Ethiopic Character Composi- Address Ordered Ethiopic IM Table tion for Latin Keyboards

This document is not intended to be a comprehensive reference on Ethiopic IM it is offered in the hope that it might be helpful for those wishing to implement an Ethiopic IM. The key sequences detailed here are those of the SERA-IM model employed in Multilingual Emacs and elaborated further on by ያዕቆብ and ፍለሃ 1.

Two tables are given. The first is character code ordered as per Unicode. The second table follows Unicode for syllabic series then orders characters in an "event sequence" ordering. That is, in the sequence that the user would experience glyph changes on the screen as s/he is keying them in.

Issues of deletion, infinite numeric input, gemination, SERA and efficiency are not discussed herein. Regular expression notation is used to save table space where [mM] + u is equivalent to m + u and M + u. The first character in the square brackets indicates the expected user preference (m vs M).

Sequence	Character	Unicode Address
h + e	υ	U+1200
h + u	v	U+1201
h + i	4 .	U+1202
h + a	y	U+1203
h + E	Y.	U+1204
h	บ	U+1205
h + o	v	U+1206
h + W	ኋ	U+128B
h + W + a	ኋ	U+128B
h + W + e	' P	U+1288
h + W + u	ኍ	U+128D
h + W + i	ኍ	U+128A
h + W + E	7 .	U+128C
h + W + '	ኍ	U+128D
[1L] + e	Λ	U+1208
[1L] + u	ሱ	U+1209
[1L] + i	ሲ	U+120A
[1L] + a	ሳ	U+120B
[1L] + E	ሌ	U+120C
[1L]	A	U+120D
[1L] + o	ሎ	U+120E
[1L] + W	ሏ	U+120F
[1L] + W + a	ሏ	U+120F
Н + е	ሐ	U+1210
H + u	ሑ	U+1211
H + i	ሐ.	U+1212
H + a	ሐ	U+1213
H + E	ψ	U+1214
Н	ሕ	U+1215
H + o	ሐ	U+1216
H + W	ሗ	U+1217
H + W + a	ሗ	U+1217
[mM] + e	συ	U+1218
[mM] + u	σD⁴ σD	U+1219
[mM] + i	ø.	U+121A
[mM] + a	en en	U+121B
[mM] + E	øg.	U+121C
[mM]	go	U+121D
[mM] + o	qъ	U+121E
[mM] + W + e	an-	U+????
[mM] + W + u	ም	U+????
	con	tinued on next page

 $^{^{1}}IM$ Principles for an Ethiopic Text Editor ftp://ftp.cs.indiana.edu/pub/fidel/sera-docs/sera-im.ps

continued from previou	us pag	;e
[mM] + W + i	ም	U+????
[mM] + W	ø y	U+121F
[mM] + W + a	ø y	U+121F
[mM] + W + E	Ŋ	U+????
[mM] + W + '	ም	U+????
[mM] + Y	ðģ	U+1358
[mM] + Y + a	ðģ	U+1358
' + s + e	w	U+1220
' + s + u	W,	U+1221
' + s + i	ળ.	U+1222
' + s + a	Ч	U+1223
' + s + E	ь	U+1224
' + s +	p	U+1225
' + s + o	r	U+1226
' + s + W	ጧ	U+1227
' + s + W + a	ሧ	U+1227
s + [s2] + e	w	U+1220
s + [s2] + u	w.	U+1221
s + [s2] + i	ળ.	U+1222
s + [s2] + a	vJ	U+1223
s + [s2] + E	ь	U+1224
s + [s2]	p	U+1225
s + [s2] + o	r	U+1226
s + [s2] + W	ሧ	U+1227
s + [s2] + W + a	ጧ	U+1227
[rR] + e	ሬ	U+1228
[rR] + u	ሩ	U+1229
[rR] + i	C	U+122A
[rR] + a	Ŀ	U+122B
[rR] + E	lo	U+122C
[rR]	C	U+122D
[rR] + o	C	U+122E
[rR] + W	ሯ	U+122F
[rR] + W + a	ሯ	U+122F
[rR] + Y	8	U+1359
[rR] + Y + a	Z	U+1359
s + e	Λ	U+1230
s + u	ሱ	U+1231
s + i	Λ.	U+1232
s + a	ሳ	U+1233
s + E	ሴ	U+1234
s	ስ	U+1235
s + o	ሶ	U+1236
s + W	ሷ	U+1237
continue	d on i	next page

cont	inu	ed	fro	m pre	vious page
s +	W	+	a	Ţ	U+1237
x +	е			'n	U+1238
x +	u			ለ ት	U+1239
x +	i			ሽ.	U+123A
x +	a			ሻ	U+123B
x +	Ε			ሼ	U+123C
x				ส	U+123D
x +	0			ሽ	U+123E
x +	W			ሿ	U+123F
x +	W	+	a	ሿ	U+123F
q +	е			ф	U+1240
q +	u			4	U+1241
q +	i			ቂ	U+1242
q +	a			ச	U+1243
q +	Ε			ф	U+1244
q				ቅ	U+1245
q +	0			ቆ	U+1246
q +	W	+	е	4 .	U+1248
q +	W	+	u	ቀ ላ	U+124D
q +	W	+	i	ቀч	U+124A
q +	W			虫	U+1240
q +	W	+	a	虫	U+124B
q +	W	+	Е	ቌ	U+124C
q +	W	+	,	ф.	U+124D
′ +	q	+	е	¥	U+????
٠ +	q	+	u	4	U+????
٠ +	q	+	i	¥	U+????
٠ +	q	+	a	₩ ₽ ₩₩₩₩	U+????
٠ +	q	+	E	*	U+????
٠ +	q		_	X	U+????
· +	q	+	0	A A	U+????
q +	2	+	e	₽ ¥	U+????
q +	2	+	u	4	U+????
q +	2	+	i	4	U+????
-1	2	+	a	J	U+????
-1	2	+	E	₩	U+????
1	2				U+????
q + q +	2	+	0	₩	U+????
Q +	e		Ü	P	U+????
Q+	u			華	U+1251
Q+	i			Ŧ	U+1251
				F F	U+1252 U+1253
Q +	a.			ቻ ቼ	
Q +	Ε			ኞ	U+1254
Q				P	U+1255

continued from p		s page			
Q + o	ል	U+1256			
Q + W + e	ቘ	U+1258			
Q + W + u	ቝ፟፟	U+125D			
Q + W + i	ቝ፟፟	U+125A			
Q + W	ቛ	U+125B			
Q + W + a	ቛ	U+125B			
Q + W + E	ቜ	U+125C			
Q + W + '	ф .	U+125D			
[bB] + e	N	U+1260			
[bB] + u	<u>ቡ</u>	U+1261			
[bB] + i	<u>α</u>	U+1262			
[bB] + a	ባ	U+1263			
[bB] + E	ቤ	U+1264			
[bB]	1	U+1265			
[bB] + o	ը Մ	U+1266			
[bB] + W + e	_	U+????			
F	ው	U+????			
[bB] + W + u [bB] + W + i	ዙ ዙ	U+????			
[bB] + W	ď.	U+1267			
F	ሷ	U+1267			
[bB] + W + a [bB] + W + E	ዄ	U+????			
[pB] + M + ,	ት የ	U+????			
[Ü,	U+1268			
	ŭ.	U+1268 U+1269			
[vV] + u [vV] + i	Ų.				
	ų ir	U+126A			
[vV] + a		U+126B			
[vV] + E	ų ų	U+126C			
[vV]	ļ ļ	U+126D			
[vV] + o	_	U+126E			
[vV] + W	id Id	U+126F			
[vV] + W + a	Į.	U+126F			
t + e	ተ	U+1270			
t + u	作	U+1271			
t + i	ቲ	U+1272			
t + a	ታ	U+1273			
t + E	ቴ	U+1274			
t 	ት ቶ	U+1275			
t + o		U+1276			
t + W	力士	U+1277			
t + W + a	生	U+1277			
c + e	华	U+1278			
c + u	华	U+1279			
c + i	モ	U+127A			
c + a	ヂ	U+127B			
continue	continued on next page				

continued from previous page				
c + E	舌	U+127C		
С	ች	U+127D		
c + o	¥	U+127E		
c + W	玊	U+127F		
c + W + a	玊	U+127F		
' + h + e	ጎ	U+1280		
' + h + u	ኍ	U+1281		
' + h + i	ኅ.	U+1282		
' + h + a	2	U+1283		
' + h + E	ኄ	U+1284		
' + h	ኅ	U+1285		
' + h + o	ኆ	U+1286		
' + h + We	To	U+1288		
' + h + W + u	ጕ	U+128D		
' + h + W + i	ጕ	U+128A		
' + h + W	ኋ	U+128B		
' + h + W + a	2	U+128B		
' + h + W + E	3.	U+128C		
' + h + W + '	ጕ	U+128D		
h + [h2] + e	7	U+1280		
h + [h2] + u	ኍ	U+1281		
h + [h2] + i	7.	U+1282		
h + [h2] + a	2	U+1283		
h + [h2] + E	15	U+1284		
h + [h2]	ጎ	U+1285		
h + [h2] + o	ኆ	U+1286		
h + [h2] + W + e	ት	U+1288		
h + [h2] + W + u	ኍ	U+128D		
h + [h2] + W + i	ኍ	U+128A		
h + [h2] + W h + [h2] + W + a	ኋ	U+128B		
I	ኋ <i>ኌ</i>	U+128B U+128C		
h + [h2] + W + E h + [h2] + W + '	ኍ	U+128D		
11 ' [112] ' W '	ን	U+120D U+1290		
	<u>,</u>	U+1290		
	፟	U+1291 U+1292		
n + 1 n + a	<u>ሩ</u>	U+1292		
n + E	ኔ	U+1293		
	3	U+1294 U+1295		
n n + o	ŕ	U+1296		
n + W	ኗ	U+1297		
n + W + a	ኗ	U+1297		
N + e	7	U+1298		
N + u	<u>፟</u>	U+1299		
continue		next page		

continued from previous page					
N + i	ኚ	U+129A			
N + a	ኛ	U+129B			
N + E	78	U+129C			
N	7	U+129D			
N + o	ኞ	U+129E			
N + W	ኟ	U+129F			
N + W + a	ኟ	U+129F			
е	አ	U+12A0			
[uU]	ሉ	U+12A1			
i	አ.	U+12A2			
[aA]	ላ	U+12A3			
E	ሌ	U+12A4			
I	እ	U+12A5			
[00]	አ	U+12A6			
e + a	ኧ	U+12A7			
e + e + e	ኧ	U+12A7			
k + e	ከ	U+12A8			
k + u	ኩ	U+12A9			
k + i	ኪ	U+12AA			
k + a	ካ	U+12AB			
k + E	ኬ	U+12AC			
k	h	U+12AD			
k + o	ኮ	U+12AE			
k + W + e	ሎ	U+12B0			
k + W + u	ኵ	U+12B0			
k + W + i	ኵ	U+12B0			
k + W	ሷ	U+12B0			
k + W + a	ኳ	U+12B0			
k + W + E	ኴ	U+12B0			
k + W + '	ኵ	U+12B0			
' + k + e	Ήĭ	U+????			
' + k + u	ħ.	U+????			
' + k + i	n.	U+????			
' + k + a	Ħ	U+????			
' + k + E	ħ.	U+????			
' + k	Ħ	U+????			
' + k + o	Ħ	U+????			
k + 2 + e	ų	U+????			
k + 2 + u	#	U+????			
k + 2 + i	n.	U+????			
k + 2 + a	អ	U+????			
k + 2 + E	n.	U+????			
k + 2	ห	U+????			
k + 2 + o	Ħ	U+????			
continu	ed on	$next\ page$			

continued fro	m pre	vious page		
K	ħ	U+12B8		
K + e	ሽ	U+12B9		
K + u	ዀ	U+12BA		
K + i	'n.	U+12BB		
K + a	ኸ	U+12BC		
K + E	ኼ	U+12BD		
K + o	ሽ	U+12BE		
K + e	ጥ	U+12C0		
K + u	ዀ	U+12C5		
K + W + i	ዅ	U+12C2		
K + W	ዃ	U+12C3		
K + W + a	ዃ	U+12C3		
K + W + E	ħ.	U+12C4		
K + M + ,	ዀ	U+12C5		
к + w + Х + e		U+????		
	ħ			
X + u X + i	作先的作	U+???? U+????		
	n.			
X + a	η	U+????		
X + E	Ü.	U+????		
X	'n	U+????		
X + 0		U+????		
[wW] + e	Ø	U+12C8		
[wW] + u	a ,	U+12C9		
[wW] + i	P.	U+12CA		
[wW] + a	φ m	U+12CB		
[wW] + E	B	U+12CC		
[wW]	æ.	U+12CD		
[wW] + o	p	U+12CE		
' + e	0	U+12D0		
' + u	O	U+12D1		
' + U	o	U+12D1		
' + i	ዒ	U+12D2		
' + a	ዓ	U+12D3		
' + A	9	U+12D3		
' + E	o _k	U+12D4		
' + I	Ò	U+12D5		
· + o	P	U+12D6		
' + 0	P	U+12D6		
e + [e2]	0	U+12D0		
u + [u2]	o	U+12D1		
U + [U2]	O·	U+12D1		
i + [i2]	ሚ	U+12D2		
a + [a2]	9	U+12D3		
A + [A2]	g	U+12D3		
continued on next page				
and page				

continued from p	reviou	is page
E + [E2]	o _b	U+12D4
I + [I2]	Ŏ	U+12D5
o + [o2]	P	U+12D6
0 + [02]	P	U+12D6
z + e	Н	U+12D8
z + u	H	U+12D9
z + i	H.	U+12DA
z + a	Н	U+12DB
z + E	њ	U+12DC
z	H	U+12DD
z + o	H	U+12DE
z + W	ዟ	U+12DF
z + W + a	ዟ	U+12DF
Z + e	H	U+12E0
Z + u	Ħ	U+12E1
Z + i	ዢ	U+12E2
Z + a	H,	U+12E3
Z + E	Ж	U+12E4
Z	Ť	U+12E5
Z + o	${m r}$	U+12E6
Z + W	Ľ	U+12E7
Z + W + a	Ľ	U+12E7
[yY] + e	የ	U+12E8
[yY] + u	Ŗ	U+12E9
[yY] + i	P.	U+12EA
[yY] + a	Ş	U+12EB
[yY] + E	ይ	U+12EC
[yY]	e	U+12ED
[yY] + o	ዮ	U+12EE
[yY] + W	ř	U+12EF
[yY] + W + a	ሾ	U+12EF
d + e	ደ	U+12F0
d + u	ዹ	U+12F1
d + i	ج,	U+12F2
d + a	ዳ	U+12F3
d + E	L o	U+12F4
d	ድ	U+12F5
d + o	ዾ	U+12F6
d + W	ደ.	U+12F7
d + W + a	ደ	U+12F7
D + e	ደ	U+12F8
D + u	ዹ	U+12F9
D + i	Pi.	U+12FA
D + a	ዺ	U+12FB
continue	d on i	next page

continued from p		is page
D + E	L o	U+12FC
D	ድ	U+12FD
D + o	e	U+12FE
D + W	ደ	U+12FF
D + W + a	Ś.	U+12FF
[jJ] + e	e	U+1300
[jJ] + u	Ą.	U+1301
[jJ] + i	Z.	U+1302
[jJ] + a	Ŗ	U+1303
[jJ] + E	ጀ	U+1304
[jJ]	Œ.	U+1305
[jJ] + o	Ø	U+1306
[jJ] + W	Ŗ,	U+1307
[jJ] + W + a	Ŗ,	U+1307
g + e	7	U+1308
g + u	ጉ	U+1309
g + i	7.	U+130A
g + a	2	U+130B
g + E	$\boldsymbol{\imath}$	U+130C
g	9	U+130D
g + o	ጎ	U+130E
g + W + e	γ_{\circ}	U+1310
g + W + u	ጕ	U+1310
g + W + i	ጕ	U+1312
g + W	3	U+1315
g + W + a	3	U+1313
g + W + E	, 2	U+1314
g + W + '	r	U+1315
' + g + e	7	U+????
' + g + u	7.	U+????
' + g + i	4	U+????
' + g + a	ኝ	U+????
' + g + E	¥	U+????
' + g +	न	U+????
' + g + o	それがなずぞ	U+????
g + 2 + e	7	U+????
g + 2 + u	γ.	U+????
g + 2 + i	Y	U+????
g + 2 + a	ኝ	U+????
g + 2 + E	¥	U+????
g + 2	न	U+????
g + 2 + o	×	U+????
G + e	ี่ ว่	U+1318
G + u	7	U+1319
continue	d on i	next page
		1 0

G + i 7 U+131A G + a 7 U+131B G + E 7 U+131D G + o 7 U+131E G + W + e 7 U+???? G + W + u 7 U+????? G + W + u 7 U+????? T + u 0 U+????? T + u 0 U+1320 T + u 0 U+1322 T + u 0 U+1323 T + u 0 U+1324 T + u 0 U+1325 T + w 0 U+1322 T + w 0 U+1328 C + u 0 U+1328 C + u 0 U+1328	continued fro	continued from previous page					
G + a j U+131B G + E j U+131D G + O j U+131D G + O j U+131E G + W + e j U+???? G + W + u j U+???? T + u m U+???? T + u m U+322 T + u m U+1323 T + u m U+1324 T + u m U+1324 T + u m U+1325 T + u m U+1327 T + w u U+1328 C + u u U+1328 C + u u U+1328 C + u u u U+1328 C + w u u U+1329							
G + E % U+131C G + o % U+131B G + W + e % U+???? G + W + u % U+???? T + e m U+???? T + e m U+???? T + e m U+1320 T + u m U+1322 T + a m U+1323 T + E m U+1324 T + W + a m U+1325 T + W + a m U+1327 T + W + a m U+1328 C + u m U+1329 C + u m U+1328 C + W + a m U+1329	G + a		U+131B				
G + 0	G + E		U+131C				
G + o 7 U+131E G + W + u 7 U+???? G + W + u 7 U+???? G + W + i 7 U+???? G + W + a 7 U+???? G + W + b 7 U+????? G + W + c 7 U+????? T + e 7 U+????? T + u 7 U+1320 T + w 9 U+1325 T + w 9 U+1327 C + e 6 U+1328 C + u 6 U+1328 C + w 6 U+1322 C + w 9 U+1322 C + w 9 U+1322		न	U+131D				
G + W + e % U+???? G + W + i % U+???? G + W + i % U+???? G + W + a % U+???? G + W + b % U+???? T + e m U+1320 T + i m U+1321 T + a m U+1322 T + a m U+1323 T + b m U+1324 T + w m U+1325 T + w m U+1326 T + W + a m U+1328 C + u m U+1329 C + w m U+1329 C + w m U+1329							
G + W + u The U+???? G + W + i The U+???? G + W + a The U+???? G + W + E The U+???? G + W + Y The U+???? T + e M U+1320 T + u M U+1321 T + i M U+1323 T + E M U+1324 T U+1325 M U+1324 T + W M U+1325 T + W + a M U+1327 T + W + a M U+1327 T + W + a M U+1328 C + u AB U+1328 C + a AB U+1328 C + a AB U+1328 C + W + a AB U+132B C + W + a AB U+132E C + W + a AB U+132F C + W + a AB U+1330 P + u AB U+1333 P + a AB U+1333 P + a AB U+13336 P + W + a AB	l						
G + W + i K U+???? G + W + a K U+???? G + W + B K U+???? G + W + B K U+???? G + W + B K U+???? T + e M U+1320 T + e M U+1321 T + i M U+1322 T + a M U+1323 T + E M U+1324 T + W M U+1325 T + W + a M U+1327 T + W + a M U+1327 C + e A U+1328 C + u A U+1328 C + a A U+1328 C + a A U+1329 C + a A U+1328 C + W A U+1328 C + W A U+1329 C + W	l						
G + W + B N U+???? G + W + E N U+???? G + W + E N U+???? T + e M U+1320 T + u M U+1321 T + i M U+1322 T + a M U+1323 T + E M U+1324 T U+1325 M U+1326 T + W + a M U+1327 U+1327 T + W + a M U+1327 C + e M U+1328 C + u M U+1328 C + u M U+1328 C + u M U+1328 C + e M U+1329 C + e M U+1328 C + e M U+1329 C + w M U+1329			1				
G + W + a 7 U+???? G + W + b 7 U+???? G + W + b 7 U+???? T + e M U+1320 T + u M U+1321 T + i M U+1322 T + a M U+1323 T + E M U+1324 T U+1325 U+1326 T + W M U+1327 T + W + a M U+1327 C + e M U+1328 C + u M U+1328 C + u M U+1328 C + a M U+1328 C + a M U+1328 C + a M U+1328 C + b U U+1328 C + w U U+1328 C + w U U+1328 C + w U U+1329 C + w U U+1328 C + w U U+1329 C + w U U+1329 C + w U U+1329 C + w U<							
G + W + E X U+????? G + W + ' Y U+????? T + e M U+1320 T + u M U+1321 T + i M U+1322 T + a M U+1323 T + E M U+1324 T P U+1325 T + W M U+1326 T + W M U+1327 C + e M U+1327 C + e M U+1328 C + u M U+1322 C + w M U+1325 C + w M U+1327 C + w M U+1327 C + w W	l						
G + W + ' K U+???? T + e M U+1320 T + u M U+1321 T + i M U+1322 T + a M U+1323 T + E M U+1324 T U+1325 M U+1325 T + W M U+1326 U+1327 T + W + a M U+1327 C + e M U+1328 C + u M U+1328 C + e M U+132D C + e M U+132F C + w M U+132F C + w M U+1330 P + u X U+1334							
T + e T + u T + u T + i T + i T + i T + a		у. Ж.					
T + u T + i T + i T + i T + i T + i T + a T + a T + E T + B T + C	I		1				
T + i T + a T + a T + a T + a T + E T	I						
T + a T + E T + E T + C							
T + E T	I						
T + 0							
T + 0 T + W T + W + a T +							
T + W + a							
T + W + a							
C + e C + u C + u C + u C + i C + a C + b C + a C + b C + a							
C + u C + i C + i C + a C + a C + a C + a C + B C + E C + B C + C							
C + i							
C + a							
C + E		-					
C + 0		_					
C + o							
C + W + a							
C + W + a 6D U+122F P + e 3 U+1330 P + u 3 U+1331 P + i 3 U+1332 P + a 3 U+1333 P + E 3 U+1334 P 4 U+1335 P + W 3 U+1336 P + W 3 U+1337 S + e 3 U+1338 S + u 3 U+1338 S + i 3 U+133B S + a 3 U+133C							
P + e							
P + u % U+1331 P + i % U+1332 P + a % U+1333 P + E % U+1334 P % U+1335 P + O % U+1336 P + W % U+1337 P + W + a % U+1337 S + e % U+1338 S + u % U+1339 S + i % U+133B S + a % U+133C							
P + i \$\frac{1}{4}\$ U+1332 P + a \$\frac{1}{4}\$ U+1333 P + E \$\frac{1}{4}\$ U+1334 P \$\frac{1}{4}\$ U+1335 P + O \$\frac{1}{4}\$ U+1336 P + W + a \$\frac{1}{4}\$ U+1337 S + e \$\frac{1}{4}\$ U+1338 S + u \$\frac{1}{4}\$ U+1339 S + i \$\frac{1}{4}\$ U+133B S + E \$\frac{1}{4}\$ U+133C							
P + a A U+1333 P + E A U+1334 P Y U+1335 P + o A U+1336 P + W A U+1337 P + W + a A U+1337 S + e X U+1338 S + u A U+1339 S + i A U+133B S + E X U+133C							
P + E % U+1334 P + O % U+1335 P + W % U+1337 P + W + A % U+1337 S + E % U+1338 W U+1339 % U+1339 W U+133B % U+133B W U+133C % U+133C	P + i						
P \$\frac{1}{3}\$ <	P + a						
P + o A U+1336 P + W A U+1337 P + W + a A U+1337 S + e A U+1338 S + u A U+1339 S + i A U+133A S + a A U+133B S + E A U+133C	P + E						
P + W \$\begin{align*}{cccccccccccccccccccccccccccccccccccc	P	ጵ	U+1335				
P + W + a \$\frac{1}{3}\$ U+1337 S + e \$\frac{1}{3}\$ U+1338 S + u \$\frac{1}{3}\$ U+1339 S + i \$\frac{1}{3}\$ U+133A S + a \$\frac{1}{3}\$ U+133B S + E \$\frac{1}{3}\$ U+133C	P + o		U+1336				
S + e X U+1338 S + u X U+1339 S + i X U+133A S + a X U+133B S + E X U+133C	P + W		U+1337				
S + u % U+1339 S + i % U+133A S + a % U+133B S + E % U+133C	P + W + a		U+1337				
S + i % U+133A S + a % U+133B S + E % U+133C	S + e	8	U+1338				
S + a	S + u	ጹ	U+1339				
S + E % U+133C	S + i	Я.	U+133A				
	S + a	8	U+133B				
continued on next page	S + E	ጼ	U+133C				
	continu						

continued from previou	us pag	
S	ጽ	U+133D
S + o	8	U+133E
S + W	8.	U+133F
S + W + a	8.	U+133F
' + S + e	в	U+1340
' + S + u	ø.	U+1341
' + S + i	2	U+1342
' + S + a	9	U+1343
' + S + E	8	U+1344
' + S	Ò	U+1345
' + S + o	P	U+1336
' + S + W	8.	U+133F
' + S + W + a	8.	U+133F
S + [S2] + e	θ	U+1340
S + [S2] + u	ው	U+1341
S + [S2] + i	٩.	U+1342
S + [S2] + a	9	U+1343
S + [S2] + E	g	U+1344
S + [S2]	ð	U+1345
S + [S2] + o	P	U+1346
S + [S2] + W	3.	U+133F
S + [S2] + W + a	Š.	U+133F
[fF] + e	6.	U+1348
[fF] + u	4.	U+1349
[fF] + i	b	U+134A
[fF] + a	4	U+134B
[fF] + E	l _o	U+134C
[fF]	ፍ	U+134D
[fF] + o	G.	U+134E
[fF] + W + e	G.	U+????
[fF] + W + u	6	U+????
[fF] + W + i	ひだ	U+????
[fF] + W	外头	U+134F
	ະ ፏ	U+134F
- E - E		U+????
	<i>ዄ</i>	
L113 . # .	ሯ	U+????
[fF] + Y	ጆ	U+135A
[fF] + Y + a	ፚ	U+135A
p + e	T	U+1350
p + u	Ŧ	U+1351
p + i	T	U+1352
p + a	J.	U+1353
p + E	T	U+1354
p	Т	U+1355
continue	d on i	next page

continued from	previo	ous page
p + o	1	U+1356
p + W + e	Ъ	U+????
p + W + u	Ŧ	U+????
p + W + i	Ŧ	U+????
p + W	Ţ	U+1357
F	T	U+1357
F	Ţ Ţ	U+????
	Ť	U+????
p + W + '	1,	01::::
, + ,	,	U+0027
: +:	;;	U+1362
: +: +:	:	U+003A
	;;	U+1300
. + .		U+????
. + . + .		U+002E
	· In	U+1363
, , + .		U+002C
, ,	- [m]	U+1364
; ; + ;		U+003B
, ' ,	· 🖦	U+1365
' .	:-	U+1366
: + -	;	U+1361
•	*	U+1361
1 4	:::	U+1300 U+122A
+ *		U+122A U+1368
: + + :	:::	
?	۰. ۰	U+????
? + ? ' + ?		U+1367
' ·	•••	U+1367
? + ? + ?	?	U+1367
< + <	«	U+????
> + >	>>	U+????
' + !	ויסג נפג נודי נם	U+????
' + 1	ģ	U+1369
' + 2	ĕ	U+136A
' + 3	Ĕ	U+136B
' + 4		U+136C
' + 5	ሯ	U+136D
' + 6	Ä	U+136E
' + 7	Ĩ,	U+136F
' + 8	Ä	U+1370
' + 9	יקוניפיניתניתנית המנהי ורניתר	U+1371
' + 1 + 0	Ĭ	U+1372
' + 2 + 0	蒼	U+1373
' + 3 + 0	Ä	U+1374
continue	d on i	next page

cc	continued from previous page											
ſ	+	4	+	0							Ŋ	U+1375
ť	+	5	+	0							Я	U+1376
ť	+	6	+	0							भू ज्यस्य ख	U+1377
ť	+	7	+	0							Ē	U+1378
ť	+	8	+	0							Ħ Į	U+1379
ť	+	9	+	0							7	U+137A
ı	+	1	+	0	+	0					Ř	U+137B
ť	+	1	+	0	+	0	+	0			ĨĔ	U+1372 + U+137B
í	+	1	+	0	+	0	+	0	+	0	鲆	U+137C

Event Ordered Ethiopic IM Table

Sequence	Character	Unicode Address
h	บ	U+1205
り + e	υ	U+1200
v + u	v	U+1201
υ + i	ч.	U+1202
v + a	7	U+1203
υ + E	L.	U+1204
v + 0	v	U+1206
v + W	ኋ	U+128B
ប + [h2]	ጎ	U+1285
ጎ + e	ጎ	U+1280
ጎ + u	ኍ	U+1281
7 + i	1.	U+1282
1 + a	う	U+1283
ጎ + E	ኄ	U+1284
ጎ + 0	-Go	U+1286
1 + W	ኋ	U+128B
ኋ + e	Jo.	U+1288
ጎ + u	ኍ	U+128D
ኋ + i	ኍ	U+128A
ኋ + a	ኋ	U+128B
ス + E	3.	U+128C
[1L]	A	U+120D
A + e	Λ	U+1208
A + u	ሉ	U+1209
A + i	ሲ	U+120A
A + a	ሳ	U+120B
A + E	y	U+120C
A + 0	y _o	U+120E
y + M	ሏ	U+120F
	con	tinued on next page

continued	from	previous page
<u>ሲ</u> + a	ሷ	U+120F
Н	ሕ	U+1215
ሕ + e	ф	U+1210
ሕ + ս	ሑ	U+1211
ሕ + i	А,	U+1212
ሕ + a	ժի	U+1213
ሕ + E	њ	U+1214
ሕ + ∘	ф	U+1216
ሕ + ∀	ሗ	U+1217
- д + а	ሗ	U+1217
[mM]	go	U+121D
9 ⁰ + e	σv	U+1218
9 ⁰ + u	ØD⁴	U+1219
9 0 + i	øg.	U+121A
<i>g</i> v + a	øg	U+121B
9 0 + E	ø	U+121C
g v + 0	qъ	U+121E
9 0 + W	ø g	U+121F
<i>™</i> 7 + e	ØD•	U+????
″7 + u	ም	U+????
″7 + i	ምላ	U+????
9 ⁰ + a	ø g	U+121F
″ 7 + E	Ŋ	U+????
~7 + '	ምላ	U+????
9 10 + Y	ðģ	U+1358
<i>ŏ</i> ¶ + a	ðģ	U+1358
[rR]	C	U+122D
C + e	۲.	U+1228
C + u	ሩ	U+1229
C + i	Ŀ	U+122A
C + a	Ŀ	U+122B
C + E	lo	U+122C
C + 0	C	U+122E
C + W	Z.	U+122F
C + a	Z.	U+122F
C + Y	\mathcal{Z}	U+1359
% + a	\mathcal{Z}	U+1359
S	ስ	U+1235
n + e	Ų	U+1230
Ո + ս	ሱ	U+1231
n + i	Λ.	U+1232
n + a	ሳ	U+1233
∩ + E	ሴ	U+1234
n + ∘	e	U+1236

continued fr		evious page
v + M	ሏ	U+1237
1 + a	ሷ	U+1237
ជ់ + [s2]	p	U+1225
/" + e	w	U+1220
/" + u	W.	U+1221
/" + i	ખ.	U+1222
<i>/</i>	ખ	U+1223
/" + E	ь	U+1224
/• + ∘	r	U+1226
→ + ₩	ጧ	U+1227
"【 + a	7	U+1227
X	Ų	U+123D
1 + e	ų.	U+1238
7 + u	ሹ	U+1239
7 + i	ñ.	U+123A
1 + a	ሻ	U+123B
7 + E	<u>መ</u>	U+123C
ሽ + ∘	'n	U+123E
n + ₩	ሿ	U+123F
് + a	ሿ	U+123F
q	ቅ	U+1245
∳ + e	ф	U+1240
ቅ + u	ф	U+1241
ቅ + i	ቂ	U+1242
ቅ + a	ச	U+1243
ቅ + E	ф	U+1244
ቅ + 0	ቆ	U+1246
ቅ + ₩	虫	U+124B
ቋ + e	ቈ	U+1248
ቋ + u	ቀላ	U+124D
4 + i	ቀч	U+124A
弁 + a	卑	U+124B
ቋ + E	ቌ	U+124C
字 + '	ቀኣ	U+124D
4 + 2	Ť	U+????
~~ + e	¥	U+????
~ + ս	4	U+????
🍎 + i	Æ	U+????
~} + a	Þ	U+????
≱ + E	Æ	U+????
* + °	_₹ ₩₩₩₩₩₩	U+????
Q	ቅ	U+1255
⊅ + e	ቐ	U+????
+ e + u + + i + a + E + e + t + u	4	U+1251

continued from	n prev	ious page
7 + i	Æ	U+1252
7 + a	F	U+1253
⊅ + E	ቒ	U+1254
ቕ + o	ቖ	U+1256
4 + ₩	ቛ	U+125B
英 + e	Æ	U+1258
第 + u	ж .	U+125D
第 + i	ቝ፟፟	U+125A
第 + a	Ą	U+125B
オ + E	Ŧ	U+125C
資 + ⁻	 ቝ	U+125D
[bB]	1	U+1265
	n	U+1265
	ቡ መ	U+1260
11 + u 11 + i	Ω.	U+1261 U+1262
11 + a	ባ	U+1262 U+1263
10 + E	ቤ	U+1264
10 + o	ր	U+1266
10 + W	ቧ	U+1267
Q + e	e e	U+????
Q + u	ቡ	U+????
Q + i	U r-	U+????
1 + W + a	<u>й</u>	U+1267
11 + W + E	J.	U+????
1 + W + '	ቡ	U+????
[vV]	11	U+126D
1 ที่ + e	ij	U+1268
ที่ + น	ቩ	U+1269
ที่ + i	Ħ.	U+126A
1 1 + a	ቯ	U+126B
ี่ที่ + E	Ų.	U+126C
ন + ∘	Ų	U+126E
11 + ₩	. ICICI 4	U+126F
Й + а	Й	U+126F
t	ት	U+1275
ት + e	ተ	U+1270
ት + u	本	U+1271
ት + i	t:	U+1272
ት + a	ታ	U+1273
ት + E	ቴ	U+1274
ት + 0	ቶ	U+1276
ተ + ₩	土	U+1277
力 + a	生	U+1277
С	矛	U+127D
continue	ed on 1	next page

continued from		vious page
ች + e	干	U+1278
ች + u	干	U+1279
ች + i	モ	U+127A
ች + a	チ	U+127B
ች + E	舌	U+127C
ች + o	¥	U+127E
ች + W	歪	U+127F
賽 + a	歪	U+127F
n n	3	U+1295
7 + e	ን	U+1290
7 + u	7-	U+1291
7 + i	ኢ	U+1292
7 + a	ና	U+1293
7 + E	ኔ	U+1294
ን + 0	q	U+1296
7 + W	ኗ	U+1297
ኗ + a	ኗ	U+1297
N	7	U+129D
≯ + e	7	U+1298
7 + u	ኙ	U+1299
芳 + i	ኚ	U+129A
7 + a	ር	U+129B
7 + E	78	U+129C
· 子 + °	76	U+129E
7 + ₩	ኟ	U+129F
፫ + a	ĝ	U+129F
e a	እ	U+12A0
[uV]	ሉ	U+12A1
i	ኢ	U+12A2
- [aA]	ኣ	U+12A3
E	ሌ	U+12A4
I	ሕ	U+12A5
[00]	አ	U+12A6
አ + a	ኧ	U+12A7
አ + [e2]	O	U+12D0
ሉ + [uV2]	o	U+12D1
ኢ + [i2]	ሚ	U+12D2
አ + [aA2]	ዓ	U+12D3
ኤ + [E2]	ď	U+12D4
አ + [I2]	Ò	U+12D5
አ + [o02]	P	U+12D6
k	h	U+12AD
h + e	ከ	U+12A8
h + u	ኩ	U+12A9
continue	ed on	next page

continued	from	previous page
h + i	ኪ	U+12AA
h + a	ከ	U+12AB
h + E	ኬ	U+12AC
h + 0	ኮ	U+12AE
b , + e	ሎ	U+12B0
) + ս	ኵ	U+12B0
b + i	իኣ	U+12B0
h + W	þ,	U+12B0
р + а	ŋ	U+12B0
) + E	ŋ,	U+12B0
р + ⁻	ŕ	U+12B0
$\frac{1}{n}$ + 2	 N	U+????
រា + e	'n	U+????
242	幣	U+????
打 + u 뛹 + i	從	U+????
	竹	U+????
粁 + a 粁 + E	น	U+????
	1Ь 17	
新 + 。	ħ	U+????
К ћ + е	'n	U+12B8
		U+12B9
n + u	ዅ	U+12BA
h + i	'n.	U+12BB
1 + a	ሽ	U+12BC
n + E	ዀ	U+12BD
n + ∘	ή	U+12BE
ທ + e	ዀ	U+12C0
Ծ + ս	ጉ	U+12C5
6 + i	ዀ	U+12C2
ኽ + ₩	፞ዃ	U+12C3
ή ή + a	፞ዃ	U+12C3
ή + E	ዄ	U+12C4
' ሷ + '	ኩ	U+12C5
Х	ħ	U+????
% i + e	ħ ħ	U+????
省 + u	ħ.	U+????
育 + i	ħ	U+????
% † + a	ή	U+????
省 + E	ħ	U+????
% + ∘	节	U+????
[wW]	æ.	U+12CD
Ø • + e	æ	U+12C8
Ø • + u	æ.	U+12C9
Ø ⁴ + i	P.	U+12CA
Ø ⁴ + a	P	U+12CB
con	tinuec	l on next page

continued	from	previous page
Ø • + E	B	U+12CC
O • + 0	P	U+12CE
z	H	U+12DD
11 + e	Н	U+12D8
Ή + ս	H	U+12D9
H + i	H.	U+12DA
11 + a	Н	U+12DB
11 + E	њ	U+12DC
7 1 + 0	н	U+12DE
11 + W	<u>н</u>	U+12DF
H + a	я́.	U+12DF
	Ŷ	
Z Xa		U+12E5
ች + e	W	U+12E0
¥7 + u	Ħ	U+12E1
Ý + i	ዢ	U+12E2
沂 + a	H	U+12E3
* + E	Ж	U+12E4
ॅ f + ∘	γr	U+12E6
* + W	ц	U+12E7
ዧ + a	Ý	U+12E7
[yY]	e	U+12ED
ß + e	P	U+12E8
ß + u	Ŗ	U+12E9
e + i	R	U+12EA
, c + a	g	U+12EB
,e + E	R	U+12EC
e + 0	p.	U+12EE
e + W	7	U+12EF
7 + a	ġ	U+12EF
d	ድ	U+12F5
દ + e	e	U+12F0
e + u	ዱ	U+12F1
e + i	Ą,	U+12F2
e + a	g	U+12F3
e + E	e o	U+12F4
£ + 0	e.	U+12F6
e + w	ዿ	U+12F7
£ + a	ዷ	U+12F7
D D	é	U+12FD
A	e	U+12F8
	杂	U+12F8 U+12F9
	٠ بر	
A	4. 4	U+12FA
		U+12FB
⋟ + E	Ļ o	U+12FC

continued from previous page				
¢ + 0	ዾ	U+12FE		
欠 + ₩	<u>ķ</u> ,	U+12FF		
ķ , + a	ġ,	U+12FF		
[jJ]	E	U+1305		
∦ + e	e	U+1300		
% + u	ę.	U+1301		
E + i	Z.	U+1302		
१ + a	Ŗ	U+1303		
₹ + E	E	U+1304		
X + 0	ø	U+1306		
Æ + ₩	Ŗ,	U+1307		
70	Ŗ,	U+1307		
	9	U+1307 U+130D		
g 9 + e	i	U+130B		
¶ + e ¶ + u	ኍ	U+1308		
7 + i	7	U+130A		
7 + a	7. 9	U+130B		
7 + E	ī	U+130E		
9 + 0	ำ	U+130E		
9 + W	3	U+1315		
3 + e	<i>7</i> 0	U+1310		
3 + u	7.	U+1310		
3 + i	7.	U+1312		
7 + a	3	U+1313		
3 + E	3	U+1314		
3 + ·	r	U+1315		
9 + 2	可	U+????		
ு + e	์ วั	U+????		
் + u	7.	U+????		
7 + i	Ť.	U+????		
் + a	3	U+????		
♂ + E	7	U+????		
1 + 0	えがえずずず	U+????		
4 + ∘ G	ল	U+131D		
ੀਂ + e	7	U+1318		
់ + u	ጉ	U+1319		
7 + i	7.	U+131A		
7 + a	ゔ	U+131B		
9 + E	ï	U+131C		
河 + °	7	U+131E		
∮ + ₩	3	U+????		
∄ + e	ዀ	U+????		
🗿 + u	γ	U+????		
3 + i	<u> 7.</u>	U+????		
continued on next page				

continued from previous page					
75 + a	3	U+????			
7 + E	7	U+????			
7 + 1 · 1	Ŕ	U+????			
T	T T	U+1325			
↑ + e	M	U+1320			
T + u	ጡ	U+1321			
T + i	ጠ.	U+1322			
T + a	η	U+1323			
1 + E	<u>.</u> ሔ	U+1324			
T + 0	W.	U+1326			
T + W	Д	U+1327			
ጧ + a	Д	U+1327			
ஓ	கு	U+132D			
ு + e	க	U+1328			
470 + u	ക	U+1329			
47° + i	ஆ	U+132A			
ழு + a	கு	U+132B			
6 Pr + E	ക	U+132C			
ஷ ு + ௦	€ Bb-	U+132E			
6 Pr + ₩	வ	U+132F			
டை + a	வ	U+122F			
P	ጵ	U+1335			
ጵ + e	Å	U+1330			
ጵ + u	ጱ	U+1331			
ጵ + i	ጰ.	U+1332			
於 + a	ጳ	U+1333			
ጵ + E	ጴ	U+1334			
ጵ + °	ጰ	U+1336			
ጵ + ₩	名.	U+1337			
ጰ + a	久 、	U+1337			
S	ጽ	U+133D			
% + e	8	U+1338			
% + u	ጹ	U+1339			
% + i	Я.	U+133A			
% + a	8	U+133B			
% + E	8	U+133C			
% + 0	8	U+133E			
% + W	3 .	U+133F			
8 ₄ + a	3 .	U+133F			
% + 2	ð	U+1345			
ð + e	Ø	U+1340			
0 + u	e e	U+1341			
0 + 1	9 .	U+1342			
ð + a	9	U+1343			
continued on next page					

continued fro	m pr	evious page
Ø + E	9	U+1344
b + 0	P	U+1336
6 + W	Ą.	U+133F
[fF]	ç.	U+134D
F + e	6.	U+1348
F + u	4.	U+1349
F + i	b	U+134A
F + a	4	U+134B
ፍ + E	do	U+134C
ች † ይ ፍ + o	6	U+134E
l _		U+134E
	矢	
先 + e	æ	U+????
矢 + u	6.	U+????
矢 + i	æ	U+????
矢 + a	矢	U+134F
矢 + E	Ŀ	U+????
矢 + '	6	U+????
F + Y	T	U+135A
‰ + a	ፚ	U+135A
P	T	U+1355
T + e	T T	U+1350
T + u	F	U+1351
T + i	T.	U+1352
T + a	T	U+1353
T + E	Т	U+1354
T + 0	7	U+1356
T + W	T 人工下下下工工	U+1357
ℐ + e	F	U+????
Τ + u Τ + i Τ + a Τ + E Τ + '	F	U+????
## i	F	U+????
<i>J</i> + a	7	U+1357
ℐ+ E	Ţ	U+????
I I + '	Ŧ	U+????
,		
' + '	,	U+0027
: + :	#	U+1362
#+ :	:	U+003A
; + -	:-	U+1366
; + + :	:::	U+1368
	#	U+1300
# + .		U+????
. + .		U+002E
,	7	U+1363
7 + ,	,	U+002C
continu	ied oi	next page

continued fr		
<u>;</u>	ļ	U+1364
I + ;	;	U+003B
- + :	+	U+1365
:	;	U+1361
	*	U+1368
+ *	:::	U+122A
?	3	U+????
; + ;	:	U+1367
+ ?	?	U+1367
< + <	«	U+????
> + >	>>	U+????
ľ	(U+0060
' + ?	:	U+1367
' + !	i	U+????
' + h	ኅ	U+1285
' + s	p	U+1225
' + q	Ť	U+????
' + k	Ħ	U+????
' + e	0	U+12D0
' + [uV]	O	U+12D1
' + i	ሚ	U+12D2
' + [aA]	9	U+12D3
' + E	o _b	U+12D4
' + I	Ò	U+12D5
' + [o0]	P	U+12D6
'g +	可	U+????
' + S	ð	U+1345
' + 1	ש נסנ נשנ נבר נסנ אנו נאנ נאנ ואנ	U+1369
' + 2	ê	U+136A
' + 3	Ê	U+136B
· + 4	ô	U+136C
' + 5	Ž	U+136D
' + 6	รื่	U+136E
' + 7	$\hat{m{\imath}}$	U+136F
' + 8	ź	U+1370
' + 9		U+1371
	7	
b + 0	人	U+1372
g + 0	Ä	U+1373
Ç + 0	ស្ត	U+1374
Ø + 0	Ŋ	U+1375
द्व + 0	Ä	U+1376
% + 0	ጟ	U+1377
	ک رہے بھر بہر ہے۔ ہے۔ ہے بہر بھر ہور ہے۔	U+1378
A + 0	Ĥ	U+1379
	Ä	011319

continued from previous page		
9 + 0	Ĩ	U+137A
1 + 0	ĕ	U+137B
克 + 0	ğğ	U+136A + U+137B
 	:	:
7 + 0	ğğ	U+1371 + U+137B
? + 0	ΪĞ	U+1372 + U+137B
I? + 0	鲆	U+137C