

Chord/Scale Reference Chart

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Legend

Colors

Major (M Δ)

Minor (m)

Dominant (M7)

(Semi)Diminished (\circ or \emptyset)

Augmented (M+)

Pages, Rows and Columns

Every page in this document contains the harmonizations for every mode of the major scale, the melodic minor scale and the harmonic minor scale, constructed on the same root (first page: C; second page C#, etc.).

The first seven rows are the diatonic modes i.e. the modes of the major scale; the second seven rows are the modes of the melodic minor scale and the last seven the modes of the harmonic minor scale.

The first column is the name of the scale (i.e. in the first page we have in order C Ionian, C Dorian, C Phrygian etc...). The second column contains the chord constructed on the first note of the scale; the third column contains the chord constructed on the second note of the scale, etc. The last column contains the "parent scale" of the mode; for instance the parent scale of C Lydian is G Ionian (equivalently E Aeolian); the parent scale of C Lydian Augmented is A Melodic Minor and the parent scale of C Phrygian Dominant is F Harmonic Minor.

Chord Symbols

Chords are divided (somewhat arbitrarily and just for convenience) in 5 groups: Major, Dominant, Minor, (semi)Diminished and Augmented. The color in which chords are printed depend on their group. Here is the formula for every chord:

Chord	Symbol	Formula	Example in C
Major	M Δ	1 3 5 maj7	C E G B
Dominant	M7	1 3 5 (5 \sharp) 7	C E G (G \sharp) B \flat
Minor	m	1 3 \flat 5	C E \flat G
(half)Diminished	o or \emptyset	1 3 \flat 5 \flat	C E \flat G \flat
Augmented	M+	1 3 5 \sharp maj7	C E G \sharp B

Major chords are defined here as major triads that support a maj7 (Δ). Dominant chords are chords that support both a major third and a minor 7 (indicated simply with 7). Usually this chords are built on major triads, but in one case (superlocrian scale/"altered" chord, more on this later) the chord may support a raised/diminished fifth. Minor chords can support either a minor 7 (indicated simply by 7) or a maj 7 (indicated by Δ) depending on the scale they are constructed on: this is indicated for every chord. Augmented chords can support only a maj 7 (if they support a 7 they are considered Dominant). Diminished chords (1 3 \flat 5 \flat dim7, in C: C E \flat G \flat A) are indicated with o, half-diminished chord (1 3 \flat 5 \flat 7, in C: C E \flat G \flat B \flat) with \emptyset .

What's the "altered" chord? It is just a shorthand notation I found in some jazz score for the chord built over the superlocrian scale. I found it convenient and decided to use it here. This notation let you decide the exact chord you want to play among many possibilities. The chord you use should have a major third and a minor 7th (i.e. it should be a dominant chord), but:

- it should include either a raised 5th or a diminished 5th
- it may optionally include either $\flat 9$ or a $\sharp 9$
- it may optionally include a $\sharp 11$

For instance, valid "altered" chords are C7/5+, C7/5dim, C7/ $\sharp 9$ (no5) (this one is very cool and used a lot in blues - it is sometimes called "Hendrix 9th"), C7/5+ $\flat 9$, etc.

Possible Uses

Find which chords to use given a scale: choose the tonality (for instance E) and go to this page, then choose the scale/mode (for instance melodic minor) and look the right row. This row will tell you which chords you can use (in our example: Em maj7, F \sharp m 7, G 5+ maj7, A7, B7, C \sharp dim, D \sharp altered 7) if you want to build a chord progression that stays in key.

Find the scale from a chord sequence: suppose you have the following chord progression: Gm C F Dm. Go to the page for G: there are seven rows that begin with Gm. Only four of them contains also a C (of the other ones two contain a Cm, one a C \sharp dim). Of these four, only one contains an F (it contains also a Dm): G Dorian. Now, look at the last

column: you'll find that the parent scale is F major (Ionian) or D minor (Aeolian). So the progression Gm C F Dm is either in F major or D minor; you can use this scale to play a solo over this chord progression.

Find some possible scales to play over a chord: Wanna know what you can play over an Am? Go to the page for A, and look all the rows that begins with an Am. In principle, you can play all these scales on an Am (i.e. you can play an A Dorian, Phrygian, Aeolian, Melodic Minor, Dorian $\flat 2$, Harmonic Minor, or Dorian $\sharp 4$). Every scale has a different sound, and it may sound terrible or beautiful depending on the overall harmony of your song: try them and let your ear be your guide. Remember that you can also mix scales, and sometimes you can also do something completely different (for instance in blues you can play a minor pentatonic over a major chord!). Don't be afraid to experiment.

Find some possible substitution for a chord: Say you have some boring progression like B E F \sharp (B major scale) and you want to spice it up. Look at the page for B, the first row will tell you the possible alterations for chords in the major scale. Instead of B you may play a B add11 (i.e. a B chord to which you add an 11th : B D \sharp F \sharp E) - notice that the 11 is marked in the cell for the B chord. Instead of E play an exotic E maj7/6 (notice that maj7 and 6 are marked in the cell for the E chord), and instead of F \sharp play a F \sharp sus4 (i.e. without 3rd but with a 4th: F \sharp B C \sharp). How does it sounds like? Well, check the beginning of "Always with me, always with you" of Joe Satriani: this is exactly what he plays! (with the right inversions, of course). Now I can see a question in your eyes: how do I know which substitution to use? Experiment, my friend, experiment...

Basic Pitch Axis: Another technique (used also in the aforementioned Satriani's song) is used to compose song sections different-but-not-too-much from previous sections. Let's take the same progression as before: B E F \sharp (B major scale). Now choose another scale on the same page, for instance B minor. Now, mark the chord in the first scale (first row) and look up the correspondent chords (same column) in the second scale you choosed (the minor scale, 6th row). Your progression becomes: Bm Em F. This sound similar enough to the progression before to have it included in the same song, but different enough not to bore you. In a sense you have "minorized" your major chord progression, but you can apply this procedure between any two scales you like. Some ideas: 1) take a famous song you like and rewrite it completely using another scale (national anthems are good - they are mostly in major and sound really funny in minor). 2) Compose a sequence in which instead of changing chord you change the mode of the chord. Example: Am 9 A7 Amaj7/ $\sharp 11$. On the first chord play A minor, on the second play a Mixolydian, on the third play A Lydian. 3) Choose 2 scales on the same page and compose a chord sequence using chords from both scales.

The most important thing to remember: don't be afraid to break the rules if your ear say so. This chart is intended to be something that take you closer to the sky, not a weight

to take you down.

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Tonality: C

Tonal Scale	I	II	III	IV	V	VI	VII	Scale
Ionian	C MΔ 9/11/13	D m7 9/11/13	E m7 b9/11/b13	F MΔ 9/#11/13	G M7 9/11/13	A m7 9/11/b13	B ø b9/11/b13	C _I A _A
Dorian	C m7 9/11/13	D m7 b9/11/b13	D# _b /E _b MΔ 9/#11/13	F M7 9/11/13	G m7 9/11/b13	A ø b9/11/b13	A# _b /B _b MΔ 9/11/13	A# _b /B _b _I G _A
Phrygian	C m7 b9/11/b13	C# _b /D _b MΔ 9/#11/13	D# _b /E _b M7 9/11/13	F m7 9/11/b13	G ø b9/11/b13	G# _b /A _b MΔ 9/11/13	A# _b /B _b m7 9/11/13	G# _b /A _b _I F _A
Lydian	C MΔ 9/#11/13	D M7 9/11/13	E m7 9/11/b13	F# _b /G _b ø b9/11/b13	G MΔ 9/11/13	A m7 9/11/13	B m7 b9/11/b13	G _I E _A
Mixolydian	C M7 9/11/13	D m7 9/11/b13	E ø b9/11/b13	F MΔ 9/11/13	G m7 9/11/13	A m7 b9/11/b13	A# _b /B _b MΔ 9/#11/13	F _I D _A
Aeolian	C m7 9/11/b13	D ø b9/11/b13	D# _b /E _b MΔ 9/11/13	F m7 9/11/13	G m7 b9/11/b13	G# _b /A _b MΔ 9/#11/13	A# _b /B _b M7 9/11/13	D# _b /E _b _I C _A
Locrian	C ø b9/11/b13	C# _b /D _b MΔ 9/11/13	D# _b /E _b m7 9/11/13	F m7 b9/11/b13	F# _b /G _b MΔ 9/#11/13	G# _b /A _b M7 9/11/13	A# _b /B _b m7 9/11/b13	C# _b /D _b _I A# _b /B _b _A
Melodic	C mΔ 9/11/13	D m7 b9/11/13	D# _b /E _b M+Δ 9/#11/13	F M7 9/#11/13	G M7 9/11/b13	A ø 9/11/b13	B M7 altered	C _M
Dorian b2	C m7 b9/11/13	C# _b /D _b M+Δ 9/#11/13	D# _b /E _b M7 9/#11/13	F M7 9/11/b13	G ø 9/11/b13	A M7 altered	A# _b /B _b mΔ 9/11/13	A# _b /B _b _M
Lyd. Aug.	C M+Δ 9/#11/13	D M7 9/#11/13	E M7 9/11/b13	F# _b /G _b ø 9/11/b13	G# _b /A _b M7 altered	A mΔ 9/11/13	B m7 b9/11/13	A _M
Lyd. Dom.	C M7 9/#11/13	D M7 9/11/b13	E ø 9/11/b13	F# _b /G _b M7 altered	G mΔ 9/11/13	A m7 b9/11/13	A# _b /B _b M+Δ 9/#11/13	G _M
Aeol. Dom.	C M7 9/11/b13	D ø 9/11/b13	E M7 altered	F mΔ 9/11/13	G m7 b9/11/13	G# _b /A _b M+Δ 9/#11/13	A# _b /B _b M7 9/#11/13	F _M
Locrian #2	C ø 9/11/b13	D M7 altered	D# _b /E _b mΔ 9/11/13	F m7 b9/11/13	F# _b /G _b M+Δ 9/#11/13	G# _b /A _b M7 9/#11/13	A# _b /B _b M7 9/11/b13	D# _b /E _b _M
Superlocr.	C M7 altered	C# _b /D _b mΔ 9/11/13	D# _b /E _b m7 b9/11/13	E M+Δ 9/#11/13	F# _b /G _b M7 9/#11/13	G# _b /A _b M7 9/11/b13	A# _b /B _b ø 9/11/b13	C# _b /D _b _M
Harmonic	C mΔ 9/11/b13	D ø b9/11/13	D# _b /E _b M+Δ 9/11/13	F m7 9/#11/13	G M7 b9/11/b13	G# _b /A _b MΔ #9/#11/13	B ø b9/b11/b13	C _H
Locrian #6	C ø b9/11/13	C# _b /D _b M+Δ 9/11/13	D# _b /E _b m7 9/#11/13	F M7 b9/11/b13	F# _b /G _b MΔ #9/#11/13	A ø b9/b11/b13	A# _b /B _b mΔ 9/11/b13	A# _b /B _b _H
Ion. Aug.	C M+Δ 9/11/13	D m7 9/#11/13	E M7 b9/11/b13	F MΔ #9/#11/13	G# _b /A _b ø b9/b11/b13	A mΔ 9/11/b13	B ø b9/11/13	A _H
Dorian #4	C m7 9/#11/13	D M7 b9/11/b13	D# _b /E _b MΔ #9/#11/13	F# _b /G _b ø b9/b11/b13	G mΔ 9/11/b13	A ø b9/11/13	A# _b /B _b M+Δ 9/11/13	G _H
Phr. Dom.	C M7 b9/11/b13	C# _b /D _b MΔ #9/#11/13	E ø b9/b11/b13	F mΔ 9/11/b13	G ø b9/11/13	G# _b /A _b M+Δ 9/11/13	A# _b /B _b m7 9/#11/13	F _H
Lydian #2	C MΔ #9/#11/13	D# _b /E _b ø b9/b11/b13	E mΔ 9/11/b13	F# _b /G _b ø b9/11/13	G M+Δ 9/11/13	A m7 9/#11/13	B M7 b9/11/b13	E _H
Altered bb7	C ø b9/b11/b13	C# _b /D _b mΔ 9/11/b13	D# _b /E _b ø b9/11/13	E M+Δ 9/11/13	F# _b /G _b m7 9/#11/13	G# _b /A _b M7 b9/11/b13	A MΔ #9/#11/13	C# _b /D _b _H

Tonality: C \sharp /D \flat

Tonal Scale	I	II	III	IV	V	VI	VII	Scale
Ionian	C \sharp /D \flat M Δ 9/11/13	D \sharp /E \flat m7 9/11/13	F m7 b9/11/b13	F \sharp /G \flat M Δ 9/11/13	G \sharp /A \flat M7 9/11/13	A \sharp /B \flat m7 9/11/b13	C \emptyset b9/11/b13	C \sharp /D \flat _I A \sharp /B \flat _A
Dorian	C \sharp /D \flat m7 9/11/13	D \sharp /E \flat m7 b9/11/b13	E M Δ 9/11/13	F \sharp /G \flat M7 9/11/13	G \sharp /A \flat m7 9/11/b13	A \sharp /B \flat \emptyset b9/11/b13	B M Δ 9/11/13	B _I G \sharp /A \flat _A
Phrygian	C \sharp /D \flat m7 b9/11/b13	D M Δ 9/11/13	E M7 9/11/13	F \sharp /G \flat m7 9/11/b13	G \sharp /A \flat \emptyset b9/11/b13	A M Δ 9/11/13	B m7 9/11/13	A _I F \sharp /G \flat _A
Lydian	C \sharp /D \flat M Δ 9/11/13	D \sharp /E \flat M7 9/11/13	F m7 9/11/b13	G \emptyset b9/11/b13	G \sharp /A \flat M Δ 9/11/13	A \sharp /B \flat m7 9/11/13	C m7 b9/11/b13	G \sharp /A \flat _I F _A
Mixolydian	C \sharp /D \flat M7 9/11/13	D \sharp /E \flat m7 9/11/b13	F \emptyset b9/11/b13	F \sharp /G \flat M Δ 9/11/13	G \sharp /A \flat m7 9/11/13	A \sharp /B \flat m7 b9/11/b13	B M Δ 9/11/13	F \sharp /G \flat _I D \sharp /E \flat _A
Aeolian	C \sharp /D \flat m7 9/11/b13	D \sharp /E \flat \emptyset b9/11/b13	E M Δ 9/11/13	F \sharp /G \flat m7 9/11/13	G \sharp /A \flat m7 b9/11/b13	A M Δ 9/11/13	B M7 9/11/13	E _I C \sharp /D \flat _A
Locrian	C \sharp /D \flat \emptyset b9/11/b13	D M Δ 9/11/13	E m7 9/11/13	F \sharp /G \flat m7 b9/11/b13	G M Δ 9/11/13	A M7 9/11/13	B m7 9/11/b13	D _I B _A
Melodic	C \sharp /D \flat m Δ 9/11/13	D \sharp /E \flat m7 b9/11/13	E M+ Δ 9/11/13	F \sharp /G \flat M7 9/11/13	G \sharp /A \flat M7 9/11/b13	A \sharp /B \flat \emptyset 9/11/b13	C M7 altered	C \sharp /D \flat _M
Dorian \flat 2	C \sharp /D \flat m7 b9/11/13	D M+ Δ 9/11/13	E M7 9/11/13	F \sharp /G \flat M7 9/11/b13	G \sharp /A \flat \emptyset 9/11/b13	A \sharp /B \flat M7 altered	B m Δ 9/11/13	B _M
Lyd. Aug.	C \sharp /D \flat M+ Δ 9/11/13	D \sharp /E \flat M7 9/11/13	F M7 9/11/b13	G \emptyset 9/11/b13	A M7 altered	A \sharp /B \flat m Δ 9/11/13	C m7 b9/11/13	A \sharp /B \flat _M
Lyd. Dom.	C \sharp /D \flat M7 9/11/13	D \sharp /E \flat M7 9/11/b13	F \emptyset 9/11/b13	G M7 altered	G \sharp /A \flat m Δ 9/11/13	A \sharp /B \flat m7 b9/11/13	B M+ Δ 9/11/13	G \sharp /A \flat _M
Aeol. Dom.	C \sharp /D \flat M7 9/11/b13	D \sharp /E \flat \emptyset 9/11/b13	F M7 altered	F \sharp /G \flat m Δ 9/11/13	G \sharp /A \flat m7 b9/11/13	A M+ Δ 9/11/13	B M7 9/11/13	F \sharp /G \flat _M
Locrian \sharp 2	C \sharp /D \flat \emptyset 9/11/b13	D \sharp /E \flat M7 altered	E m Δ 9/11/13	F \sharp /G \flat m7 b9/11/13	G M+ Δ 9/11/13	A M7 9/11/13	B M7 9/11/b13	E _M
Superlocr.	C \sharp /D \flat M7 altered	D m Δ 9/11/13	E m7 b9/11/13	F M+ Δ 9/11/13	G M7 9/11/13	A M7 9/11/b13	B \emptyset 9/11/b13	D _M
Harmonic	C \sharp /D \flat m Δ 9/11/b13	D \sharp /E \flat \emptyset b9/11/13	E M+ Δ 9/11/13	F \sharp /G \flat m7 9/11/13	G \sharp /A \flat M7 b9/11/b13	A M Δ 11/11/13	C \circ b9/b11/b13	C \sharp /D \flat _H
Locrian \sharp 6	C \sharp /D \flat \emptyset b9/11/13	D M+ Δ 9/11/13	E m7 9/11/13	F \sharp /G \flat M7 b9/11/b13	G M Δ 11/11/13	A \sharp /B \flat \circ b9/b11/b13	B m Δ 9/11/b13	B _H
Ion. Aug.	C \sharp /D \flat M+ Δ 9/11/13	D \sharp /E \flat m7 9/11/13	F M7 b9/11/b13	F \sharp /G \flat M Δ 11/11/13	A \circ b9/b11/b13	A \sharp /B \flat m Δ 9/11/b13	C \emptyset b9/11/13	A \sharp /B \flat _H
Dorian \sharp 4	C \sharp /D \flat m7 9/11/13	D \sharp /E \flat M7 b9/11/b13	E M Δ 11/11/13	G \circ b9/b11/b13	G \sharp /A \flat m Δ 9/11/b13	A \sharp /B \flat \emptyset b9/11/13	B M+ Δ 9/11/13	G \sharp /A \flat _H
Phr. Dom.	C \sharp /D \flat M7 b9/11/b13	D M Δ 11/11/13	F \circ b9/b11/b13	F \sharp /G \flat m Δ 9/11/b13	G \sharp /A \flat \emptyset b9/11/13	A M+ Δ 9/11/13	B m7 9/11/13	F \sharp /G \flat _H
Lydian \sharp 2	C \sharp /D \flat M Δ 11/11/13	E \circ b9/b11/b13	F m Δ 9/11/b13	G \emptyset b9/11/13	G \sharp /A \flat M+ Δ 9/11/13	A \sharp /B \flat m7 9/11/13	C M7 b9/11/b13	F _H
Altered \flat 7	C \sharp /D \flat \circ b9/b11/b13	D m Δ 9/11/b13	E \emptyset b9/11/13	F M+ Δ 9/11/13	G m7 9/11/13	A M7 b9/11/b13	A \sharp /B \flat M Δ 11/11/13	D _H

Tonality: D

Tonal Scale	I	II	III	IV	V	VI	VII	Scale
Ionian	D MΔ 9/11/13	E m7 9/11/13	F♯/G♭ m7 ♭9/11/♭13	G MΔ 9/♯11/13	A M7 9/11/13	B m7 9/11/♭13	C♯/D♭ ∅ ♭9/11/♭13	D _I B _A
Dorian	D m7 9/11/13	E m7 ♭9/11/♭13	F MΔ 9/♯11/13	G M7 9/11/13	A m7 9/11/♭13	B ∅ ♭9/11/♭13	C MΔ 9/11/13	C _I A _A
Phrygian	D m7 ♭9/11/♭13	D♯/E♭ MΔ 9/♯11/13	F M7 9/11/13	G m7 9/11/♭13	A ∅ ♭9/11/♭13	A♯/B♭ MΔ 9/11/13	C m7 9/11/13	A♯/B♭ _I G _A
Lydian	D MΔ 9/♯11/13	E M7 9/11/13	F♯/G♭ m7 9/11/♭13	G♯/A♭ ∅ ♭9/11/♭13	A MΔ 9/11/13	B m7 9/11/13	C♯/D♭ m7 ♭9/11/♭13	A _I F♯/G♭ _A
Mixolydian	D M7 9/11/13	E m7 9/11/♭13	F♯/G♭ ∅ ♭9/11/♭13	G MΔ 9/11/13	A m7 9/11/13	B m7 ♭9/11/♭13	C MΔ 9/♯11/13	G _I E _A
Aeolian	D m7 9/11/♭13	E ∅ ♭9/11/♭13	F MΔ 9/11/13	G m7 9/11/13	A m7 ♭9/11/♭13	A♯/B♭ MΔ 9/♯11/13	C M7 9/11/13	F _I D _A
Locrian	D ∅ ♭9/11/♭13	D♯/E♭ MΔ 9/11/13	F m7 9/11/13	G m7 ♭9/11/♭13	G♯/A♭ MΔ 9/♯11/13	A♯/B♭ M7 9/11/13	C m7 9/11/♭13	D♯/E♭ _I C _A
Melodic	D mΔ 9/11/13	E m7 ♭9/11/13	F M+Δ 9/♯11/13	G M7 9/♯11/13	A M7 9/11/♭13	B ∅ 9/11/♭13	C♯/D♭ M7 altered	D _M
Dorian ♭2	D m7 ♭9/11/13	D♯/E♭ M+Δ 9/♯11/13	F M7 9/♯11/13	G M7 9/11/♭13	A ∅ 9/11/♭13	B M7 altered	C mΔ 9/11/13	C _M
Lyd. Aug.	D M+Δ 9/♯11/13	E M7 9/♯11/13	F♯/G♭ M7 9/11/♭13	G♯/A♭ ∅ 9/11/♭13	A♯/B♭ M7 altered	B mΔ 9/11/13	C♯/D♭ m7 ♭9/11/13	B _M
Lyd. Dom.	D M7 9/♯11/13	E M7 9/11/♭13	F♯/G♭ ∅ 9/11/♭13	G♯/A♭ M7 altered	A mΔ 9/11/13	B m7 ♭9/11/13	C M+Δ 9/♯11/13	A _M
Aeol. Dom.	D M7 9/11/♭13	E ∅ 9/11/♭13	F♯/G♭ M7 altered	G mΔ 9/11/13	A m7 ♭9/11/13	A♯/B♭ M+Δ 9/♯11/13	C M7 9/♯11/13	G _M
Locrian ♯2	D ∅ 9/11/♭13	E M7 altered	F mΔ 9/11/13	G m7 ♭9/11/13	G♯/A♭ M+Δ 9/♯11/13	A♯/B♭ M7 9/♯11/13	C M7 9/11/♭13	F _M
Superlocr.	D M7 altered	D♯/E♭ mΔ 9/11/13	F m7 ♭9/11/13	F♯/G♭ M+Δ 9/♯11/13	G♯/A♭ M7 9/♯11/13	A♯/B♭ M7 9/11/♭13	C ∅ 9/11/♭13	D♯/E♭ _M
Harmonic	D mΔ 9/11/♭13	E ∅ ♭9/11/13	F M+Δ 9/11/13	G m7 9/♯11/13	A M7 ♭9/11/♭13	A♯/B♭ MΔ ♯9/♯11/13	C♯/D♭ ∅ ♭9/♭11/♭13	D _H
Locrian ♯6	D ∅ ♭9/11/13	D♯/E♭ M+Δ 9/11/13	F m7 9/♯11/13	G M7 ♭9/11/♭13	G♯/A♭ MΔ ♯9/♯11/13	B ∅ ♭9/♭11/♭13	C mΔ 9/11/♭13	C _H
Ion. Aug.	D M+Δ 9/11/13	E m7 9/♯11/13	F♯/G♭ M7 ♭9/11/♭13	G MΔ ♯9/♯11/13	A♯/B♭ ∅ ♭9/♭11/♭13	B mΔ 9/11/♭13	C♯/D♭ ∅ ♭9/11/13	B _H
Dorian ♯4	D m7 9/♯11/13	E M7 ♭9/11/♭13	F MΔ ♯9/♯11/13	G♯/A♭ ∅ ♭9/♭11/♭13	A mΔ 9/11/♭13	B ∅ ♭9/11/13	C M+Δ 9/11/13	A _H
Phr. Dom.	D M7 ♭9/11/♭13	D♯/E♭ MΔ ♯9/♯11/13	F♯/G♭ ∅ ♭9/♭11/♭13	G mΔ 9/11/♭13	A ∅ ♭9/11/13	A♯/B♭ M+Δ 9/11/13	C m7 9/♯11/13	G _H
Lydian ♯2	D MΔ ♯9/♯11/13	F ∅ ♭9/♭11/♭13	F♯/G♭ mΔ 9/11/♭13	G♯/A♭ ∅ ♭9/11/13	A M+Δ 9/11/13	B m7 9/♯11/13	C♯/D♭ M7 ♭9/11/♭13	F♯/G♭ _H
Altered ♭♭7	D ∅ ♭9/♭11/♭13	D♯/E♭ mΔ 9/11/♭13	F ∅ ♭9/11/13	F♯/G♭ M+Δ 9/11/13	G♯/A♭ m7 9/♯11/13	A♯/B♭ M7 ♭9/11/♭13	B MΔ ♯9/♯11/13	D♯/E♭ _H

Tonality: D \sharp /E \flat

Tonal Scale	I	II	III	IV	V	VI	VII	Scale
Ionian	D \sharp /E \flat M Δ 9/11/13	F m7 9/11/13	G m7 \flat 9/11/ \flat 13	G \sharp /A \flat M Δ 9/ \sharp 11/13	A \sharp /B \flat M7 9/11/13	C m7 9/11/ \flat 13	D \emptyset \flat 9/11/ \flat 13	D \sharp /E \flat _I C _A
Dorian	D \sharp /E \flat m7 9/11/13	F m7 \flat 9/11/ \flat 13	F \sharp /G \flat M Δ 9/ \sharp 11/13	G \sharp /A \flat M7 9/11/13	A \sharp /B \flat m7 9/11/ \flat 13	C \emptyset \flat 9/11/ \flat 13	C \sharp /D \flat M Δ 9/11/13	C \sharp /D \flat _I A \sharp /B \flat _A
Phrygian	D \sharp /E \flat m7 \flat 9/11/ \flat 13	E M Δ 9/ \sharp 11/13	F \sharp /G \flat M7 9/11/13	G \sharp /A \flat m7 9/11/ \flat 13	A \sharp /B \flat \emptyset \flat 9/11/ \flat 13	B M Δ 9/11/13	C \sharp /D \flat m7 9/11/13	B _I G \sharp /A \flat _A
Lydian	D \sharp /E \flat M Δ 9/ \sharp 11/13	F M7 9/11/13	G m7 9/11/ \flat 13	A \emptyset \flat 9/11/ \flat 13	A \sharp /B \flat M Δ 9/11/13	C m7 9/11/13	D m7 \flat 9/11/ \flat 13	A \sharp /B \flat _I G _A
Mixolydian	D \sharp /E \flat M7 9/11/13	F m7 9/11/ \flat 13	G \emptyset \flat 9/11/ \flat 13	G \sharp /A \flat M Δ 9/11/13	A \sharp /B \flat m7 9/11/13	C m7 \flat 9/11/ \flat 13	C \sharp /D \flat M Δ 9/ \sharp 11/13	G \sharp /A \flat _I F _A
Aeolian	D \sharp /E \flat m7 9/11/ \flat 13	F \emptyset \flat 9/11/ \flat 13	F \sharp /G \flat M Δ 9/11/13	G \sharp /A \flat m7 9/11/13	A \sharp /B \flat m7 \flat 9/11/ \flat 13	B M Δ 9/ \sharp 11/13	C \sharp /D \flat M7 9/11/13	F \sharp /G \flat _I D \sharp /E \flat _A
Locrian	D \sharp /E \flat \emptyset \flat 9/11/ \flat 13	E M Δ 9/11/13	F \sharp /G \flat m7 9/11/13	G \sharp /A \flat m7 \flat 9/11/ \flat 13	A M Δ 9/ \sharp 11/13	B M7 9/11/13	C \sharp /D \flat m7 9/11/ \flat 13	E _I C \sharp /D \flat _A
Melodic	D \sharp /E \flat m Δ 9/11/13	F m7 \flat 9/11/13	F \sharp /G \flat M+ Δ 9/ \sharp 11/13	G \sharp /A \flat M7 9/ \sharp 11/13	A \sharp /B \flat M7 9/11/ \flat 13	C \emptyset 9/11/ \flat 13	D M7 altered	D \sharp /E \flat _M
Dorian \flat 2	D \sharp /E \flat m7 \flat 9/11/13	E M+ Δ 9/ \sharp 11/13	F \sharp /G \flat M7 9/ \sharp 11/13	G \sharp /A \flat M7 9/11/ \flat 13	A \sharp /B \flat \emptyset 9/11/ \flat 13	C M7 altered	C \sharp /D \flat m Δ 9/11/13	C \sharp /D \flat _M
Lyd. Aug.	D \sharp /E \flat M+ Δ 9/ \sharp 11/13	F M7 9/ \sharp 11/13	G M7 9/11/ \flat 13	A \emptyset 9/11/ \flat 13	B M7 altered	C m Δ 9/11/13	D m7 \flat 9/11/13	C _M
Lyd. Dom.	D \sharp /E \flat M7 9/ \sharp 11/13	F M7 9/11/ \flat 13	G \emptyset 9/11/ \flat 13	A M7 altered	A \sharp /B \flat m Δ 9/11/13	C m7 \flat 9/11/13	C \sharp /D \flat M+ Δ 9/ \sharp 11/13	A \sharp /B \flat _M
Aeol. Dom.	D \sharp /E \flat M7 9/11/ \flat 13	F \emptyset 9/11/ \flat 13	G M7 altered	G \sharp /A \flat m Δ 9/11/13	A \sharp /B \flat m7 \flat 9/11/13	B M+ Δ 9/ \sharp 11/13	C \sharp /D \flat M7 9/ \sharp 11/13	G \sharp /A \flat _M
Locrian \sharp 2	D \sharp /E \flat \emptyset 9/11/ \flat 13	F M7 altered	F \sharp /G \flat m Δ 9/11/13	G \sharp /A \flat m7 \flat 9/11/13	A M+ Δ 9/ \sharp 11/13	B M7 9/ \sharp 11/13	C \sharp /D \flat M7 9/11/ \flat 13	F \sharp /G \flat _M
Superlocr.	D \sharp /E \flat M7 altered	E m Δ 9/11/13	F \sharp /G \flat m7 \flat 9/11/13	G M+ Δ 9/ \sharp 11/13	A M7 9/ \sharp 11/13	B M7 9/11/ \flat 13	C \sharp /D \flat \emptyset 9/11/ \flat 13	E _M
Harmonic	D \sharp /E \flat m Δ 9/11/ \flat 13	F \emptyset \flat 9/11/13	F \sharp /G \flat M+ Δ 9/11/13	G \sharp /A \flat m7 9/ \sharp 11/13	A \sharp /B \flat M7 \flat 9/11/ \flat 13	B M Δ \sharp 9/ \sharp 11/13	D \circ \flat 9/ \flat 11/ \flat 13	D \sharp /E \flat _H
Locrian \sharp 6	D \sharp /E \flat \emptyset \flat 9/11/13	E M+ Δ 9/11/13	F \sharp /G \flat m7 9/ \sharp 11/13	G \sharp /A \flat M7 \flat 9/11/ \flat 13	A M Δ \sharp 9/ \sharp 11/13	C \circ \flat 9/ \flat 11/ \flat 13	C \sharp /D \flat m Δ 9/11/ \flat 13	C \sharp /D \flat _H
Ion. Aug.	D \sharp /E \flat M+ Δ 9/11/13	F m7 9/ \sharp 11/13	G M7 \flat 9/11/ \flat 13	G \sharp /A \flat M Δ \sharp 9/ \sharp 11/13	B \circ \flat 9/ \flat 11/ \flat 13	C m Δ 9/11/ \flat 13	D \emptyset \flat 9/11/13	C _H
Dorian \sharp 4	D \sharp /E \flat m7 9/ \sharp 11/13	F M7 \flat 9/11/ \flat 13	F \sharp /G \flat M Δ \sharp 9/ \sharp 11/13	A \circ \flat 9/ \flat 11/ \flat 13	A \sharp /B \flat m Δ 9/11/ \flat 13	C \emptyset \flat 9/11/13	C \sharp /D \flat M+ Δ 9/11/13	A \sharp /B \flat _H
Phr. Dom.	D \sharp /E \flat M7 \flat 9/11/ \flat 13	E M Δ \sharp 9/ \sharp 11/13	G \circ \flat 9/ \flat 11/ \flat 13	G \sharp /A \flat m Δ 9/11/ \flat 13	A \sharp /B \flat \emptyset \flat 9/11/13	B M+ Δ 9/11/13	C \sharp /D \flat m7 9/ \sharp 11/13	G \sharp /A \flat _H
Lydian \sharp 2	D \sharp /E \flat M Δ \sharp 9/ \sharp 11/13	F \sharp /G \flat \circ \flat 9/ \flat 11/ \flat 13	G m Δ 9/11/ \flat 13	A \emptyset \flat 9/11/13	A \sharp /B \flat M+ Δ 9/11/13	C m7 9/ \sharp 11/13	D M7 \flat 9/11/ \flat 13	G _H
Altered \flat 7	D \sharp /E \flat \circ \flat 9/ \flat 11/ \flat 13	E m Δ 9/11/ \flat 13	F \sharp /G \flat \emptyset \flat 9/11/13	G M+ Δ 9/11/13	A m7 9/ \sharp 11/13	B M7 \flat 9/11/ \flat 13	C M Δ \sharp 9/ \sharp 11/13	E _H

Tonality: E

Tonal Scale	I	II	III	IV	V	VI	VII	Scale
Ionian	E MΔ 9/11/13	F♯/G♭ m7 9/11/13	G♯/A♭ m7 ♭9/11/♭13	A MΔ 9/♯11/13	B M7 9/11/13	C♯/D♭ m7 9/11/♭13	D♯/E♭ ∅ ♭9/11/♭13	E _I C♯/D♭ _A
Dorian	E m7 9/11/13	F♯/G♭ m7 ♭9/11/♭13	G MΔ 9/♯11/13	A M7 9/11/13	B m7 9/11/♭13	C♯/D♭ ∅ ♭9/11/♭13	D MΔ 9/11/13	D _I B _A
Phrygian	E m7 ♭9/11/♭13	F MΔ 9/♯11/13	G M7 9/11/13	A m7 9/11/♭13	B ∅ ♭9/11/♭13	C MΔ 9/11/13	D m7 9/11/13	C _I A _A
Lydian	E MΔ 9/♯11/13	F♯/G♭ M7 9/11/13	G♯/A♭ m7 9/11/♭13	A♯/B♭ ∅ ♭9/11/♭13	B MΔ 9/11/13	C♯/D♭ m7 9/11/13	D♯/E♭ m7 ♭9/11/♭13	B _I G♯/A♭ _A
Mixolydian	E M7 9/11/13	F♯/G♭ m7 9/11/♭13	G♯/A♭ ∅ ♭9/11/♭13	A MΔ 9/11/13	B m7 9/11/13	C♯/D♭ m7 ♭9/11/♭13	D MΔ 9/♯11/13	A _I F♯/G♭ _A
Aeolian	E m7 9/11/♭13	F♯/G♭ ∅ ♭9/11/♭13	G MΔ 9/11/13	A m7 9/11/13	B m7 ♭9/11/♭13	C MΔ 9/♯11/13	D M7 9/11/13	G _I E _A
Locrian	E ∅ ♭9/11/♭13	F MΔ 9/11/13	G m7 9/11/13	A m7 ♭9/11/♭13	A♯/B♭ MΔ 9/♯11/13	C M7 9/11/13	D m7 9/11/♭13	F _I D _A
Melodic	E mΔ 9/11/13	F♯/G♭ m7 ♭9/11/13	G M+Δ 9/♯11/13	A M7 9/♯11/13	B M7 9/11/♭13	C♯/D♭ ∅ 9/11/♭13	D♯/E♭ M7 altered	E _M
Dorian ♭2	E m7 ♭9/11/13	F M+Δ 9/♯11/13	G M7 9/♯11/13	A M7 9/11/♭13	B ∅ 9/11/♭13	C♯/D♭ M7 altered	D mΔ 9/11/13	D _M
Lyd. Aug.	E M+Δ 9/♯11/13	F♯/G♭ M7 9/♯11/13	G♯/A♭ M7 9/11/♭13	A♯/B♭ ∅ 9/11/♭13	C M7 altered	C♯/D♭ mΔ 9/11/13	D♯/E♭ m7 ♭9/11/13	C♯/D♭ _M
Lyd. Dom.	E M7 9/♯11/13	F♯/G♭ M7 9/11/♭13	G♯/A♭ ∅ 9/11/♭13	A♯/B♭ M7 altered	B mΔ 9/11/13	C♯/D♭ m7 ♭9/11/13	D M+Δ 9/♯11/13	B _M
Aeol. Dom.	E M7 9/11/♭13	F♯/G♭ ∅ 9/11/♭13	G♯/A♭ M7 altered	A mΔ 9/11/13	B m7 ♭9/11/13	C M+Δ 9/♯11/13	D M7 9/♯11/13	A _M
Locrian ♯2	E ∅ 9/11/♭13	F♯/G♭ M7 altered	G mΔ 9/11/13	A m7 ♭9/11/13	A♯/B♭ M+Δ 9/♯11/13	C M7 9/♯11/13	D M7 9/11/♭13	G _M
Superlocr.	E M7 altered	F mΔ 9/11/13	G m7 ♭9/11/13	G♯/A♭ M+Δ 9/♯11/13	A♯/B♭ M7 9/♯11/13	C M7 9/11/♭13	D ∅ 9/11/♭13	F _M
Harmonic	E mΔ 9/11/♭13	F♯/G♭ ∅ ♭9/11/13	G M+Δ 9/11/13	A m7 9/♯11/13	B M7 ♭9/11/♭13	C MΔ ♯9/♯11/13	D♯/E♭ ∅ ♭9/♭11/♭13	E _H
Locrian ♯6	E ∅ ♭9/11/13	F M+Δ 9/11/13	G m7 9/♯11/13	A M7 ♭9/11/♭13	A♯/B♭ MΔ ♯9/♯11/13	C♯/D♭ ∅ ♭9/♭11/♭13	D mΔ 9/11/♭13	D _H
Ion. Aug.	E M+Δ 9/11/13	F♯/G♭ m7 9/♯11/13	G♯/A♭ M7 ♭9/11/♭13	A MΔ ♯9/♯11/13	C ∅ ♭9/♭11/♭13	C♯/D♭ mΔ 9/11/♭13	D♯/E♭ ∅ ♭9/11/13	C♯/D♭ _H
Dorian ♯4	E m7 9/♯11/13	F♯/G♭ M7 ♭9/11/♭13	G MΔ ♯9/♯11/13	A♯/B♭ ∅ ♭9/♭11/♭13	B mΔ 9/11/♭13	C♯/D♭ ∅ ♭9/11/13	D M+Δ 9/11/13	B _H
Phr. Dom.	E M7 ♭9/11/♭13	F MΔ ♯9/♯11/13	G♯/A♭ ∅ ♭9/♭11/♭13	A mΔ 9/11/♭13	B ∅ ♭9/11/13	C M+Δ 9/11/13	D m7 9/♯11/13	A _H
Lydian ♯2	E MΔ ♯9/♯11/13	G ∅ ♭9/♭11/♭13	G♯/A♭ mΔ 9/11/♭13	A♯/B♭ ∅ ♭9/11/13	B M+Δ 9/11/13	C♯/D♭ m7 9/♯11/13	D♯/E♭ M7 ♭9/11/♭13	G♯/A♭ _H
Altered ♭7	E ∅ ♭9/♭11/♭13	F mΔ 9/11/♭13	G ∅ ♭9/11/13	G♯/A♭ M+Δ 9/11/13	A♯/B♭ m7 9/♯11/13	C M7 ♭9/11/♭13	C♯/D♭ MΔ ♯9/♯11/13	F _H

Tonality: F

Tonal Scale	I	II	III	IV	V	VI	VII	Scale
Ionian	F MΔ 9/11/13	G m7 9/11/13	A m7 b9/11/b13	A♯/B♭ MΔ 9/♯11/13	C M7 9/11/13	D m7 9/11/b13	E ø b9/11/b13	F _I D _A
Dorian	F m7 9/11/13	G m7 b9/11/b13	G♯/A♭ MΔ 9/♯11/13	A♯/B♭ M7 9/11/13	C m7 9/11/b13	D ø b9/11/b13	D♯/E♭ MΔ 9/11/13	D♯/E♭ _I C _A
Phrygian	F m7 b9/11/b13	F♯/G♭ MΔ 9/♯11/13	G♯/A♭ M7 9/11/13	A♯/B♭ m7 9/11/b13	C ø b9/11/b13	C♯/D♭ MΔ 9/11/13	D♯/E♭ m7 9/11/13	C♯/D♭ _I A♯/B♭ _A
Lydian	F MΔ 9/♯11/13	G M7 9/11/13	A m7 9/11/b13	B ø b9/11/b13	C MΔ 9/11/13	D m7 9/11/13	E m7 b9/11/b13	C _I A _A
Mixolydian	F M7 9/11/13	G m7 9/11/b13	A ø b9/11/b13	A♯/B♭ MΔ 9/11/13	C m7 9/11/13	D m7 b9/11/b13	D♯/E♭ MΔ 9/♯11/13	A♯/B♭ _I G _A
Aeolian	F m7 9/11/b13	G ø b9/11/b13	G♯/A♭ MΔ 9/11/13	A♯/B♭ m7 9/11/13	C m7 b9/11/b13	C♯/D♭ MΔ 9/♯11/13	D♯/E♭ M7 9/11/13	G♯/A♭ _I F _A
Locrian	F ø b9/11/b13	F♯/G♭ MΔ 9/11/13	G♯/A♭ m7 9/11/13	A♯/B♭ m7 b9/11/b13	B MΔ 9/♯11/13	C♯/D♭ M7 9/11/13	D♯/E♭ m7 9/11/b13	F♯/G♭ _I D♯/E♭ _A
Melodic	F mΔ 9/11/13	G m7 b9/11/13	G♯/A♭ M+Δ 9/♯11/13	A♯/B♭ M7 9/♯11/13	C M7 9/11/b13	D ø 9/11/b13	E M7 altered	F _M
Dorian b2	F m7 b9/11/13	F♯/G♭ M+Δ 9/♯11/13	G♯/A♭ M7 9/♯11/13	A♯/B♭ M7 9/11/b13	C ø 9/11/b13	D M7 altered	D♯/E♭ mΔ 9/11/13	D♯/E♭ _M
Lyd. Aug.	F M+Δ 9/♯11/13	G M7 9/♯11/13	A M7 9/11/b13	B ø 9/11/b13	C♯/D♭ M7 altered	D mΔ 9/11/13	E m7 b9/11/13	D _M
Lyd. Dom.	F M7 9/♯11/13	G M7 9/11/b13	A ø 9/11/b13	B M7 altered	C mΔ 9/11/13	D m7 b9/11/13	D♯/E♭ M+Δ 9/♯11/13	C _M
Aeol. Dom.	F M7 9/11/b13	G ø 9/11/b13	A M7 altered	A♯/B♭ mΔ 9/11/13	C m7 b9/11/13	C♯/D♭ M+Δ 9/♯11/13	D♯/E♭ M7 9/♯11/13	A♯/B♭ _M
Locrian ♯2	F ø 9/11/b13	G M7 altered	G♯/A♭ mΔ 9/11/13	A♯/B♭ m7 b9/11/13	B M+Δ 9/♯11/13	C♯/D♭ M7 9/♯11/13	D♯/E♭ M7 9/11/b13	G♯/A♭ _M
Superlocr.	F M7 altered	F♯/G♭ mΔ 9/11/13	G♯/A♭ m7 b9/11/13	A M+Δ 9/♯11/13	B M7 9/♯11/13	C♯/D♭ M7 9/11/b13	D♯/E♭ ø 9/11/b13	F♯/G♭ _M
Harmonic	F mΔ 9/11/b13	G ø b9/11/13	G♯/A♭ M+Δ 9/11/13	A♯/B♭ m7 9/♯11/13	C M7 b9/11/b13	C♯/D♭ MΔ ♯9/♯11/13	E ø b9/b11/b13	F _H
Locrian ♯6	F ø b9/11/13	F♯/G♭ M+Δ 9/11/13	G♯/A♭ m7 9/♯11/13	A♯/B♭ M7 b9/11/b13	B MΔ ♯9/♯11/13	D ø b9/b11/b13	D♯/E♭ mΔ 9/11/b13	D♯/E♭ _H
Ion. Aug.	F M+Δ 9/11/13	G m7 9/♯11/13	A M7 b9/11/b13	A♯/B♭ MΔ ♯9/♯11/13	C♯/D♭ ø b9/b11/b13	D mΔ 9/11/b13	E ø b9/11/13	D _H
Dorian ♯4	F m7 9/♯11/13	G M7 b9/11/b13	G♯/A♭ MΔ ♯9/♯11/13	B ø b9/b11/b13	C mΔ 9/11/b13	D ø b9/11/13	D♯/E♭ M+Δ 9/11/13	C _H
Phr. Dom.	F M7 b9/11/b13	F♯/G♭ MΔ ♯9/♯11/13	A ø b9/b11/b13	A♯/B♭ mΔ 9/11/b13	C ø b9/11/13	C♯/D♭ M+Δ 9/11/13	D♯/E♭ m7 9/♯11/13	A♯/B♭ _H
Lydian ♯2	F MΔ ♯9/♯11/13	G♯/A♭ ø b9/b11/b13	A mΔ 9/11/b13	B ø b9/11/13	C M+Δ 9/11/13	D m7 9/♯11/13	E M7 b9/11/b13	A _H
Altered bb7	F ø b9/b11/b13	F♯/G♭ mΔ 9/11/b13	G♯/A♭ ø b9/11/13	A M+Δ 9/11/13	B m7 9/♯11/13	C♯/D♭ M7 b9/11/b13	D MΔ ♯9/♯11/13	F♯/G♭ _H

Tonality: F \sharp /G \flat

Tonal Scale	I	II	III	IV	V	VI	VII	Scale
Ionian	F \sharp /G \flat M Δ 9/11/13	G \sharp /A \flat m7 9/11/13	A \sharp /B \flat m7 \flat 9/11/ \flat 13	B M Δ 9/ \sharp 11/13	C \sharp /D \flat M7 9/11/13	D \sharp /E \flat m7 9/11/ \flat 13	F \emptyset \flat 9/11/ \flat 13	F \sharp /G \flat _I D \sharp /E \flat _A
Dorian	F \sharp /G \flat m7 9/11/13	G \sharp /A \flat m7 \flat 9/11/ \flat 13	A M Δ 9/ \sharp 11/13	B M7 9/11/13	C \sharp /D \flat m7 9/11/ \flat 13	D \sharp /E \flat \emptyset \flat 9/11/ \flat 13	E M Δ 9/11/13	E _I C \sharp /D \flat _A
Phrygian	F \sharp /G \flat m7 \flat 9/11/ \flat 13	G M Δ 9/ \sharp 11/13	A M7 9/11/13	B m7 9/11/ \flat 13	C \sharp /D \flat \emptyset \flat 9/11/ \flat 13	D M Δ 9/11/13	E m7 9/11/13	D _I B _A
Lydian	F \sharp /G \flat M Δ 9/ \sharp 11/13	G \sharp /A \flat M7 9/11/13	A \sharp /B \flat m7 9/11/ \flat 13	C \emptyset \flat 9/11/ \flat 13	C \sharp /D \flat M Δ 9/11/13	D \sharp /E \flat m7 9/11/13	F m7 \flat 9/11/ \flat 13	C \sharp /D \flat _I A \sharp /B \flat _A
Mixolydian	F \sharp /G \flat M7 9/11/13	G \sharp /A \flat m7 9/11/ \flat 13	A \sharp /B \flat \emptyset \flat 9/11/ \flat 13	B M Δ 9/11/13	C \sharp /D \flat m7 9/11/13	D \sharp /E \flat m7 \flat 9/11/ \flat 13	E M Δ 9/ \sharp 11/13	B _I G \sharp /A \flat _A
Aeolian	F \sharp /G \flat m7 9/11/ \flat 13	G \sharp /A \flat \emptyset \flat 9/11/ \flat 13	A M Δ 9/11/13	B m7 9/11/13	C \sharp /D \flat m7 \flat 9/11/ \flat 13	D M Δ 9/ \sharp 11/13	E M7 9/11/13	A _I F \sharp /G \flat _A
Locrian	F \sharp /G \flat \emptyset \flat 9/11/ \flat 13	G M Δ 9/11/13	A m7 9/11/13	B m7 \flat 9/11/ \flat 13	C M Δ 9/ \sharp 11/13	D M7 9/11/13	E m7 9/11/ \flat 13	G _I E _A
Melodic	F \sharp /G \flat m Δ 9/11/13	G \sharp /A \flat m7 \flat 9/11/13	A M+ Δ 9/ \sharp 11/13	B M7 9/ \sharp 11/13	C \sharp /D \flat M7 9/11/ \flat 13	D \sharp /E \flat \emptyset 9/11/ \flat 13	F M7 altered	F \sharp /G \flat _M
Dorian \flat 2	F \sharp /G \flat m7 \flat 9/11/13	G M+ Δ 9/ \sharp 11/13	A M7 9/ \sharp 11/13	B M7 9/11/ \flat 13	C \sharp /D \flat \emptyset 9/11/ \flat 13	D \sharp /E \flat M7 altered	E m Δ 9/11/13	E _M
Lyd. Aug.	F \sharp /G \flat M+ Δ 9/ \sharp 11/13	G \sharp /A \flat M7 9/ \sharp 11/13	A \sharp /B \flat M7 9/11/ \flat 13	C \emptyset 9/11/ \flat 13	D M7 altered	D \sharp /E \flat m Δ 9/11/13	F m7 \flat 9/11/13	D \sharp /E \flat _M
Lyd. Dom.	F \sharp /G \flat M7 9/ \sharp 11/13	G \sharp /A \flat M7 9/11/ \flat 13	A \sharp /B \flat \emptyset 9/11/ \flat 13	C M7 altered	C \sharp /D \flat m Δ 9/11/13	D \sharp /E \flat m7 \flat 9/11/13	E M+ Δ 9/ \sharp 11/13	C \sharp /D \flat _M
Aeol. Dom.	F \sharp /G \flat M7 9/11/ \flat 13	G \sharp /A \flat \emptyset 9/11/ \flat 13	A \sharp /B \flat M7 altered	B m Δ 9/11/13	C \sharp /D \flat m7 \flat 9/11/13	D M+ Δ 9/ \sharp 11/13	E M7 9/ \sharp 11/13	B _M
Locrian \sharp 2	F \sharp /G \flat \emptyset 9/11/ \flat 13	G \sharp /A \flat M7 altered	A m Δ 9/11/13	B m7 \flat 9/11/13	C M+ Δ 9/ \sharp 11/13	D M7 9/ \sharp 11/13	E M7 9/11/ \flat 13	A _M
Superlocr.	F \sharp /G \flat M7 altered	G m Δ 9/11/13	A m7 \flat 9/11/13	A \sharp /B \flat M+ Δ 9/ \sharp 11/13	C M7 9/ \sharp 11/13	D M7 9/11/ \flat 13	E \emptyset 9/11/ \flat 13	G _M
Harmonic	F \sharp /G \flat m Δ 9/11/ \flat 13	G \sharp /A \flat \emptyset \flat 9/11/13	A M+ Δ 9/11/13	B m7 9/ \sharp 11/13	C \sharp /D \flat M7 \flat 9/11/ \flat 13	D M Δ \sharp 9/ \sharp 11/13	F \emptyset \flat 9/ \flat 11/ \flat 13	F \sharp /G \flat _H
Locrian \sharp 6	F \sharp /G \flat \emptyset \flat 9/11/13	G M+ Δ 9/11/13	A m7 9/ \sharp 11/13	B M7 \flat 9/11/ \flat 13	C M Δ \sharp 9/ \sharp 11/13	D \sharp /E \flat \emptyset \flat 9/ \flat 11/ \flat 13	E m Δ 9/11/ \flat 13	E _H
Ion. Aug.	F \sharp /G \flat M+ Δ 9/11/13	G \sharp /A \flat m7 9/ \sharp 11/13	A \sharp /B \flat M7 \flat 9/11/ \flat 13	B M Δ \sharp 9/ \sharp 11/13	D \emptyset \flat 9/ \flat 11/ \flat 13	D \sharp /E \flat m Δ 9/11/ \flat 13	F \emptyset \flat 9/11/13	D \sharp /E \flat _H
Dorian \sharp 4	F \sharp /G \flat m7 9/ \sharp 11/13	G \sharp /A \flat M7 \flat 9/11/ \flat 13	A M Δ \sharp 9/ \sharp 11/13	C \emptyset \flat 9/ \flat 11/ \flat 13	C \sharp /D \flat m Δ 9/11/ \flat 13	D \sharp /E \flat \emptyset \flat 9/11/13	E M+ Δ 9/11/13	C \sharp /D \flat _H
Phr. Dom.	F \sharp /G \flat M7 \flat 9/11/ \flat 13	G M Δ \sharp 9/ \sharp 11/13	A \sharp /B \flat \emptyset \flat 9/ \flat 11/ \flat 13	B m Δ 9/11/ \flat 13	C \sharp /D \flat \emptyset \flat 9/11/13	D M+ Δ 9/11/13	E m7 9/ \sharp 11/13	B _H
Lydian \sharp 2	F \sharp /G \flat M Δ \sharp 9/ \sharp 11/13	A \emptyset \flat 9/ \flat 11/ \flat 13	A \sharp /B \flat m Δ 9/11/ \flat 13	C \emptyset \flat 9/11/13	C \sharp /D \flat M+ Δ 9/11/13	D \sharp /E \flat m7 9/ \sharp 11/13	F M7 \flat 9/11/ \flat 13	A \sharp /B \flat _H
Altered \flat 7	F \sharp /G \flat \emptyset \flat 9/ \flat 11/ \flat 13	G m Δ 9/11/ \flat 13	A \emptyset \flat 9/11/13	A \sharp /B \flat M+ Δ 9/11/13	C m7 9/ \sharp 11/13	D M7 \flat 9/11/ \flat 13	D \sharp /E \flat M Δ \sharp 9/ \sharp 11/13	G _H

Tonality: G

Tonal Scale	I	II	III	IV	V	VI	VII	Scale
Ionian	G MΔ 9/11/13	A m7 9/11/13	B m7 b9/11/b13	C MΔ 9/#11/13	D M7 9/11/13	E m7 9/11/b13	F# / Gb ø b9/11/b13	G _I E _A
Dorian	G m7 9/11/13	A m7 b9/11/b13	A# / Bb MΔ 9/#11/13	C M7 9/11/13	D m7 9/11/b13	E ø b9/11/b13	F MΔ 9/11/13	F _I D _A
Phrygian	G m7 b9/11/b13	G# / Ab MΔ 9/#11/13	A# / Bb M7 9/11/13	C m7 9/11/b13	D ø b9/11/b13	D# / Eb MΔ 9/11/13	F m7 9/11/13	D# / Eb _I C _A
Lydian	G MΔ 9/#11/13	A M7 9/11/13	B m7 9/11/b13	C# / Db ø b9/11/b13	D MΔ 9/11/13	E m7 9/11/13	F# / Gb m7 b9/11/b13	D _I B _A
Mixolydian	G M7 9/11/13	A m7 9/11/b13	B ø b9/11/b13	C MΔ 9/11/13	D m7 9/11/13	E m7 b9/11/b13	F MΔ 9/#11/13	C _I A _A
Aeolian	G m7 9/11/b13	A ø b9/11/b13	A# / Bb MΔ 9/11/13	C m7 9/11/13	D m7 b9/11/b13	D# / Eb MΔ 9/#11/13	F M7 9/11/13	A# / Bb _I G _A
Locrian	G ø b9/11/b13	G# / Ab MΔ 9/11/13	A# / Bb m7 9/11/13	C m7 b9/11/b13	C# / Db MΔ 9/#11/13	D# / Eb M7 9/11/13	F m7 9/11/b13	G# / Ab _I F _A
Melodic	G mΔ 9/11/13	A m7 b9/11/13	A# / Bb M+Δ 9/#11/13	C M7 9/#11/13	D M7 9/11/b13	E ø 9/11/b13	F# / Gb M7 altered	G _M
Dorian b2	G m7 b9/11/13	G# / Ab M+Δ 9/#11/13	A# / Bb M7 9/#11/13	C M7 9/11/b13	D ø 9/11/b13	E M7 altered	F mΔ 9/11/13	F _M
Lyd. Aug.	G M+Δ 9/#11/13	A M7 9/#11/13	B M7 9/11/b13	C# / Db ø 9/11/b13	D# / Eb M7 altered	E mΔ 9/11/13	F# / Gb m7 b9/11/13	E _M
Lyd. Dom.	G M7 9/#11/13	A M7 9/11/b13	B ø 9/11/b13	C# / Db M7 altered	D mΔ 9/11/13	E m7 b9/11/13	F M+Δ 9/#11/13	D _M
Aeol. Dom.	G M7 9/11/b13	A ø 9/11/b13	B M7 altered	C mΔ 9/11/13	D m7 b9/11/13	D# / Eb M+Δ 9/#11/13	F M7 9/#11/13	C _M
Locrian #2	G ø 9/11/b13	A M7 altered	A# / Bb mΔ 9/11/13	C m7 b9/11/13	C# / Db M+Δ 9/#11/13	D# / Eb M7 9/#11/13	F M7 9/11/b13	A# / Bb _M
Superlocr.	G M7 altered	G# / Ab mΔ 9/11/13	A# / Bb m7 b9/11/13	B M+Δ 9/#11/13	C# / Db M7 9/#11/13	D# / Eb M7 9/11/b13	F ø 9/11/b13	G# / Ab _M
Harmonic	G mΔ 9/11/b13	A ø b9/11/13	A# / Bb M+Δ 9/11/13	C m7 9/#11/13	D M7 b9/11/b13	D# / Eb MΔ #9/#11/13	F# / Gb ø b9/b11/b13	G _H
Locrian #6	G ø b9/11/13	G# / Ab M+Δ 9/11/13	A# / Bb m7 9/#11/13	C M7 b9/11/b13	C# / Db MΔ #9/#11/13	E ø b9/b11/b13	F mΔ 9/11/b13	F _H
Ion. Aug.	G M+Δ 9/11/13	A m7 9/#11/13	B M7 b9/11/b13	C MΔ #9/#11/13	D# / Eb ø b9/b11/b13	E mΔ 9/11/b13	F# / Gb ø b9/11/13	E _H
Dorian #4	G m7 9/#11/13	A M7 b9/11/b13	A# / Bb MΔ #9/#11/13	C# / Db ø b9/b11/b13	D mΔ 9/11/b13	E ø b9/11/13	F M+Δ 9/11/13	D _H
Phr. Dom.	G M7 b9/11/b13	G# / Ab MΔ #9/#11/13	B ø b9/b11/b13	C mΔ 9/11/b13	D ø b9/11/13	D# / Eb M+Δ 9/11/13	F m7 9/#11/13	C _H
Lydian #2	G MΔ #9/#11/13	A# / Bb ø b9/b11/b13	B mΔ 9/11/b13	C# / Db ø b9/11/13	D M+Δ 9/11/13	E m7 9/#11/13	F# / Gb M7 b9/11/b13	B _H
Altered bb7	G ø b9/b11/b13	G# / Ab mΔ 9/11/b13	A# / Bb ø b9/11/13	B M+Δ 9/11/13	C# / Db m7 9/#11/13	D# / Eb M7 b9/11/b13	E MΔ #9/#11/13	G# / Ab _H

Tonality: G \sharp /A \flat

Tonal Scale	I	II	III	IV	V	VI	VII	Scale
Ionian	G \sharp /A \flat M Δ 9/11/13	A \sharp /B \flat m7 9/11/13	C m7 b9/11/b13	C \sharp /D \flat M Δ 9/11/13	D \sharp /E \flat M7 9/11/13	F m7 9/11/b13	G \emptyset b9/11/b13	G \sharp /A \flat _I F _A
Dorian	G \sharp /A \flat m7 9/11/13	A \sharp /B \flat m7 b9/11/b13	B M Δ 9/11/13	C \sharp /D \flat M7 9/11/13	D \sharp /E \flat m7 9/11/b13	F \emptyset b9/11/b13	F \sharp /G \flat M Δ 9/11/13	F \sharp /G \flat _I D \sharp /E \flat _A
Phrygian	G \sharp /A \flat m7 b9/11/b13	A M Δ 9/11/13	B M7 9/11/13	C \sharp /D \flat m7 9/11/b13	D \sharp /E \flat \emptyset b9/11/b13	E M Δ 9/11/13	F \sharp /G \flat m7 9/11/13	E _I C \sharp /D \flat _A
Lydian	G \sharp /A \flat M Δ 9/11/13	A \sharp /B \flat M7 9/11/13	C m7 9/11/b13	D \emptyset b9/11/b13	D \sharp /E \flat M Δ 9/11/13	F m7 9/11/13	G m7 b9/11/b13	D \sharp /E \flat _I C _A
Mixolydian	G \sharp /A \flat M7 9/11/13	A \sharp /B \flat m7 9/11/b13	C \emptyset b9/11/b13	C \sharp /D \flat M Δ 9/11/13	D \sharp /E \flat m7 9/11/13	F m7 b9/11/b13	F \sharp /G \flat M Δ 9/11/13	C \sharp /D \flat _I A \sharp /B \flat _A
Aeolian	G \sharp /A \flat m7 9/11/b13	A \sharp /B \flat \emptyset b9/11/b13	B M Δ 9/11/13	C \sharp /D \flat m7 9/11/13	D \sharp /E \flat m7 b9/11/b13	E M Δ 9/11/13	F \sharp /G \flat M7 9/11/13	B _I G \sharp /A \flat _A
Locrian	G \sharp /A \flat \emptyset b9/11/b13	A M Δ 9/11/13	B m7 9/11/13	C \sharp /D \flat m7 b9/11/b13	D M Δ 9/11/13	E M7 9/11/13	F \sharp /G \flat m7 9/11/b13	A _I F \sharp /G \flat _A
Melodic	G \sharp /A \flat m Δ 9/11/13	A \sharp /B \flat m7 b9/11/13	B M+ Δ 9/11/13	C \sharp /D \flat M7 9/11/13	D \sharp /E \flat M7 9/11/b13	F \emptyset 9/11/b13	G M7 altered	G \sharp /A \flat _M
Dorian \flat 2	G \sharp /A \flat m7 b9/11/13	A M+ Δ 9/11/13	B M7 9/11/13	C \sharp /D \flat m7 9/11/b13	D \sharp /E \flat \emptyset 9/11/b13	F M7 altered	F \sharp /G \flat m Δ 9/11/13	F \sharp /G \flat _M
Lyd. Aug.	G \sharp /A \flat M+ Δ 9/11/13	A \sharp /B \flat M7 9/11/13	C M7 9/11/b13	D \emptyset 9/11/b13	E M7 altered	F m Δ 9/11/13	G m7 b9/11/13	F _M
Lyd. Dom.	G \sharp /A \flat M7 9/11/13	A \sharp /B \flat M7 9/11/b13	C \emptyset 9/11/b13	D M7 altered	D \sharp /E \flat m Δ 9/11/13	F m7 b9/11/13	F \sharp /G \flat M+ Δ 9/11/13	D \sharp /E \flat _M
Aeol. Dom.	G \sharp /A \flat M7 9/11/b13	A \sharp /B \flat \emptyset 9/11/b13	C M7 altered	C \sharp /D \flat m Δ 9/11/13	D \sharp /E \flat m7 b9/11/13	E M+ Δ 9/11/13	F \sharp /G \flat M7 9/11/13	C \sharp /D \flat _M
Locrian \sharp 2	G \sharp /A \flat \emptyset 9/11/b13	A \sharp /B \flat M7 altered	B m Δ 9/11/13	C \sharp /D \flat m7 b9/11/13	D M+ Δ 9/11/13	E M7 9/11/13	F \sharp /G \flat M7 9/11/b13	B _M
Superlocr.	G \sharp /A \flat M7 altered	A m Δ 9/11/13	B m7 b9/11/13	C M+ Δ 9/11/13	D M7 9/11/13	E M7 9/11/b13	F \sharp /G \flat \emptyset 9/11/b13	A _M
Harmonic	G \sharp /A \flat m Δ 9/11/b13	A \sharp /B \flat \emptyset b9/11/13	B M+ Δ 9/11/13	C \sharp /D \flat m7 9/11/13	D \sharp /E \flat M7 b9/11/b13	E M Δ 11/11/13	G \circ b9/b11/b13	G \sharp /A \flat _H
Locrian \sharp 6	G \sharp /A \flat \emptyset b9/11/13	A M+ Δ 9/11/13	B m7 9/11/13	C \sharp /D \flat M7 b9/11/b13	D M Δ 11/11/13	F \circ b9/b11/b13	F \sharp /G \flat m Δ 9/11/b13	F \sharp /G \flat _H
Ion. Aug.	G \sharp /A \flat M+ Δ 9/11/13	A \sharp /B \flat m7 9/11/13	C M7 b9/11/b13	C \sharp /D \flat M Δ 11/11/13	E \circ b9/b11/b13	F m Δ 9/11/b13	G \emptyset b9/11/13	F _H
Dorian \sharp 4	G \sharp /A \flat m7 9/11/13	A \sharp /B \flat M7 b9/11/b13	B M Δ 11/11/13	D \circ b9/b11/b13	D \sharp /E \flat m Δ 9/11/b13	F \emptyset b9/11/13	F \sharp /G \flat M+ Δ 9/11/13	D \sharp /E \flat _H
Phr. Dom.	G \sharp /A \flat M7 b9/11/b13	A M Δ 11/11/13	C \circ b9/b11/b13	C \sharp /D \flat m Δ 9/11/b13	D \sharp /E \flat \emptyset b9/11/13	E M+ Δ 9/11/13	F \sharp /G \flat m7 9/11/13	C \sharp /D \flat _H
Lydian \sharp 2	G \sharp /A \flat M Δ 11/11/13	B \circ b9/b11/b13	C m Δ 9/11/b13	D \emptyset b9/11/13	D \sharp /E \flat M+ Δ 9/11/13	F m7 9/11/13	G M7 b9/11/b13	C _H
Altered \flat 7	G \sharp /A \flat \circ b9/b11/b13	A m Δ 9/11/13	B \emptyset b9/11/13	C M+ Δ 9/11/13	D m7 9/11/13	E M7 b9/11/b13	F M Δ 11/11/13	A _H

Tonality: A

Tonal Scale	I	II	III	IV	V	VI	VII	Scale
Ionian	A MΔ 9/11/13	B m7 9/11/13	C♯/D♭ m7 ♭9/11/♭13	D MΔ 9/♯11/13	E M7 9/11/13	F♯/G♭ m7 9/11/♭13	G♯/A♭ ø ♭9/11/♭13	A _I F♯/G♭ _A
Dorian	A m7 9/11/13	B m7 ♭9/11/♭13	C MΔ 9/♯11/13	D M7 9/11/13	E m7 9/11/♭13	F♯/G♭ ø ♭9/11/♭13	G MΔ 9/11/13	G _I E _A
Phrygian	A m7 ♭9/11/♭13	A♯/B♭ MΔ 9/♯11/13	C M7 9/11/13	D m7 9/11/♭13	E ø ♭9/11/♭13	F MΔ 9/11/13	G m7 9/11/13	F _I D _A
Lydian	A MΔ 9/♯11/13	B M7 9/11/13	C♯/D♭ m7 9/11/♭13	D♯/E♭ ø ♭9/11/♭13	E MΔ 9/11/13	F♯/G♭ m7 9/11/13	G♯/A♭ m7 ♭9/11/♭13	E _I C♯/D♭ _A
Mixolydian	A M7 9/11/13	B m7 9/11/♭13	C♯/D♭ ø ♭9/11/♭13	D MΔ 9/11/13	E m7 9/11/13	F♯/G♭ m7 ♭9/11/♭13	G MΔ 9/♯11/13	D _I B _A
Aeolian	A m7 9/11/♭13	B ø ♭9/11/♭13	C MΔ 9/11/13	D m7 9/11/13	E m7 ♭9/11/♭13	F MΔ 9/♯11/13	G M7 9/11/13	C _I A _A
Locrian	A ø ♭9/11/♭13	A♯/B♭ MΔ 9/11/13	C m7 9/11/13	D m7 ♭9/11/♭13	D♯/E♭ MΔ 9/♯11/13	F M7 9/11/13	G m7 9/11/♭13	A♯/B♭ _I G _A
Melodic	A mΔ 9/11/13	B m7 ♭9/11/13	C M+Δ 9/♯11/13	D M7 9/♯11/13	E M7 9/11/♭13	F♯/G♭ ø 9/11/♭13	G♯/A♭ M7 altered	A _M
Dorian ♭2	A m7 ♭9/11/13	A♯/B♭ M+Δ 9/♯11/13	C M7 9/♯11/13	D M7 9/11/♭13	E ø 9/11/♭13	F♯/G♭ M7 altered	G mΔ 9/11/13	G _M
Lyd. Aug.	A M+Δ 9/♯11/13	B M7 9/♯11/13	C♯/D♭ M7 9/11/♭13	D♯/E♭ ø 9/11/♭13	F M7 altered	F♯/G♭ mΔ 9/11/13	G♯/A♭ m7 ♭9/11/13	F♯/G♭ _M
Lyd. Dom.	A M7 9/♯11/13	B M7 9/11/♭13	C♯/D♭ ø 9/11/♭13	D♯/E♭ M7 altered	E mΔ 9/11/13	F♯/G♭ m7 ♭9/11/13	G M+Δ 9/♯11/13	E _M
Aeol. Dom.	A M7 9/11/♭13	B ø 9/11/♭13	C♯/D♭ M7 altered	D mΔ 9/11/13	E m7 ♭9/11/13	F M+Δ 9/♯11/13	G M7 9/♯11/13	D _M
Locrian ♯2	A ø 9/11/♭13	B M7 altered	C mΔ 9/11/13	D m7 ♭9/11/13	D♯/E♭ M+Δ 9/♯11/13	F M7 9/♯11/13	G M7 9/11/♭13	C _M
Superlocr.	A M7 altered	A♯/B♭ mΔ 9/11/13	C m7 ♭9/11/13	C♯/D♭ M+Δ 9/♯11/13	D♯/E♭ M7 9/♯11/13	F M7 9/11/♭13	G ø 9/11/♭13	A♯/B♭ _M
Harmonic	A mΔ 9/11/♭13	B ø ♭9/11/13	C M+Δ 9/11/13	D m7 9/♯11/13	E M7 ♭9/11/♭13	F MΔ ♯9/♯11/13	G♯/A♭ ø ♭9/♭11/♭13	A _H
Locrian ♯6	A ø ♭9/11/13	A♯/B♭ M+Δ 9/11/13	C m7 9/♯11/13	D M7 ♭9/11/♭13	D♯/E♭ MΔ ♯9/♯11/13	F♯/G♭ ø ♭9/♭11/♭13	G mΔ 9/11/♭13	G _H
Ion. Aug.	A M+Δ 9/11/13	B m7 9/♯11/13	C♯/D♭ M7 ♭9/11/♭13	D MΔ ♯9/♯11/13	F ø ♭9/♭11/♭13	F♯/G♭ mΔ 9/11/♭13	G♯/A♭ ø ♭9/11/13	F♯/G♭ _H
Dorian ♯4	A m7 9/♯11/13	B M7 ♭9/11/♭13	C MΔ ♯9/♯11/13	D♯/E♭ ø ♭9/♭11/♭13	E mΔ 9/11/♭13	F♯/G♭ ø ♭9/11/13	G M+Δ 9/11/13	E _H
Phr. Dom.	A M7 ♭9/11/♭13	A♯/B♭ MΔ ♯9/♯11/13	C♯/D♭ ø ♭9/♭11/♭13	D mΔ 9/11/♭13	E ø ♭9/11/13	F M+Δ 9/11/13	G m7 9/♯11/13	D _H
Lydian ♯2	A MΔ ♯9/♯11/13	C ø ♭9/♭11/♭13	C♯/D♭ mΔ 9/11/♭13	D♯/E♭ ø ♭9/11/13	E M+Δ 9/11/13	F♯/G♭ m7 9/♯11/13	G♯/A♭ M7 ♭9/11/♭13	C♯/D♭ _H
Altered ♭♭7	A ø ♭9/♭11/♭13	A♯/B♭ mΔ 9/11/♭13	C ø ♭9/11/13	C♯/D♭ M+Δ 9/11/13	D♯/E♭ m7 9/♯11/13	F M7 ♭9/11/♭13	F♯/G♭ MΔ ♯9/♯11/13	A♯/B♭ _H

Tonality: A \sharp /B \flat

Tonal Scale	I	II	III	IV	V	VI	VII	Scale
Ionian	A \sharp /B \flat M Δ 9/11/13	C m7 9/11/13	D m7 b9/11/b13	D \sharp /E \flat M Δ 9/11/13	F M7 9/11/13	G m7 9/11/b13	A \emptyset b9/11/b13	A \sharp /B \flat _I G _A
Dorian	A \sharp /B \flat m7 9/11/13	C m7 b9/11/b13	C \sharp /D \flat M Δ 9/11/13	D \sharp /E \flat M7 9/11/13	F m7 9/11/b13	G \emptyset b9/11/b13	G \sharp /A \flat M Δ 9/11/13	G \sharp /A \flat _I F _A
Phrygian	A \sharp /B \flat m7 b9/11/b13	B M Δ 9/11/13	C \sharp /D \flat M7 9/11/13	D \sharp /E \flat m7 9/11/b13	F \emptyset b9/11/b13	F \sharp /G \flat M Δ 9/11/13	G \sharp /A \flat m7 9/11/13	F \sharp /G \flat _I D \sharp /E \flat _A
Lydian	A \sharp /B \flat M Δ 9/11/13	C M7 9/11/13	D m7 9/11/b13	E \emptyset b9/11/b13	F M Δ 9/11/13	G m7 9/11/13	A m7 b9/11/b13	F _I D _A
Mixolydian	A \sharp /B \flat M7 9/11/13	C m7 9/11/b13	D \emptyset b9/11/b13	D \sharp /E \flat M Δ 9/11/13	F m7 9/11/13	G m7 b9/11/b13	G \sharp /A \flat M Δ 9/11/13	D \sharp /E \flat _I C _A
Aeolian	A \sharp /B \flat m7 9/11/b13	C \emptyset b9/11/b13	C \sharp /D \flat M Δ 9/11/13	D \sharp /E \flat m7 9/11/13	F m7 b9/11/b13	F \sharp /G \flat M Δ 9/11/13	G \sharp /A \flat M7 9/11/13	C \sharp /D \flat _I A \sharp /B \flat _A
Locrian	A \sharp /B \flat \emptyset b9/11/b13	B M Δ 9/11/13	C \sharp /D \flat m7 9/11/13	D \sharp /E \flat m7 b9/11/b13	E M Δ 9/11/13	F \sharp /G \flat M7 9/11/13	G \sharp /A \flat m7 9/11/b13	B _I G \sharp /A \flat _A
Melodic	A \sharp /B \flat m Δ 9/11/13	C m7 b9/11/13	C \sharp /D \flat M+ Δ 9/11/13	D \sharp /E \flat M7 9/11/13	F M7 9/11/b13	G \emptyset 9/11/b13	A M7 altered	A \sharp /B \flat _M
Dorian \flat 2	A \sharp /B \flat m7 b9/11/13	B M+ Δ 9/11/13	C \sharp /D \flat M7 9/11/13	D \sharp /E \flat M7 9/11/b13	F \emptyset 9/11/b13	G M7 altered	G \sharp /A \flat m Δ 9/11/13	G \sharp /A \flat _M
Lyd. Aug.	A \sharp /B \flat M+ Δ 9/11/13	C M7 9/11/13	D M7 9/11/b13	E \emptyset 9/11/b13	F \sharp /G \flat M7 altered	G m Δ 9/11/13	A m7 b9/11/13	G _M
Lyd. Dom.	A \sharp /B \flat M7 9/11/13	C M7 9/11/b13	D \emptyset 9/11/b13	E M7 altered	F m Δ 9/11/13	G m7 b9/11/13	G \sharp /A \flat M+ Δ 9/11/13	F _M
Aeol. Dom.	A \sharp /B \flat M7 9/11/b13	C \emptyset 9/11/b13	D M7 altered	D \sharp /E \flat m Δ 9/11/13	F m7 b9/11/13	F \sharp /G \flat M+ Δ 9/11/13	G \sharp /A \flat M7 9/11/13	D \sharp /E \flat _M
Locrian \sharp 2	A \sharp /B \flat \emptyset 9/11/b13	C M7 altered	C \sharp /D \flat m Δ 9/11/13	D \sharp /E \flat m7 b9/11/13	E M+ Δ 9/11/13	F \sharp /G \flat M7 9/11/13	G \sharp /A \flat M7 9/11/b13	C \sharp /D \flat _M
Superlocr.	A \sharp /B \flat M7 altered	B m Δ 9/11/13	C \sharp /D \flat m7 b9/11/13	D M+ Δ 9/11/13	E M7 9/11/13	F \sharp /G \flat M7 9/11/b13	G \sharp /A \flat \emptyset 9/11/b13	B _M
Harmonic	A \sharp /B \flat m Δ 9/11/b13	C \emptyset b9/11/13	C \sharp /D \flat M+ Δ 9/11/13	D \sharp /E \flat m7 9/11/13	F M7 b9/11/b13	F \sharp /G \flat M Δ 11/13/13	A \circ b9/b11/b13	A \sharp /B \flat _H
Locrian \sharp 6	A \sharp /B \flat \emptyset b9/11/13	B M+ Δ 9/11/13	C \sharp /D \flat m7 9/11/13	D \sharp /E \flat M7 b9/11/b13	E M Δ 11/13/13	G \circ b9/b11/b13	G \sharp /A \flat m Δ 9/11/b13	G \sharp /A \flat _H
Ion. Aug.	A \sharp /B \flat M+ Δ 9/11/13	C m7 9/11/13	D M7 b9/11/b13	D \sharp /E \flat M Δ 11/13/13	F \sharp /G \flat \circ b9/b11/b13	G m Δ 9/11/b13	A \emptyset b9/11/13	G _H
Dorian \sharp 4	A \sharp /B \flat m7 9/11/13	C M7 b9/11/b13	C \sharp /D \flat M Δ 11/13/13	E \circ b9/b11/b13	F m Δ 9/11/b13	G \emptyset b9/11/13	G \sharp /A \flat M+ Δ 9/11/13	F _H
Phr. Dom.	A \sharp /B \flat M7 b9/11/b13	B M Δ 11/13/13	D \circ b9/b11/b13	D \sharp /E \flat m Δ 9/11/b13	F \emptyset b9/11/13	F \sharp /G \flat M+ Δ 9/11/13	G \sharp /A \flat m7 9/11/13	D \sharp /E \flat _H
Lydian \sharp 2	A \sharp /B \flat M Δ 11/13/13	C \sharp /D \flat \circ b9/b11/b13	D m Δ 9/11/b13	E \emptyset b9/11/13	F M+ Δ 9/11/13	G m7 9/11/13	A M7 b9/11/b13	D _H
Altered \flat 7	A \sharp /B \flat \circ b9/b11/b13	B m Δ 9/11/b13	C \sharp /D \flat \emptyset b9/11/13	D M+ Δ 9/11/13	E m7 9/11/13	F \sharp /G \flat M7 b9/11/b13	G M Δ 11/13/13	B _H

Tonality: B

Tonal Scale	I	II	III	IV	V	VI	VII	Scale
Ionian	B MΔ 9/11/13	C♯/D♭ m7 9/11/13	D♯/E♭ m7 ♭9/11/♭13	E MΔ 9/♯11/13	F♯/G♭ M7 9/11/13	G♯/A♭ m7 9/11/♭13	A♯/B♭ ∅ ♭9/11/♭13	B _I G♯/A♭ _A
Dorian	B m7 9/11/13	C♯/D♭ m7 ♭9/11/♭13	D MΔ 9/♯11/13	E M7 9/11/13	F♯/G♭ m7 9/11/♭13	G♯/A♭ ∅ ♭9/11/♭13	A MΔ 9/11/13	A _I F♯/G♭ _A
Phrygian	B m7 ♭9/11/♭13	C MΔ 9/♯11/13	D M7 9/11/13	E m7 9/11/♭13	F♯/G♭ ∅ ♭9/11/♭13	G MΔ 9/11/13	A m7 9/11/13	G _I E _A
Lydian	B MΔ 9/♯11/13	C♯/D♭ M7 9/11/13	D♯/E♭ m7 9/11/♭13	F ∅ ♭9/11/♭13	F♯/G♭ MΔ 9/11/13	G♯/A♭ m7 9/11/13	A♯/B♭ m7 ♭9/11/♭13	F♯/G♭ _I D♯/E♭ _A
Mixolydian	B M7 9/11/13	C♯/D♭ m7 9/11/♭13	D♯/E♭ ∅ ♭9/11/♭13	E MΔ 9/11/13	F♯/G♭ m7 9/11/13	G♯/A♭ m7 ♭9/11/♭13	A MΔ 9/♯11/13	E _I C♯/D♭ _A
Aeolian	B m7 9/11/♭13	C♯/D♭ ∅ ♭9/11/♭13	D MΔ 9/11/13	E m7 9/11/13	F♯/G♭ m7 ♭9/11/♭13	G MΔ 9/♯11/13	A M7 9/11/13	D _I B _A
Locrian	B ∅ ♭9/11/♭13	C MΔ 9/11/13	D m7 9/11/13	E m7 ♭9/11/♭13	F MΔ 9/♯11/13	G M7 9/11/13	A m7 9/11/♭13	C _I A _A
Melodic	B mΔ 9/11/13	C♯/D♭ m7 ♭9/11/13	D M+Δ 9/♯11/13	E M7 9/♯11/13	F♯/G♭ M7 9/11/♭13	G♯/A♭ ∅ 9/11/♭13	A♯/B♭ M7 altered	B _M
Dorian ♭2	B m7 ♭9/11/13	C M+Δ 9/♯11/13	D M7 9/♯11/13	E M7 9/11/♭13	F♯/G♭ ∅ 9/11/♭13	G♯/A♭ M7 altered	A mΔ 9/11/13	A _M
Lyd. Aug.	B M+Δ 9/♯11/13	C♯/D♭ M7 9/♯11/13	D♯/E♭ M7 9/11/♭13	F ∅ 9/11/♭13	G M7 altered	G♯/A♭ mΔ 9/11/13	A♯/B♭ m7 ♭9/11/13	G♯/A♭ _M
Lyd. Dom.	B M7 9/♯11/13	C♯/D♭ M7 9/11/♭13	D♯/E♭ ∅ 9/11/♭13	F M7 altered	F♯/G♭ mΔ 9/11/13	G♯/A♭ m7 ♭9/11/13	A M+Δ 9/♯11/13	F♯/G♭ _M
Aeol. Dom.	B M7 9/11/♭13	C♯/D♭ ∅ 9/11/♭13	D♯/E♭ M7 altered	E mΔ 9/11/13	F♯/G♭ m7 ♭9/11/13	G M+Δ 9/♯11/13	A M7 9/♯11/13	E _M
Locrian ♯2	B ∅ 9/11/♭13	C♯/D♭ M7 altered	D mΔ 9/11/13	E m7 ♭9/11/13	F M+Δ 9/♯11/13	G M7 9/♯11/13	A M7 9/11/♭13	D _M
Superlocr.	B M7 altered	C mΔ 9/11/13	D m7 ♭9/11/13	D♯/E♭ M+Δ 9/♯11/13	F M7 9/♯11/13	G M7 9/11/♭13	A ∅ 9/11/♭13	C _M
Harmonic	B mΔ 9/11/♭13	C♯/D♭ ∅ ♭9/11/13	D M+Δ 9/11/13	E m7 9/♯11/13	F♯/G♭ M7 ♭9/11/♭13	G MΔ ♯9/♯11/13	A♯/B♭ ∅ ♭9/♭11/♭13	B _H
Locrian ♯6	B ∅ ♭9/11/13	C M+Δ 9/11/13	D m7 9/♯11/13	E M7 ♭9/11/♭13	F MΔ ♯9/♯11/13	G♯/A♭ ∅ ♭9/♭11/♭13	A mΔ 9/11/♭13	A _H
Ion. Aug.	B M+Δ 9/11/13	C♯/D♭ m7 9/♯11/13	D♯/E♭ M7 ♭9/11/♭13	E MΔ ♯9/♯11/13	G ∅ ♭9/♭11/♭13	G♯/A♭ mΔ 9/11/♭13	A♯/B♭ ∅ ♭9/11/13	G♯/A♭ _H
Dorian ♯4	B m7 9/♯11/13	C♯/D♭ M7 ♭9/11/♭13	D MΔ ♯9/♯11/13	F ∅ ♭9/♭11/♭13	F♯/G♭ mΔ 9/11/♭13	G♯/A♭ ∅ ♭9/11/13	A M+Δ 9/11/13	F♯/G♭ _H
Phr. Dom.	B M7 ♭9/11/♭13	C MΔ ♯9/♯11/13	D♯/E♭ ∅ ♭9/♭11/♭13	E mΔ 9/11/♭13	F♯/G♭ ∅ ♭9/11/13	G M+Δ 9/11/13	A m7 9/♯11/13	E _H
Lydian ♯2	B MΔ ♯9/♯11/13	D ∅ ♭9/♭11/♭13	D♯/E♭ mΔ 9/11/♭13	F ∅ ♭9/11/13	F♯/G♭ M+Δ 9/11/13	G♯/A♭ m7 9/♯11/13	A♯/B♭ M7 ♭9/11/♭13	D♯/E♭ _H
Altered ♭7	B ∅ ♭9/♭11/♭13	C mΔ 9/11/♭13	D ∅ ♭9/11/13	D♯/E♭ M+Δ 9/11/13	F m7 9/♯11/13	G M7 ♭9/11/♭13	G♯/A♭ MΔ ♯9/♯11/13	C _H