Hieroglyphic Decipherment Guide

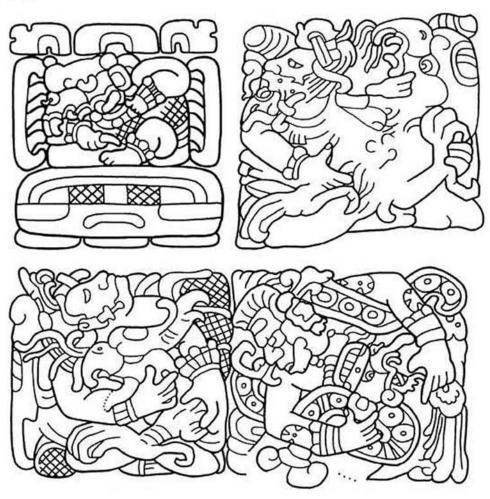


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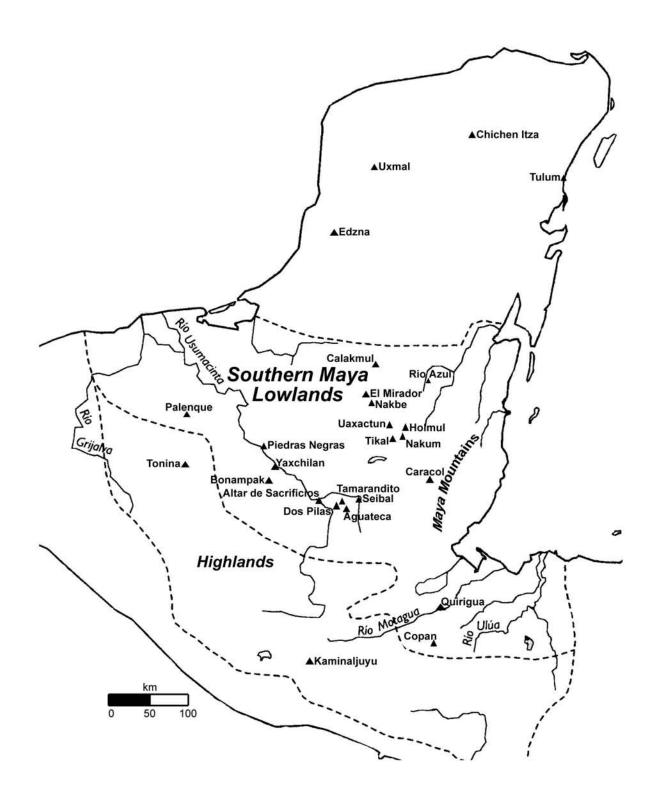
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With grateful thanks to Michael Coe, Nikolai Grube, Stephen Houston, Simon Martin, Peter Mathews, John F. Montgomery, Linda Schele, David Stuart, Karl Taube, Mark Van Stone and Marc Zender for the generous use of their illustrations in this not-for-profit study guide. Thanks also to Nick Hopkins for his critical comments.

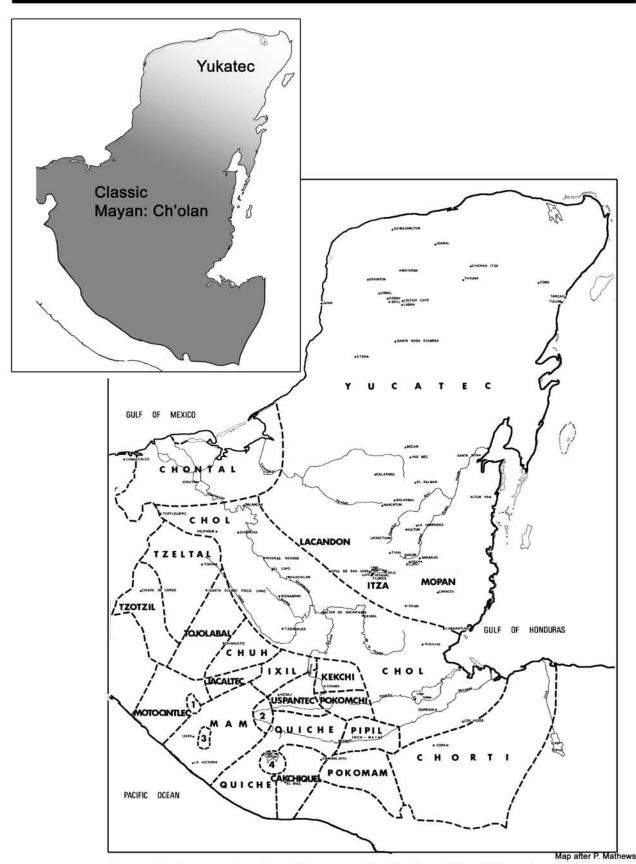
Persons using this guide should be aware that the field of Maya hieroglyphic studies is ongoing and decipherments are subject to revision and intense debate regarding spelling, grammar, tense aspect or meaning. Any mistakes are the responsibility of the compiler, Inga E. Calvin.

ANY USE OF THIS GUIDE FOR SALE OR PROFIT IS STRICTLY PROHIBITED.

Periods	Dates
Modern	AD 1500 - present
Post Classic	AD 1500 - AD 900
Late Classic	AD 900 - AD 600
Early Classic	AD 600 - AD 200
Pre-Classic	900 BC - 200 AD
Formative/ Archaic	2000 BC - 900 BC

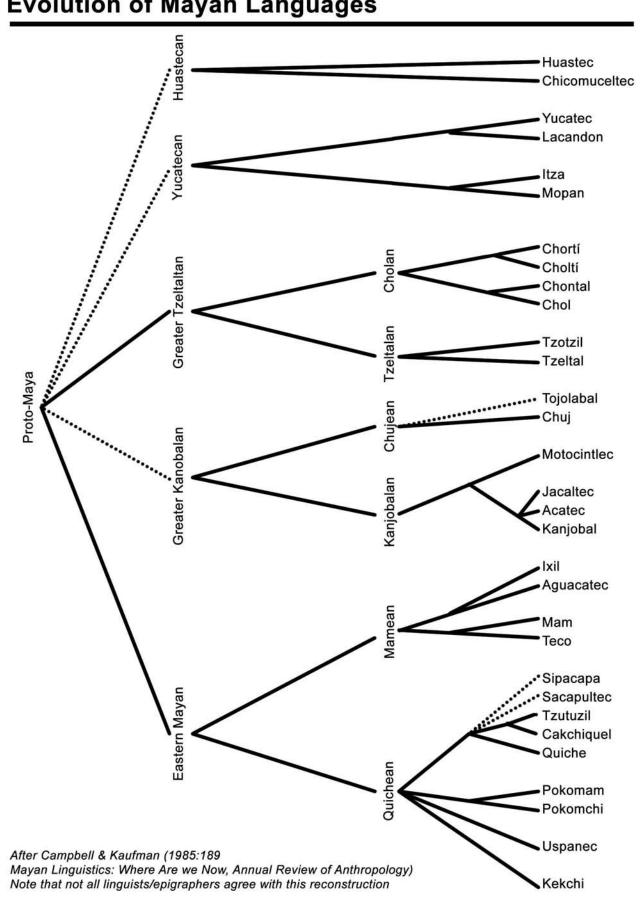


Classic Period & Modern Maya Languages

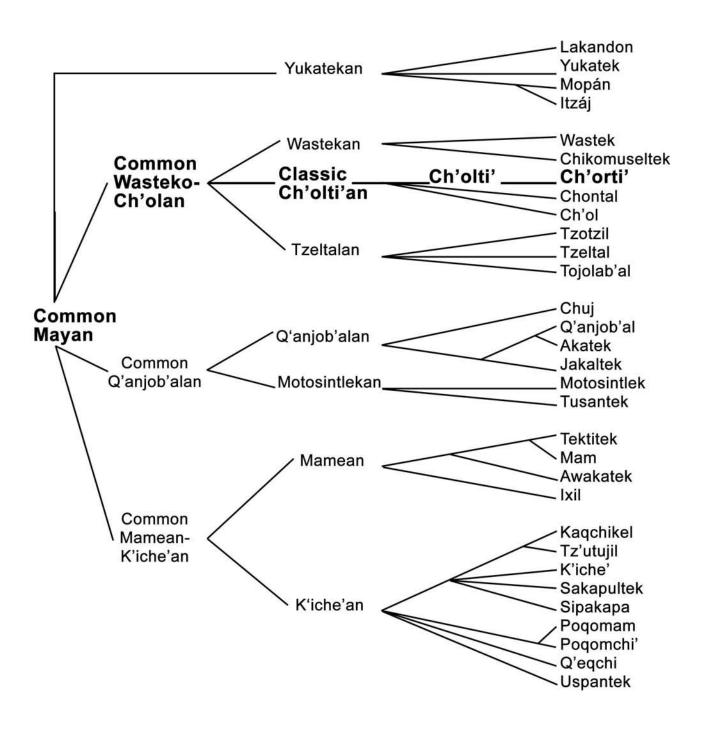


(approximate reconstruction of language distribution of the 16th century)

Evolution of Mayan Languages



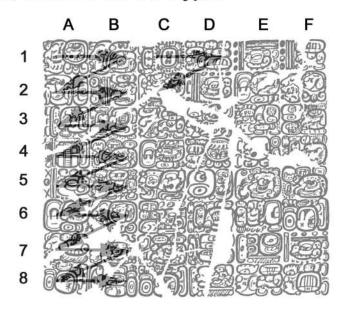
Evolution of Mayan Languages



from Robertson 1992:fig. I.I; Houston et al. 2000:Fig. 1 Not all linguists/epigraphers agree with this reconstruction either

Reading Order

Text - Palenque, Tablet of the 96 Glyphs



Superfix | Main | Sign | Sign | Subfix | Subfix

glottal initial vowel		q	γp	ch'
	В		(E) (E) coe	
	Φ			
	-		(B)	
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	ם	E F		

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	В	O		0	ח

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tz'					
	В	Ф	-	0	п

Numbers

		*
1 <i>JUUN</i>	0	11 BULUCH
2 сна'	0	12 CHALAJUUN
3 'UX	000	13 'UXLAJUUN
4 CHAN	8	14 CHANLAJUUN
5 но [,]		15 HOLAJUUN
6 WAK	©	16 WAKLAJUUN
7 ник		17 HUKLAJUUN
8 WAXAK	9	18 WAXAKLAJUUN SII SII SII SII SII SII SII SII SII SI
9 BOLON	8	19 BOLONLAJUUN
10 LAJUUN		20 / 0 MIH / JUUN K'AL MIH JUUN K'A

(after Kaufman and Norman 1984:137-138)

Dates - Sacred Almanac of 260 days

Yukatek

Classic Mayan

Classic Mayan	
IMIX Ha'?	CHUWEN ?
IK' Ik'?	EB ?
AKBAL Ak'ab?	BEN ?
K'AN Ohl?	IX Hix?
CHIKCHAN ?	MEN Tz'ikin?
KIMI' Cham	KIB ?
MANIK' Chij?	KABAN Chab? / Kab?
LAMAT Ek'?	? ETZ'NAB
MULUK ?	KAWAK ?
OK ?	AJAW Ajaw?

Dates - Solar Calendar of 365 days

Yukatek

Classic Mayan

	2	
POHP K'anjalab		YAX Yaxsihoom
WOH Ik'at		SAK Saksihoom
SIP Chakat		KEH Chaksihoom
SOOTZ' Suutz'		MAK Mak
TSEK Kasew		K'ANK'IN Uniw or K'ank'in
XUL Tz'i		MUAN Muwaan
YAXK'IN Yaxk'in		PAX Paax
MOL Mol		K'AYAB K'anasiiy
CH'EN Ik'sihoom		KUMK'U Hulohl? / Ohl?
		WAYEB Waayhaab? / Kolajaw

Dates - Long Count

Dates Long			
K'IN 1 day #s 0-19			
WINAL / WINAAK 20 k'in = 20 days #s 0-17			
TUUN / HAAB 18 winal = 360 days #s 0-19			
K'ALTUUN 20 tuun = 7,200 days #s 0-19			
BAK'TUUN / PIK 400 tuun = 144,000 days #s 0-19			
PIKTUUN 8000 <i>tuun</i> = 2,880,000 days			
KALABTUUN 160,00 <i>tuun</i> 57,600,000 days			
<i>KINCHILTUUN</i> 3,200,000 <i>tuun</i> 1,152,000,000 days			

Dates - Supplementary Series Lords of the Night

			#5_9899 00000 0000 00	
G1				
G2				
G3	(A)			
G4		ST.		
G5				
G6				
G 7				
G8				
G 9				
F - HUUN TI' HUN-na "[is] at the edge of the paper"				

Dates - Lunar Series

Glyphs E & D

Number of days since last New Moon (29-1/2 day period)



10 days since its arrival



11 days



14 days



22 days



26 days



29 days

Glyph C - 'U # K'AL position of moon within a cycle of 6 lunations



'u KA jaguar K'AL his/its 2 ? binding



KA IX K'A 2 ? binding



OX-eye K'AL 3 ? binding



OX-skull K'AL 3 ? binding

Glyph X

accompanies Glyph C - names the lunar month



X1



X2



X3



X4



X5



X6

Glyph B
'u K'ABA'
"its name"





Glyph A Moon Length (29 or 30 days)



29 days



30 days

Correlation of Maya & Christian Dates

8.14.0.0.0					
0.14.0.0.0	7 Ajaw	3 Xul	1-Sep	A.D.	317
8.14.10.0.0	6 Ajaw	13 Sip	11-Jul	A.D.	327
8.15.0.0.0	5 Ajaw	3 Pop	19-May	A.D.	337
8.15.10.0.0	4 Ajaw	18 Pax	and the second second		
6.15.10.0.0	4 Ajaw	10 Pax	28-Mar	A.D.	347
8.16.0.0.0	3 Ajaw	8 K'ank'in	3-Feb	A.D.	357
8.16.10.0.0	2 Ajaw	18 Sak		A.D.	366
8.17.0.0.0	25,075 1		13-Dec		
	1 Ajaw	8 Ch'en	21-Oct	A.D.	376
8.17.10.0.0	13 Ajaw	18 Xul	30-Aug	A.D.	386
8.18.0.0.0	12 Ajaw	8 Sotz'	8-Jul	A.D.	396
8.18.10.0.0	11 Ajaw	18 Pop	17-May	A.D.	406
8.19.0.0.0	10 Ajaw	13 Kayab	25-Mar	A.D.	416
8.19.10.0.0	9 Ajaw	3 Muwan	1-Feb	A.D.	426
00000	9 Aigus	12 Kai	11 Dec	A D	405
9.0.0.0.0	8 Ajaw	13 Kej	11-Dec	A.D.	435
9.0.10.0.0	7 Ajaw	3 Yax	19-Oct	A.D.	445
9.1.0.0.0	6 Ajaw	13 Yaxk'in	28-Aug	A.D.	455
9.1.10.0.0	5 Ajaw	3 Sek	6-Jul	A.D.	465
9.2.0.0.0	4 Ajaw	13 Wo	15-May	A.D.	475
9.2.10.0.0	3 Ajaw	8 K'umk'u	23-Mar	A.D.	485
9.3.0.0.0	2 Ajaw	18 Muwan	30-Jan	A.D.	495
9.3.10.0.0	1 Ajaw	8 Mak	9-Dec	A.D.	504
9.4.0.0.0	13 Ajaw	18 Yax	18-Oct		514
9.4.10.0.0	12 Ajaw	8 Mol	26-Aug	A.D.	524
3.4.10.0.0	12 Ajaw	O IVIOI	20-Aug	A.D.	324
9.5.0.0.0	11 Ajaw	18 Sek	5-Jul	A.D.	534
9.5.10.0.0	10 Ajaw	8 Sip	13-May		544
9.6.0.0.0	9 Ajaw	3 Wayeb'	22-Mar	A.D.	554
9.6.10.0.0	8 Ajaw	13 Pax	29-Jan	A.D.	564
9.7.0.0.0	7 Ajaw	3 K'ank'in			
			7-Dec	A.D.	573
9.7.10.0.0	6 Ajaw	13 Sak	16-Oct	A.D.	583
9.8.0.0.0	5 Ajaw	3 Ch'en	24-Aug		593
9.8.10.0.0	4 Ajaw	13 Xul	4-Jul	A.D.	603
9.9.0.0.0	3 Ajaw	3 Sotz'	12-May	A.D.	613
9.9.10.0.0	2 Ajaw	13 Pop	21-Mar	A.D.	623
9.10.0.0.0	1 Ajaw	8 K'ayab'	27-Jan	A.D.	633
9.10.10.0.0	13 Ajaw	18 K'ank'in	6-Dec	A.D.	642
9.11.0.0.0	12 Ajaw				652
		8 Kej	14-Oct	A.D.	
		40 Ohlan	00 4	A D	
9.11.10.0.0	11 Ajaw	18 Ch'en	23-Aug		662
9.11.10.0.0 9.12.0.0.0	11 Ajaw 10 Ajaw	8 Yaxk'in	1-Jul	A.D.	672
9.11.10.0.0 9.12.0.0.0 9.12.10.0.0	11 Ajaw 10 Ajaw 9 Ajaw	8 Yaxk'in 13 Sip	1-Jul 10-May	A.D. A.D.	672 682
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9.11.10.0.0 9.12.0.0.0 9.12.10.0.0 9.13.0.0.0 9.13.10.0.0 9.14.0.0.0 9.15.0.0.0 9.15.10.0.0 9.16.0.0.0 9.17.10.0.0 9.17.10.0.0 9.18.0.0.0 9.18.10.0.0 9.19.0.0.0	11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw 5 Ajaw 1 Ajaw 1 Ajaw 12 Ajaw 11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw	8 Yaxk'in 13 Sip 8 Wo 3 K'umk'u 13 Muwan 3 Mak 13 Yax 3 Mol 13 Sek 3 Sip 18 K'umk'u 8 Pax 18 Mak 8 Sak 18 Mol 8 Xul	1-Jul 10-May 18-Mar 26-Jan 5-Dec 13-Oct 22-Aug 30-Jun 9-May 17-Mar 24-Jan 2-Dec 11-Oct 19-Aug 28-Jun 6-May	A.D. A.D. A.D. A.D. A.D. A.D. A.D. A.D.	672 682 692 702 711 731 741 751 761 770 800 810 820
9.11.10.0.0 9.12.0.0.0 9.12.10.0.0 9.13.0.0.0 9.13.10.0.0 9.14.0.0.0 9.14.10.0.0 9.15.10.0.0 9.16.10.0.0 9.17.0.0.0 9.17.10.0.0 9.18.0.0.0 9.18.10.0.0 9.19.0.0.0 9.19.10.0.0	11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw 5 Ajaw 1 Ajaw 13 Ajaw 12 Ajaw 11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw	8 Yaxk'in 13 Sip 8 Wo 3 K'umk'u 13 Muwan 3 Mak 13 Yax 3 Mol 13 Sek 3 Sip 18 K'umk'u 8 Pax 18 Mak 8 Sak 18 Mol 8 Xul 18 Sip	1-Jul 10-May 18-Mar 26-Jan 5-Dec 13-Oct 22-Aug 30-Jun 9-May 17-Mar 24-Jan 2-Dec 11-Oct 19-Aug 28-Jun 6-May	A.D. A.D. A.D. A.D. A.D. A.D. A.D. A.D.	672 682 692 702 711 731 741 751 761 770 800 810 820
9.11.10.0.0 9.12.0.0.0 9.12.10.0.0 9.13.0.0.0 9.13.10.0.0 9.14.0.0.0 9.15.0.0.0 9.15.10.0.0 9.16.0.0.0 9.17.0.0.0 9.17.10.0.0 9.18.0.0.0 9.19.0.0.0 10.0.0.0.0	11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw 5 Ajaw 1 Ajaw 12 Ajaw 11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw	8 Yaxk'in 13 Sip 8 Wo 3 K'umk'u 13 Muwan 3 Mak 13 Yax 3 Mol 13 Sek 3 Sip 18 K'umk'u 8 Pax 18 Mak 8 Sak 18 Mol 8 Xul 18 Sip 8 Pop	1-Jul 10-May 18-Mar 26-Jan 5-Dec 13-Oct 22-Aug 30-Jun 9-May 17-Mar 24-Jan 2-Dec 11-Oct 19-Aug 28-Jun 6-May	A.D. A.D. A.D. A.D. A.D. A.D. A.D. A.D.	672 682 692 702 711 721 731 741 751 761 770 800 810 820 830 840
9.11.10.0.0 9.12.0.0.0 9.12.10.0.0 9.13.0.0.0 9.13.10.0.0 9.14.0.0.0 9.15.0.0.0 9.15.10.0.0 9.16.0.0.0 9.17.0.0.0 9.17.10.0.0 9.18.0.0.0 9.19.0.0.0 10.0.0.0.0 10.0.0.0.0	11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw 5 Ajaw 1 Ajaw 11 Ajaw 11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw 5 Ajaw	8 Yaxk'in 13 Sip 8 Wo 3 K'umk'u 13 Muwan 3 Mak 13 Yax 3 Mol 13 Sek 3 Sip 18 K'umk'u 8 Pax 18 Mak 8 Sak 18 Mol 8 Xul 18 Sip 8 Pop 3 K'ayab'	1-Jul 10-May 18-Mar 26-Jan 5-Dec 13-Oct 22-Aug 30-Jun 9-May 17-Mar 24-Jan 2-Dec 11-Oct 19-Aug 28-Jun 6-May 15-Mar 22-Jan 30-Nov	A.D. A.D. A.D. A.D. A.D. A.D. A.D. A.D.	672 682 692 702 711 721 731 751 761 771 780 800 810 820 830 840 849
9.11.10.0.0 9.12.0.0.0 9.12.10.0.0 9.13.0.0.0 9.13.10.0.0 9.14.0.0.0 9.14.10.0.0 9.15.10.0.0 9.15.10.0.0 9.16.10.0.0 9.17.0.0.0 9.18.0.0.0 9.19.0.0.0 10.0.0.0.0 10.0.0.0.0 10.1.1.0.0.0 10.1.1.0.0.0	11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw 5 Ajaw 1 Ajaw 11 Ajaw 11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw 5 Ajaw 4 Ajaw	8 Yaxk'in 13 Sip 8 Wo 3 K'umk'u 13 Muwan 3 Mak 13 Yax 3 Mol 13 Sek 3 Sip 18 K'umk'u 8 Pax 18 Mak 8 Sak 18 Mol 8 Xul 18 Sip 8 Pop 3 K'ayab' 13 K'ank'in	1-Jul 10-May 18-Mar 26-Jan 5-Dec 13-Oct 22-Aug 30-Jun 9-May 17-Mar 24-Jan 2-Dec 11-Oct 19-Aug 28-Jun 6-May 15-Mar 22-Jan 30-Nov 9-Oct	A.D. A.D. A.D. A.D. A.D. A.D. A.D. A.D.	672 682 692 702 711 721 731 751 761 771 780 810 820 830 840 849 859
9.11.10.0.0 9.12.0.0.0 9.12.10.0.0 9.13.0.0.0 9.13.10.0.0 9.14.0.0.0 9.14.10.0.0 9.15.10.0.0 9.15.10.0.0 9.16.10.0.0 9.17.0.0.0 9.18.0.0.0 9.19.0.0.0 10.0.0.0.0 10.0.0.0.0 10.1.1.0.0.0 10.1.1.0.0.0 10.2.0.0.0	11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw 5 Ajaw 4 Ajaw 2 Ajaw 1 Ajaw 11 Ajaw 11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw 5 Ajaw 4 Ajaw 5 Ajaw 7 Ajaw 6 Ajaw 7 Ajaw 8 Ajaw 7 Ajaw 8 Ajaw 7 Ajaw 8 Ajaw 9 Ajaw 8 Ajaw	8 Yaxk'in 13 Sip 8 Wo 3 K'umk'u 13 Muwan 3 Mak 13 Yax 3 Mol 13 Sek 3 Sip 18 K'umk'u 8 Pax 18 Mak 8 Sak 18 Mol 8 Xul 18 Sip 8 Pop 3 K'ayab' 13 K'ank'in 8 Kej	1-Jul 10-May 18-Mar 26-Jan 5-Dec 13-Oct 22-Aug 30-Jun 9-May 17-Mar 24-Jan 2-Dec 11-Oct 19-Aug 28-Jun 6-May 15-Mar 22-Jan 30-Nov 9-Oct 17-Aug	A.D. A.D. A.D. A.D. A.D. A.D. A.D. A.D.	672 682 692 702 711 721 731 751 761 771 780 790 800 810 820 830 840 849 859 869
9.11.10.0.0 9.12.0.0.0 9.12.10.0.0 9.13.0.0.0 9.13.10.0.0 9.14.0.0.0 9.14.10.0.0 9.15.10.0.0 9.15.10.0.0 9.16.10.0.0 9.17.0.0.0 9.17.10.0.0 9.18.0.0.0 9.19.0.0.0 10.0.0.0.0 10.0.0.0.0 10.1.10.0.0 10.2.0.0.0 10.2.10.0.0	11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw 5 Ajaw 1 Ajaw 13 Ajaw 12 Ajaw 11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw 5 Ajaw 4 Ajaw 3 Ajaw 2 Ajaw 2 Ajaw 2 Ajaw	8 Yaxk'in 13 Sip 8 Wo 3 K'umk'u 13 Muwan 3 Mak 13 Yax 3 Mol 13 Sek 3 Sip 18 K'umk'u 8 Pax 18 Mak 8 Sak 18 Mol 8 Xul 18 Sip 8 Pop 3 K'ayab' 13 K'ank'in 8 Kej 13 Ch'en	1-Jul 10-May 18-Mar 26-Jan 5-Dec 13-Oct 22-Aug 30-Jun 9-May 17-Mar 24-Jan 2-Dec 11-Oct 19-Aug 28-Jun 6-May 15-Mar 22-Jan 30-Nov 9-Oct 17-Aug 26-Jun	A.D. A.D. A.D. A.D. A.D. A.D. A.D. A.D.	672 682 692 702 711 721 731 741 751 761 770 800 810 820 830 840 849 859 869 879
9.11.10.0.0 9.12.0.0.0 9.12.10.0.0 9.13.0.0.0 9.13.10.0.0 9.14.0.0.0 9.14.10.0.0 9.15.10.0.0 9.15.10.0.0 9.16.10.0.0 9.17.0.0.0 9.17.10.0.0 9.18.0.0.0 9.19.0.0.0 10.0.0.0.0 10.0.0.0.0 10.1.10.0.0 10.2.0.0.0 10.2.10.0.0	11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw 5 Ajaw 4 Ajaw 13 Ajaw 13 Ajaw 11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw 5 Ajaw 4 Ajaw 13 Ajaw 14 Ajaw 15 Ajaw 16 Ajaw 17 Ajaw 18	8 Yaxk'in 13 Sip 8 Wo 3 K'umk'u 13 Muwan 3 Mak 13 Yax 3 Mol 13 Sek 3 Sip 18 K'umk'u 8 Pax 18 Mak 8 Sak 18 Mol 8 Xul 18 Sip 8 Pop 3 K'ayab' 13 K'ank'in 8 Kej 13 Ch'en 3 Yaxk'in	1-Jul 10-May 18-Mar 26-Jan 5-Dec 13-Oct 22-Aug 30-Jun 9-May 17-Mar 24-Jan 2-Dec 11-Oct 19-Aug 28-Jun 6-May 15-Mar 22-Jan 30-Nov 9-Oct 17-Aug	A.D. A.D. A.D. A.D. A.D. A.D. A.D. A.D.	672 682 692 702 711 721 731 751 761 770 800 810 820 830 840 849 859 869
9.11.10.0.0 9.12.0.0.0 9.12.10.0.0 9.13.0.0.0 9.13.10.0.0 9.14.0.0.0 9.14.10.0.0 9.15.10.0.0 9.15.10.0.0 9.16.10.0.0 9.17.0.0.0 9.17.10.0.0 9.18.0.0.0 9.19.0.0.0 10.0.0.0.0 10.0.0.0.0 10.1.10.0.0 10.2.0.0.0 10.2.10.0.0	11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw 5 Ajaw 1 Ajaw 13 Ajaw 12 Ajaw 11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw 5 Ajaw 4 Ajaw 3 Ajaw 2 Ajaw 2 Ajaw 2 Ajaw	8 Yaxk'in 13 Sip 8 Wo 3 K'umk'u 13 Muwan 3 Mak 13 Yax 3 Mol 13 Sek 3 Sip 18 K'umk'u 8 Pax 18 Mak 8 Sak 18 Mol 8 Xul 18 Sip 8 Pop 3 K'ayab' 13 K'ank'in 8 Kej 13 Ch'en	1-Jul 10-May 18-Mar 26-Jan 5-Dec 13-Oct 22-Aug 30-Jun 9-May 17-Mar 24-Jan 2-Dec 11-Oct 19-Aug 28-Jun 6-May 15-Mar 22-Jan 30-Nov 9-Oct 17-Aug 26-Jun	A.D. A.D. A.D. A.D. A.D. A.D. A.D. A.D.	672 682 692 702 711 721 731 751 761 770 800 810 820 830 840 849 859 869 879
9.11.10.0.0 9.12.0.0.0 9.12.10.0.0 9.13.0.0.0 9.13.10.0.0 9.14.0.0.0 9.14.10.0.0 9.15.10.0.0 9.15.10.0.0 9.16.10.0.0 9.17.0.0.0 9.17.10.0.0 9.18.0.0.0 9.19.0.0.0 10.0.0.0.0 10.0.0.0.0 10.1.10.0.0 10.2.0.0.0 10.2.10.0.0	11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw 5 Ajaw 4 Ajaw 13 Ajaw 13 Ajaw 11 Ajaw 10 Ajaw 9 Ajaw 8 Ajaw 7 Ajaw 6 Ajaw 5 Ajaw 4 Ajaw 13 Ajaw 14 Ajaw 15 Ajaw 16 Ajaw 17 Ajaw 18	8 Yaxk'in 13 Sip 8 Wo 3 K'umk'u 13 Muwan 3 Mak 13 Yax 3 Mol 13 Sek 3 Sip 18 K'umk'u 8 Pax 18 Mak 8 Sak 18 Mol 8 Xul 18 Sip 8 Pop 3 K'ayab' 13 K'ank'in 8 Kej 13 Ch'en 3 Yaxk'in	1-Jul 10-May 18-Mar 26-Jan 5-Dec 13-Oct 22-Aug 30-Jun 9-May 17-Mar 24-Jan 2-Dec 11-Oct 19-Aug 28-Jun 6-May 15-Mar 22-Jan 30-Nov 9-Oct 17-Aug 26-Jun 4-May	A.D. A.D. A.D. A.D. A.D. A.D. A.D. A.D.	672 682 692 702 711 731 741 751 761 770 800 810 820 830 840 849 849 869 879 889