

The Table below will assist in determining the appropriate time zones and Daylight savings time. Latitude & Longitude are provided to improve sun rise & sun set calculations based on location.

Time zone offset: Time zone from UTC (**Coordinated Universal Time**)

ranges from -13:00 to +15:00 hours

Latitude: 0°0' to 89°59', north and south (Only set if City name is User defined city)

Longitude: 0°0' to 180°0', east and west (Only set if City name is User defined city)

NORTH AMERICA	Time Zone Offset	Code	DST	Latitude			Longitude		
				°	'		°	'	
Las Vegas, Nev.	-8	LAS	SU	36	10	N	115	12	W
Los Angeles, Calif.	-8	LAX	SU	34	3	N	118	15	W
Portland, Ore.	-8	PDX	SU	45	31	N	122	41	W
San Diego, Calif.	-8	SAN	SU	32	42	N	117	10	W
Seattle, Wash.	-8	SEA	SU	47	37	N	122	20	W
San Francisco, Calif.	-8	SFO	SU	37	47	N	122	26	W
San Jose, Calif.	-8	SJC	SU	37	20	N	121	53	W
Vancouver, Canada	-8	VAC	SU	49	16	N	123	7	W
Vancouver, B.C., Can.	-8	YVR	SU	49	13	N	123	6	W
Denver, Colo.	-7	DEN	SU	39	45	N	105	0	W
El Paso, Tex.	-7	ELP	SU	31	46	N	106	29	W
Phoenix, Ariz.	-7	PHX	NO	33	29	N	112	4	W
Calgary, Alba., Can.	-7	YYC	SU	51	1	N	114	1	W
Austin, Tex.	-6	AUS	SU	30	16	N	97	44	W
Birmingham, Ala.	-6	BHM	SU	33	30	N	86	50	W
Nashville, Tenn.	-6	BNA	SU	36	10	N	86	47	W
Chicago, IL	-6	CGX	SU	41	50	N	87	37	W
Chihuahua, Mexico	-6	CUU	SU	28	37	N	106	5	W
Dallas, Tex.	-6	DAL	SU	32	46	N	96	46	W
Houston, Tex.	-6	HOU	SU	29	45	N	95	21	W
Memphis, Tenn.	-6	MEM	SU	35	9	N	90	3	W
Mexico City, Mexico	-6	MEX	SU	19	26	N	99	7	W
Milwaukee, Wis.	-6	MKE	SU	43	2	N	87	55	W
Minneapolis, Minn.	-6	MSP	SU	44	59	N	93	14	W
New Orleans, La.	-6	MSY	SU	29	57	N	90	4	W
Oklahoma City, Okla.	-6	OKC	SU	35	26	N	97	28	W
San Antonio, Tex.	-6	SAT	SU	29	23	N	98	33	W
St. Louis, Mo.	-6	STL	SU	38	35	N	90	12	W
Atlanta, Ga.	-5	ATL	SU	33	45	N	84	23	W
Boston, Mass.	-5	BOS	SU	42	21	N	71	5	W
Baltimore, Md.	-5	BWI	SU	39	18	N	76	38	W
Cleveland, Ohio	-5	CLE	SU	41	28	N	81	37	W
Columbus, Ohio	-5	CMH	SU	40	0	N	83	1	W
Cincinnati, Ohio	-5	CVG	SU	39	8	N	84	30	W

Washington, D.C.	-5	DCA	SU	38	53	N	77	2	W
Detroit, Mich.	-5	DTW	SU	42	20	N	83	3	W
Havana, Cuba	-5	HAV	SH	23	8	N	82	23	W
Indianapolis, Ind.	-5	IND	NO	39	46	N	86	10	W
Jacksonville, Fla.	-5	JAX	SU	30	22	N	81	40	W
Miami, Fla.	-5	MIA	SU	25	46	N	80	12	W
New York, N.Y.	-5	NYC	SU	40	47	N	73	58	W
Philadelphia, Pa.	-5	PHL	SU	39	57	N	75	10	W
Pittsburgh, Pa.	-5	PIT	SU	40	27	N	79	57	W
Tampa, Fla.	-5	TPA	SU	27	57	N	82	27	W
Montreal, Que., Can.	-5	YMX	SU	45	30	N	73	35	W
Ottawa, Ont., Can.	-5	YOW	SU	45	24	N	75	43	W
Toronto, Ont., Can.	-5	YTZ	SU	43	40	N	79	24	W
ROW	Zone Offset	Code	DST						
				Latitude			Longitude		
				°	'		°	'	
Addis Ababa, Ethiopia	3	ADD	NO	9	1	N	38	44	E
Adelaide, Australia	9.5	ADL	SA	34	55	S	138	36	E
Ankara, Turkey	2	AKR	SE	39	55	N	32	55	E
Algiers, Algeria	1	ALG	NO	36	50	N	3	0	E
Amsterdam, Netherlands	1	AMS	SE	52	22	N	4	53	E
Stockholm Arlanda, Sweden	1	ARN	SE	59	17	N	18	3	E
Asunción, Paraguay	-3	ASU	sp	25	15	S	57	40	W
Athens, Greece	2	ATH	SE	37	58	N	23	43	E
Bucharest, Romania	2	BBU	SE	44	25	N	26	7	E
Barcelona, Spain	1	BCN	SE	41	23	N	2	9	E
Belgrade, Yugoslavia	1	BEG	SE	44	52	N	20	32	E
Beijing, China	8	BEJ	NO	39	55	N	116	25	E
Berlin, Germany	1	BER	SE	52	30	N	13	25	E
Birmingham, England	0	BHX	SE	52	25	N	1	55	W
Bangkok, Thailand	7	BKK	NO	13	45	N	100	30	E
Brisbane, Australia	10	BNE	NO	27	29	S	153	8	E
Bordeaux, France	1	BOD	SE	44	50	N	0	31	W
Bogotá, Colombia	-5	BOG	NO	4	32	N	74	15	W
Bremen, Germany	1	BRE	SE	53	5	N	8	49	E
Brussels, Belgium	1	BRU	SE	50	52	N	4	22	E
Buenos Aires, Argentina	-3	BUA	NO	34	35	S	58	22	W
Budapest, Hungary	1	BUD	SE	47	30	N	19	5	E
Cairo, Egypt	2	CAI	sg	30	2	N	31	21	E
Caracas, Venezuela	-4	CCS	NO	10	28	N	67	2	W
Calcutta, India (as Kolkata)	5.5	CCU	NO	22	34	N	88	24	E

Córdoba, Argentina	-3	COR	NO	31	28	S	64	10	W
Copenhagen, Denmark	1	CPH	SE	55	40	N	12	34	E
Cape Town, South Africa	2	CPT	NO	33	55	S	18	22	E
New Delhi, India	5.5	DEL	NO	28	35	N	77	12	E
Dakar, Senegal	0	DKR	NO	14	40	N	17	28	W
Dublin, Ireland	0	DUB	SE	53	20	N	6	15	W
Durban, South Africa	2	DUR	NO	29	53	S	30	53	E
Kinshasa, Congo	1	FIH	NO	4	18	S	15	17	E
Frankfurt, Germany	1	FRA	SE	50	7	N	8	41	E
Glasgow, Scotland	0	GLA	SE	55	50	N	4	15	W
Guatemala City, Guatemala	-6	GUA	NO	14	37	N	90	31	W
Hamburg, Germany	1	HAM	SE	53	33	N	10	2	E
Helsinki, Finland	2	HEL	SE	60	10	N	25	0	E
Hong Kong, China	8	HKG	NO	22	20	N	114	11	E
Irkutsk, Russia	8	IKT	SK	52	30	N	104	20	E
Jakarta, Indonesia	7	JKT	NO	6	16	S	106	48	E
Johannesburg, South Africa	2	JNB	NO	26	12	S	28	4	E
Kingston, Jamaica	-5	KIN	NO	17	59	N	76	49	W
Osaka, Japan	9	KIX	NO	34	32	N	135	30	E
Kuala Lumpur, Malaysia	8	KUL	NO	3	8	N	101	42	E
Lima, Peru	-5	LIM	NO	12	0	S	77	2	W
Lisbon, Portugal	0	LIS	SE	38	44	N	9	9	W
London, England	0	LON	SE	51	32	N	0	5	W
La Paz, Bolivia	-4	LPB	NO	16	27	S	68	22	W
Liverpool, England	0	LPL	SE	53	25	N	3	0	W
Lyon, France	1	LYO	SE	45	45	N	4	50	E
Madrid, Spain	1	MAD	SE	40	26	N	3	42	W
Melbourne, Australia	10	MEL	SA	37	47	S	144	58	E
Milan, Italy	1	MIL	SE	45	27	N	9	10	E
Manila, Philippines	8	MNL	NO	14	35	N	120	57	E
Moscow, Russia	3	MOW	SK	55	45	N	37	36	E
Marseille, France	1	MRS	SE	43	20	N	5	20	E
Munich, Germany	1	MUC	SE	48	8	N	11	35	E
Montevideo, Uruguay	-3	MVD	SM	34	53	S	56	10	W
Naples, Italy	1	NAP	SE	40	50	N	14	15	E
Nairobi, Kenya	3	NBO	NO	1	25	S	36	55	E
Nanjing (Nanking), China	8	NKG	NO	32	3	N	118	53	E
Odessa, Ukraine	2	ODS	SE	46	27	N	30	48	E
Omaha, Neb.	-6	OMA	SU	41	15	N	95	56	W

Oslo, Norway	1	OSL	SE	59	57	N	10	42	E
Paris, France	1	PAR	SE	48	48	N	2	20	E
Perth, Australia	8	PER	NO	31	57	S	115	52	E
Prague, Czech Republic	1	PRG	SE	50	5	N	14	26	E
Panama City, Panama	-5	PTY	NO	8	58	N	79	32	W
Rangoon, Myanmar	6.5	RGN	NO	16	50	N	96	0	E
Rio de Janeiro, Brazil	-3	RIO	sb	22	57	S	43	12	W
Reykjavík, Iceland	0	RKV	NO	64	4	N	21	58	W
Rome, Italy	1	ROM	SE	41	54	N	12	27	E
Santiago, Chile	-4	SCL	sc	33	28	S	70	45	W
Shanghai, China	8	SHA	NO	31	10	N	121	28	E
Singapore, Malasia	8	SIN	NO	1	14	N	103	55	E
Sofia, Bulgaria	2	SOF	SE	42	40	N	23	20	E
São Paulo, Brazil	-3	SPL	sb	23	31	S	46	31	W
Salvador, Brazil	-3	SSA	NO	12	56	S	38	27	W
Sydney, Australia	10	SYD	SA	34	0	S	151	0	E
Tokyo, Japan	9	TKO	NO	35	40	N	139	45	E
Tripoli, Libya	2	TRP	NO	32	57	N	13	12	E
Vienna, Austria	1	VIE	SE	48	14	N	16	20	E
Warsaw, Poland	1	WAW	SE	52	14	N	21	0	E
Zürich, Switzerland	1	ZRH	SE	47	21	N	8	31	E

Definitions of time zones using daylight savings time (DST)

NO = NO DST = Places that do not observe DST

ON = Adds 1 hour to the local standard time

SU = USA DST = Beginning in 2007, most of the **United States** begins Daylight Saving Time at 2:00 a.m. on the second Sunday in March and reverts to standard time on the first Sunday in November. In the U.S., each time zone switches at a different time.

SE = EURO DST = Standard European DST. DST begins at 1:00am GMT on the last Sunday of March and ends at 1:00am GMT on the last Sunday of October (03:00 (local DST) >> 02:00 (local standard)).

SK = DST starts on last Sunday of March at 2:00 AM local standard time (02:00 >> 03:00) and ends on last Sunday of October at 3:00 AM local daylight time (03:00 >> 02:00)

SA = AUST DST = Australian DST starts on At 2:00am South Australian standard time on the last Sunday of October time is set 1 hour forward and ends on at 3:00am South Australian summer time on the last Sunday of March time is set 1 hour back.

SB = LATN DST = South Brazilian DST. DST changes annually, starts on third Sunday of October at Midnight local standard time (0:00 >> 01:00) and ends on third Sunday of February at Midnight local daylight time (0:00 >> 23:00)

SC = Chile DST starts on second Sunday of October at Midnight local standard time (0:00 >> 01:00) and ends on second Sunday of March at Midnight local daylight time (0:00 >> 23:00).

SH = DST starts on first Sunday of April at midnight local standard time (0:00am >> 01:00am) and ends on last Sunday of October at 1:00 AM of local daylight time (1:00am >> 0:00)

SP = Paraguay DST starts third Sunday in October at midnight local standard time (0:00am >> 01:00am) ends second Sunday in March at midnight local daylight time (1:00am >> 0:00).

SG = Egypt DST begins last Friday in April at Midnight local standard time (0:00 >> 01:00) and ends last Friday (0:00 Friday of local DST) in September at Midnight local daylight time (0:00 >> 23:00)

SN = Namibia DST begins first Sunday in September 2:00 of local standard time (02:00 >> 03:00) and ends first Sunday in April 2:00 of local daylight time. (02:00 >> 01:00)

SZ = New Zealand DST begins first Sunday of October at 2:00 AM local standard time (02:00 >> 03:00) and ends third Sunday in March at 3:00 AM local daylight time (03:00 >> 02:00).

ST = Tasmania DST begins first Sunday in October 2:00 of local standard time (02:00 >> 03:00) and ends last Sunday in March at 3:00 of local daylight time (03:00 >> 02:00).

SI = Iraq and Syria DST starts April 1 at 3:00 of the local standard time (03:00 >> 04:00) and ends October 1 at 4:00 of the local daylight time (04:00 >> 03:00).

SQ = Iran DST starts 21 Mar at midnight of local standard time (0:00 >> 01:00am) maybe changed annually and ends 21 Sep at midnight of local daylight time (0:00 >> 23:00).

SM = DST starts on third Sunday of September at Midnight local standard time (0:00 >> 01:00) and ends on last Sunday of March at 2:00 AM local daylight time (02:00 >> 01:00).