)
Saint Barthelemy	-4		
Saint Helena	GMT		
Saint Kitts and Nevis, Leeward			
Islands	-4		
Saint Lucia	-4		
St Maarten (Dutch Part)	-4		
Saint Martin	-4		
Saint Pierre and Miquelon	-3	-2	13 Mar 11 - 06 Nov 11
St Vincent and the Grenadines	-4		
Samoa	-11		
San Marino	+1	+2	27 Mar 11 - 30 Oct 11
Sao Tome and Principe	GMT		
Saudi Arabia	+3		
Senegal	GMT		
Serbia	+1	+2	27 Mar 11 - 30 Oct 11
Seychelles	+4		
Sierra Leone	GMT		
Singapore	+8		
Slovakia	+1	+2	27 Mar 11 - 30 Oct 11
Slovenia	+1	+2	27 Mar 11 - 30 Oct 11
Solomon Islands	+11		
Somalia	+3		
South Africa	+2		
Spain**			
Mainland, Balearics, Melilla,			
Ceuta	+1	+2	27 Mar 11 - 30 Oct 11
Canary Islands	GMT	+1	27 Mar 11 - 30 Oct 11



OAG Time Calculator Continued

2006

International time calculator

Sri Lanka	+5.30
Sudan	+3
Suriname	-3
Swaziland	+2
Sweden	+1 +2 27 Mar 11 - 30 Oct 11
Switzerland	+1 +2 27 Mar 11 - 30 Oct 11
Syrian Arab Republic	+2 +3 01 Apr 11 - 27 Oct 11

Zimbabwe	+2
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T	Hours ±GMT	DST ±GMT	Daylight saving time DST (period)
Tajikistan	+5		
Tanzania United Republic of	+3		
Thailand	+7		
Timor-Leste	+9		
Togo	GMT		
Tonga	+13		
Trinidad and Tobago	-4		
Tunisia	+1		
Turkey	+2 +3 28 Mar 11 - 30 Oct 11		
Turkmenistan	+5		
Turks and Caicos Islands	-5 -4 13 Mar 11 - 06 Nov 11		
Tuvalu	+12		

U	Hours ±GMT	DST ±GMT	Daylight saving time DST (period)
Uganda	+3		
Ukraine	+2 +3 27 Mar 11 - 30 Oct 11		
United Arab Emirates	+4		
United Kingdom	GMT	+1 27 Mar 11 - 30 Oct 11	
United States Minor Outlying Islands**			
Johnston Atoll	-10		
Midway Island	-11		
Wake Island	+12		
USA**			
Eastern Time except Indiana	-5 -4 13 Mar 11 - 06 Nov 11		
Central Time	-6 -5 13 Mar 11 - 06 Nov 11		
Mountain Time except Arizona	-7 -6 13 Mar 11 - 06 Nov 11		
Mountain Time Zone - Arizona	-7		
Pacific Time	-8 -7 13 Mar 11 - 06 Nov 11		
Alaska	-9 -8 13 Mar 11 - 06 Nov 11		
Aleutian Islands	-10 -9 13 Mar 11 - 06 Nov 11		
Hawaiian Islands	-10		
Uruguay	-3 -2 02 Oct 11 - 11 Mar 12		
Uzbekistan	+5		

V	Hours ±GMT	DST ±GMT	Daylight saving time DST (period)
Vanuatu	+11		
Venezuela	-4.30		
Viet Nam	+7		
Virgin Islands, British	-4		
Virgin Islands, US	-4		

W	Hours ±GMT	DST ±GMT	Daylight saving time DST (period)
Wallis and Futuna Islands	+12		

Y	Hours ±GMT	DST ±GMT	Daylight saving time DST (period)
Yemen	+3		

Z	Hours ±GMT	DST ±GMT	Daylight saving time DST (period)
Zambia	+2		