

Problem 5.

Phan Rang Cham:

(...)	D (V L)	V	(C)
		V̇	

- both syllables
 - $\{*\mathbf{b}, *\mathbf{d}, *\mathbf{g}, *\mathbf{j}\} > \{\mathbf{p}, \mathbf{t}, \mathbf{k}, \mathbf{c}\}$
 - $\mathbf{NV} > \mathbf{Ni}$
 - $\mathbf{V:} > \mathbf{V}$
- penultimate syllable
 - $*\mathbf{?V} > \mathbf{V}$
 - $*\mathbf{lV} > \mathbf{li}$
 - $*\mathbf{bV(h)L} > \mathbf{pil}$
 - otherwise $\mathbf{CV(V)} > \mathbf{Ca}$
 - $\mathbf{-h} > \emptyset$
- final syllable
 - $*\mathbf{s} > \mathbf{th}$
 - $\{*\mathbf{p}, *\mathbf{t}, *\mathbf{k}\} > \mathbf{?}$

Tsat:

... h	... ay	... aN
\emptyset^{55}	$\mathbf{a:i?^{42}}$	$\mathbf{a:n?^{42}}$
Proto-Chamic	... T	...({N, w, y})
+D	$\mathbf{?^{42}}$	$\mathbf{11}$
–D	$\mathbf{?^{24}}$	$\mathbf{33}$

- $\{*\mathbf{b}, *\mathbf{p}, *\mathbf{g}\} (\mathbf{V}) \{*\mathbf{l}, *\mathbf{r}\} > \{\mathbf{ph}, \mathbf{p}, \mathbf{kh}\}\mathbf{i}$
- otherwise the penultimate syllable is lost
- final syllable
 - $\{*\mathbf{b}, *\mathbf{d}, *\mathbf{g}\}\mathbf{-} > \{\mathbf{ph}, \mathbf{th}, \mathbf{kh}\}\mathbf{-}$
 - $*\mathbf{r}\mathbf{-} > \mathbf{z}\mathbf{-}$
 - $\{*\mathbf{ow}, *\mathbf{ey}\} > \{\mathbf{ə}, \mathbf{ai}\}$

V is a vowel. C is a consonant. D is a voiced consonant (**b, d, j**). T is a voiceless consonant (**k, t, ?**). N is a nasal consonant (**m, n, ŋ**). L $\in \{\mathbf{l}, \mathbf{r}\}$.

(a) $*\mathbf{phia}^{11}$.

(b)

Proto-Chamic	Phan Rang Cham	Tsat	meaning
$*\mathbf{kulit}$	kali?	(1) $\mathbf{li?^{24}}$	<i>skin</i>
$*\mathbf{hitam}$	hatam	(2) $\mathbf{ta:n?^{42}}$	<i>black</i>
$*\mathbf{bubah}$	papàh	(3) \mathbf{pha}^{55}	<i>mouth</i>
$*\mathbf{?ikat}$	(4) ika?	(5) $\mathbf{ka?^{24}}$	<i>to tie</i>
$*\mathbf{dəpa}$	(6) tapa	(7) \mathbf{pa}^{11}	<i>fathom</i>
$*\mathbf{matay}$	(8) mitay	(9) $\mathbf{ta:i?^{42}}$	<i>to die</i>
$*\mathbf{dalam}$	(10) talàm	(11) $\mathbf{la:n?^{42}}$	<i>inside</i>
$*\mathbf{labuh}$	(12) lipùh	(13) \mathbf{phu}^{55}	<i>to fall down</i>
$*\mathbf{bula:n}$	(14) pilàn	(15) $\mathbf{phia:n}^{11}$	<i>moon</i>
	pala	(16) \mathbf{pia}^{33}	<i>to plant</i>
	tapùh	(17) \mathbf{phu}^{55}	<i>to ransom</i>
	tatà	(18) \mathbf{tha}^{11}	<i>chest</i>