

BYZANTINE MUSIC FORMULAE

Plagal Second Mode - Verses (Hard Chromatic)

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Key:

1 = accented syllable

0 = unaccented syllable

X = syllable that may be either
accented or unaccented

Variations of the same formula
are indicated in color

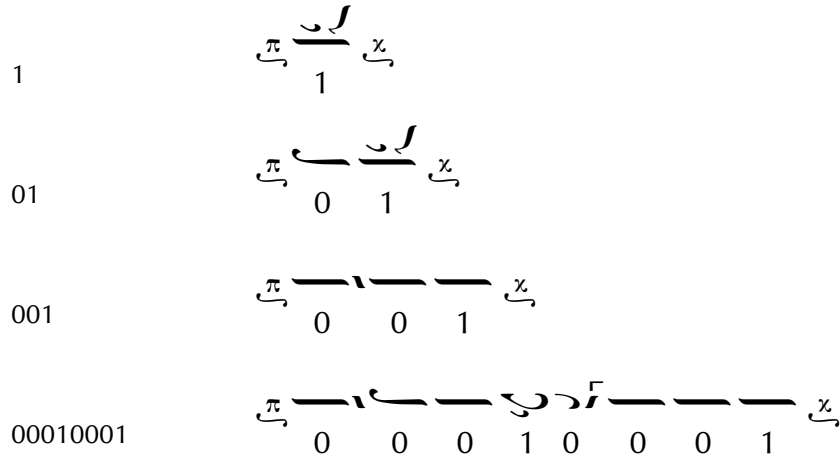
* The Byzantine music formulae herein were extracted from all the verses found in the *Zoe Anastasimatarion* (14th edition, 2002), the *Anastasimatarion* of Petros Peloponnesios (Mousike Bibliothek), the *Neon Anastasimatarion* by Petros Ephesios (1820 edition), and *Mousike Pandekte* by Ioannis Lampadarios and Stephanos the 1st Domestikos (1851 edition). These formulae are applicable only to the brief verses (that are not immediately followed by troparia) of Psalms 140, 141, and 129 chanted in the beginning of Vespers immediately after "Lord I Have Cried"; the brief verses of Psalms 148, 149, and 150 chanted in Orthros immediately after "Let Every Breath"; and the hard chromatic doxology from Pa.

Plagal Second Mode - Verses (Hard Chromatic)

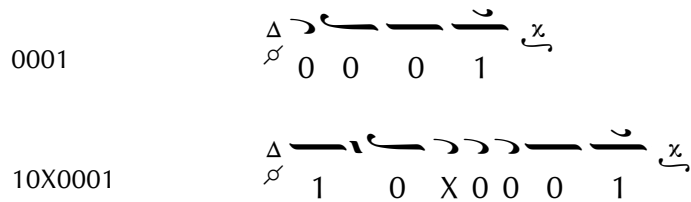
A) Cadences on Ke

Accented on last syllable:

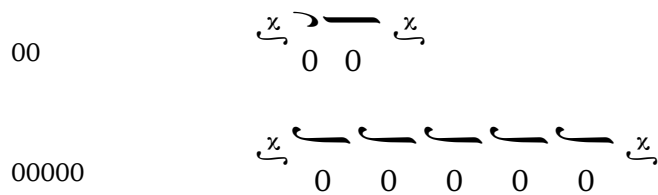
From Pa



From Di

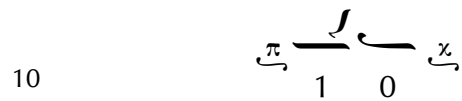


From Ke



Accented on second to last syllable:

From Pa



Plagal Second Mode - Verses (Hard Chromatic)

π χ
 1 0

010 π χ
 0 1 0

0010 π χ
 0 0 1 0

π χ
 0 0 1 0

X010 π χ
 X 0 1 0

X0010 π χ
 X 0 0 1 0

0010010 π χ
 0 0 1 0 0 1 0

10100010 π χ
 1 0 1 0 0 0 1 0

000100010 π χ
 0 0 0 1 0 0 0 1 0

From Di

0010 Δ χ
 ρ 0 0 1 0

Δ χ
 ρ 0 0 1 0

From Ke

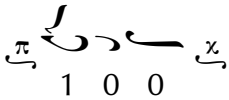
100010 χ χ
 1 0 0 0 1 0

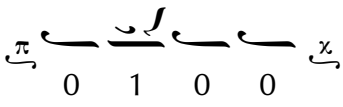
010X010 χ χ
 0 1 0 X 0 1 0

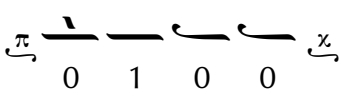
Plagal Second Mode - Verses (Hard Chromatic)

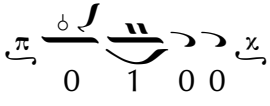
Accented on third to last syllable:

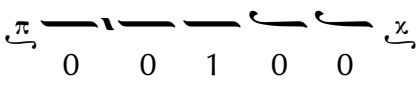
From Pa

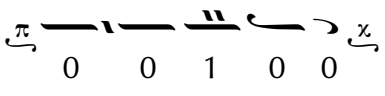
100 

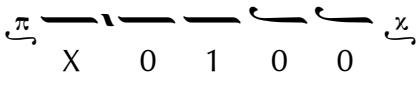
0100 

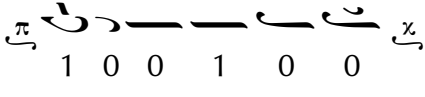


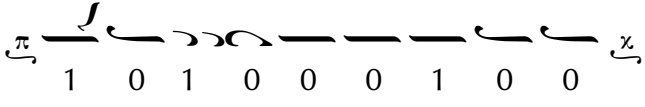


00100 




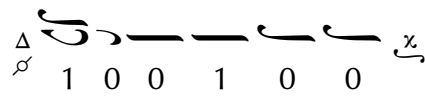
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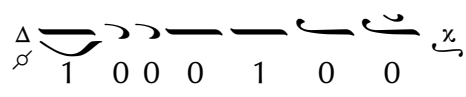
100100 

101000100 

From Di

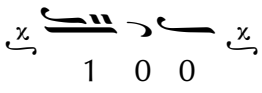
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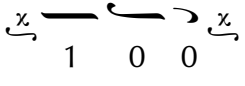
100100 


1000100 

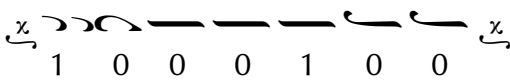
Plagal Second Mode - Verses (Hard Chromatic)

From Ke

100 

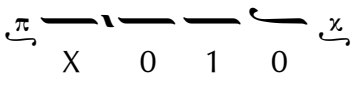


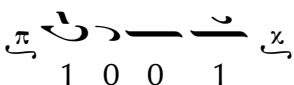
0100 


1000100 

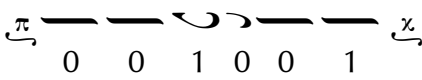
Accented on fourth to last syllable:

From Pa

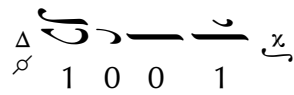
X010 

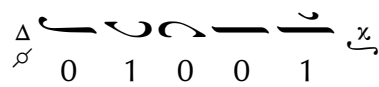
1001 

01001 

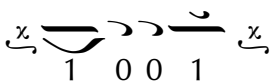
001001 

From Di


1001 

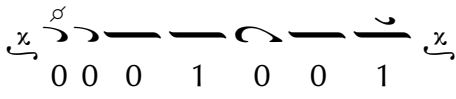
01001 

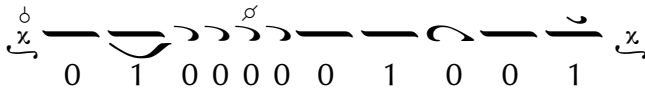
From Ke

1001 

Plagal Second Mode - Verses (Hard Chromatic)

01010 

0001001 

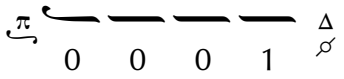
0100001001 

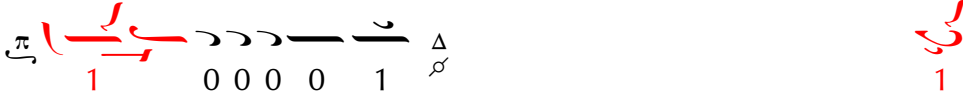
Plagal Second Mode - Verses (Hard Chromatic)

B) Cadences on Di

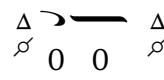
Accented on last syllable:

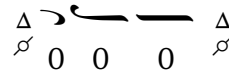
From Pa

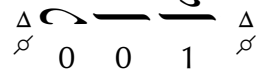
0001 

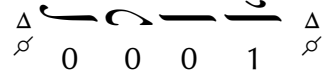
100001 

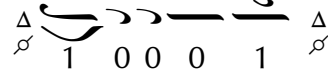
From Di

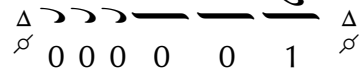
00 

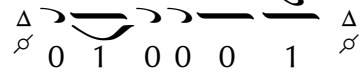
000 

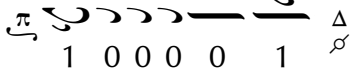
001 

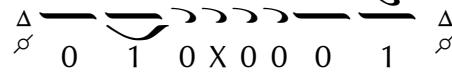
0001 

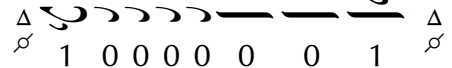
10001 

000001 

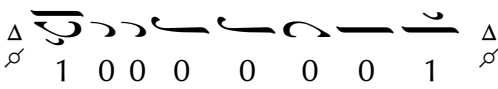
010001 

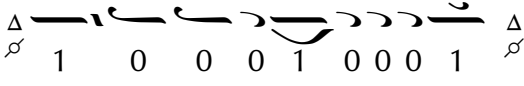
100001 

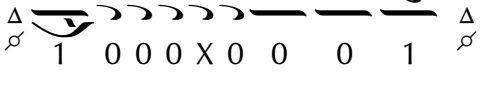
010X0001 


10000001 

Plagal Second Mode - Verses (Hard Chromatic)

Δ

 1 0 0 0 0 0 0 1 Δ

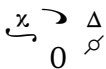
Δ

 1 0 0 0 1 0 0 0 1 Δ

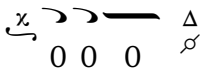
Δ

 1 0 0 0 X 0 0 0 1 Δ

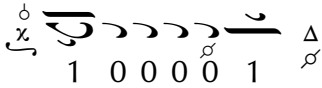
Δ

 1 0 1 0 1 0 0 0 0 1 Δ



From Ke

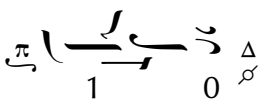
Δ

 0 Δ

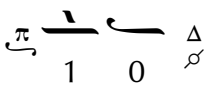
Δ

 0 0 0 Δ

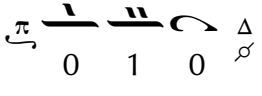
Δ

 1 0 0 0 0 1 Δ

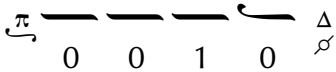
Accented on second to last syllable:

From Pa

Δ

 1 0 Δ

Δ

 1 0 Δ

Δ

 0 1 0 Δ

Δ

 0 0 1 0 Δ

From Di

Plagal Second Mode - Verses (Hard Chromatic)

10		
	Δ ρ 1 0 ρ	
	Δ ρ 1 0 ρ	
0010		
	Δ ρ 0 0 1 0 ρ	
000010		
	Δ ρ 0 0 0 0 1 0 ρ	1 0
010010		
	Δ ρ 0 1 0 0 1 0 ρ	1 0 0
	Δ ρ 0 1 0 0 1 0 ρ	
0010010		
	Δ ρ 0 0 1 0 0 1 0 ρ	
000X010		
	Δ ρ 0 0 0 X 0 1 0 ρ	
	Δ ρ 0 0 0 X 0 1 0 ρ	
0100010		
	Δ ρ 0 1 0 0 0 1 0 ρ	1 0
100X010		
	Δ ρ 1 0 0 X 0 1 0 ρ	
0100X010		
	Δ ρ 0 1 0 0 X 0 1 0 ρ	
<u>From Ke</u>		
100010		
	Δ ρ 1 0 0 0 1 0 ρ	1

Plagal Second Mode - Verses (Hard Chromatic)

110010		
0100010		
01000010		
10000010		

Accented on third to last syllable:

From Pa

100		
0100		

Plagal Second Mode - Verses (Hard Chromatic)

0100		
11100		
000100		
100100		
1000100		
10100100		
001000100		

From Ke

100	

Plagal Second Mode - Verses (Hard Chromatic)

0100	
10100	
100100	
1X0100	
0100100	
1000100	
1010100	
01000100	

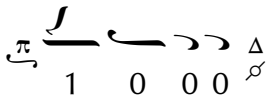
0 0 0

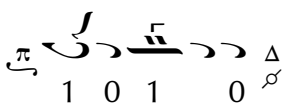
1 0 0

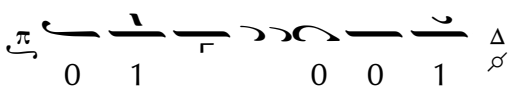
Accented on fourth to last syllable:

From Pa

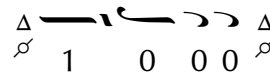
Plagal Second Mode - Verses (Hard Chromatic)

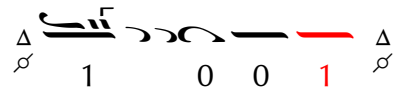
1000 

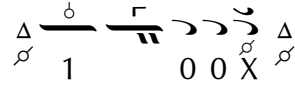
1010 


01001 


From Di

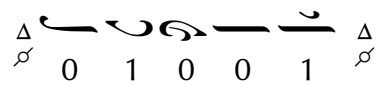
1000 

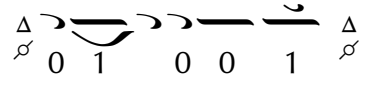
1001 

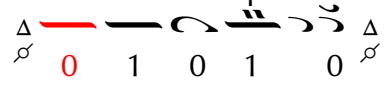
100X 

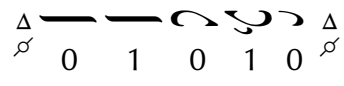
1X00 

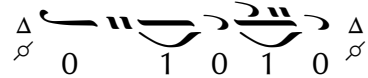
01000 

01001 

01001 

01010 

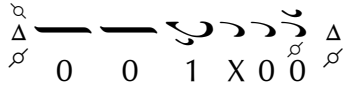
01010 

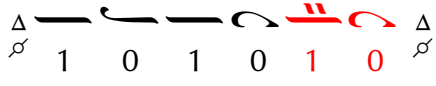
01010 

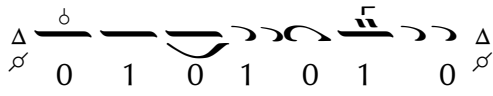


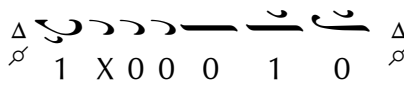


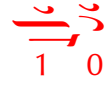
Plagal Second Mode - Verses (Hard Chromatic)

001X00 

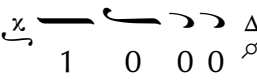
101010 

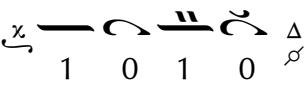
0101010 

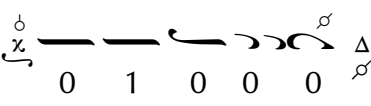
1X00010 

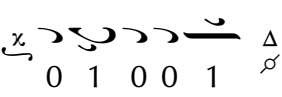



From Ke

1000 

1010 

01000 

01001 

0101010 

Plagal Second Mode - Verses (Hard Chromatic)

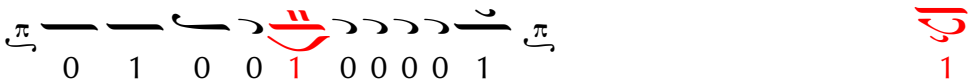
C) Cadences on Pa

The formulae in this section that are not from Pa are used as final formulae.

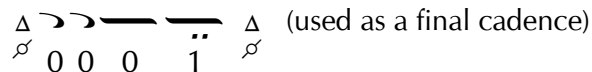
Accented on last syllable:

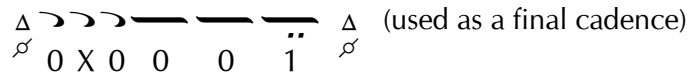
From Pa

00 

0100100001 

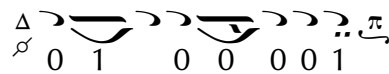
From Di


0001 

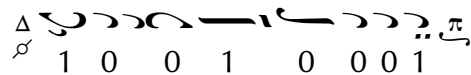
0X0001 

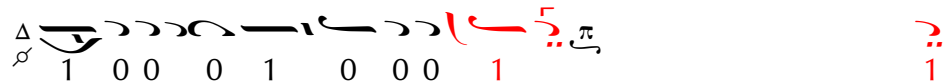
0010001 

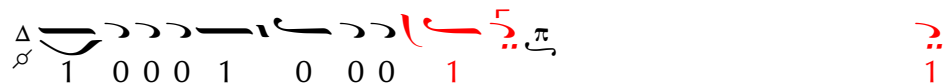
0100001 



01000001 

10010001 

100010001 



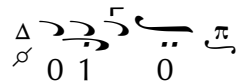
Plagal Second Mode - Verses (Hard Chromatic)

Accented on second to last syllable:

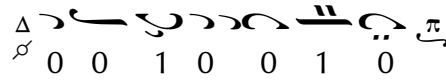
From Pa

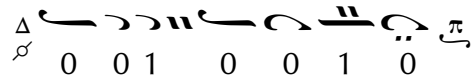
10 


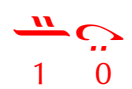
From Di

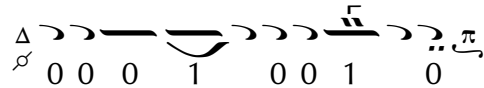
010 

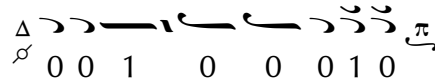
010010 

0010010 

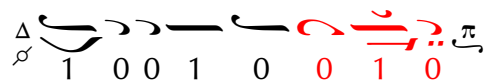



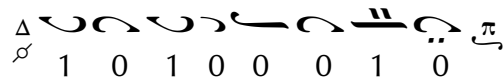
100X010  

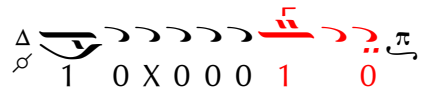

00010010 

00100010 

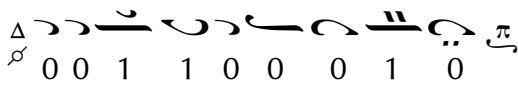
1000X010 


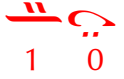
10010010  

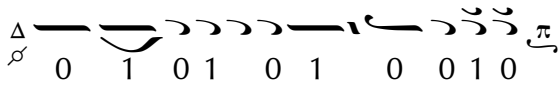
10100010 

10X00010  

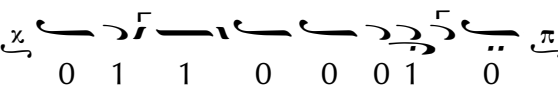
Plagal Second Mode - Verses (Hard Chromatic)

001100010  Δ
 δ 0 0 1 1 0 0 0 1 0 π

100100010  Δ
 δ 1 0 0 1 0 0 0 1 0 π 
 1 0

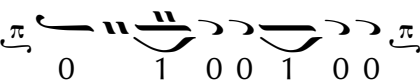
0101010010  Δ
 δ 0 1 0 1 0 1 0 0 1 0 π

From Ke

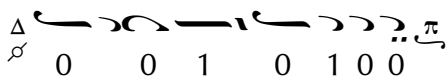
01100010  Δ
 δ 0 1 1 0 0 0 1 0 π


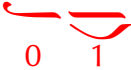
Accented on third to last syllable:

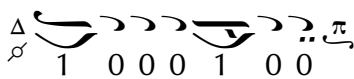
From Pa

0100100  Δ
 δ 0 1 0 0 1 0 0 π


From Di


0010100  Δ
 δ 0 0 1 0 1 0 0 π

0100100  Δ
 δ 0 1 0 0 1 0 0 π 
 0 1

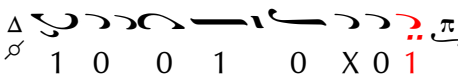

1000100  Δ
 δ 1 0 0 0 1 0 0 π

1100100  Δ
 δ 1 1 0 0 1 0 0 π

01000100  Δ
 δ 0 1 0 0 0 1 0 0 π

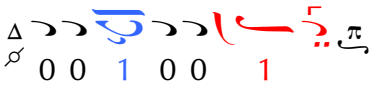
10000100  Δ
 δ 1 0 0 0 0 1 0 0 π

Plagal Second Mode - Verses (Hard Chromatic)


10010X01 Δ
 ρ 1 0 0 1 0 X 0 1 π
 


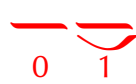
Accented on fourth to last syllable:

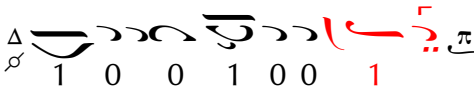

From Di

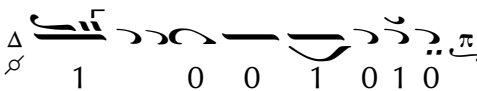
001001 Δ
 ρ 0 0 1 0 0 1 π


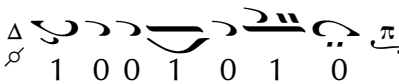
 


0101010 Δ
 ρ 0 1 0 1 0 1 0 π


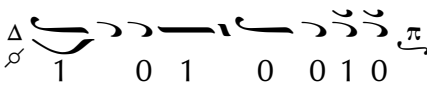
0001010 Δ
 ρ 0 0 0 1 0 1 0 π
 

1001001 Δ
 ρ 1 0 0 1 0 0 1 π
 

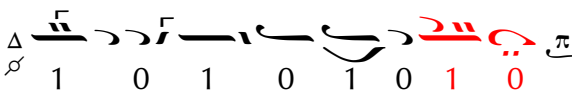

1001010 Δ
 ρ 1 0 0 1 0 1 0 π


Δ
 ρ 1 0 0 1 0 1 0 π


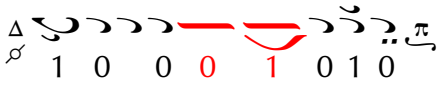
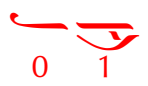
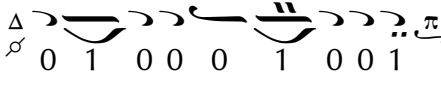
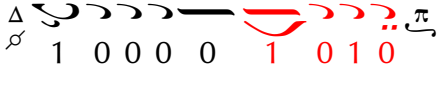



0001010 Δ
 ρ 0 0 0 1 0 1 0 π


1010010 Δ
 ρ 1 0 1 0 0 1 0 π


01X0X010 Δ
 ρ 0 1 X 0 X 0 1 0 π


10101010 Δ
 ρ 1 0 1 0 1 0 1 0 π
 

Plagal Second Mode - Verses (Hard Chromatic)

10001010	Δ  ρ 1 0 0 0 1 0 1 0	 0 1
010001001	Δ  ρ 0 1 0 0 0 1 0 0 1	
100001010	Δ  ρ 1 0 0 0 0 1 0 1 0	 1 0 1 0
010X001010	Δ  ρ 0 1 0 X 0 0 1 0 1 0	 X 0

Plagal Second Mode - Verses (Hard Chromatic)

D) Formulae with Fthoras

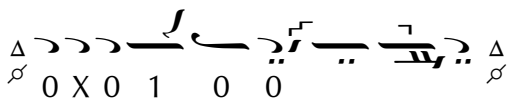
010 $\overset{\pi}{\curvearrowright}$ 0 $\overset{\Gamma}{\curvearrowright}$ 1 $\overset{\nu}{\curvearrowright}$ 0 $\overset{\rho}{\curvearrowright}$

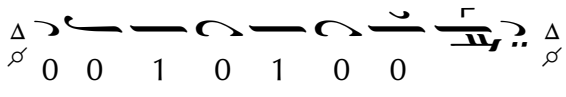
0100X010 $\overset{\pi}{\curvearrowright}$ 0 $\overset{\nu}{\curvearrowright}$ 1 $\overset{\nu}{\curvearrowright}$ 0 $\overset{\nu}{\curvearrowright}$ 0 X 0 $\overset{\Gamma}{\curvearrowright}$ 1 $\overset{\nu}{\curvearrowright}$ 0 $\overset{\pi}{\curvearrowright}$

Plagal Second Mode - Verses (Hard Chromatic)

E) Cadences for Theotokia

From Di

0X0100  Δ
 ρ 0 X 0 1 0 0 ρ

0010100  Δ
 ρ 0 0 1 0 1 0 0 ρ