

# Lightning Field

(2015)

John Mackey

Commissioned by the Patrick Marsh Middle School School Bands,  
Chris Gleason, Director

perusal use only

# **Instrumentation**

2 Flutes  
Oboe(s)  
Bassoon(s)

2 Clarinets in Bb  
Bass Clarinet in Bb  
Contra-alto / Contrabass Clarinet (optional)

2 Alto Saxes  
Tenor Sax  
Baritone Sax

2 Trumpets in Bb  
French Horns  
2 Trombones  
Euphonium  
Tuba

Prepared Piano (with light-weight chain or glass rods placed on the strings  
- optional, but strongly preferred)

## **Percussion:**

3 Thunder Tubes (can be purchased or made),  
spread antiphonally behind the audience (left, center, right) if possible  
(can be placed on far sides of stage if necessary)

Timpani

Xylophone

Marimba

Vibraphone

Tambourine

4 Tom-Toms

Triangle and 3 suspended cymbals (splash, China, suspended crash)

Bass drum

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# Lightning Field

John Mackey

♩ = 60

for Davy Rakowski

The musical score is for a 4/4 piece titled "Lightning Field" by John Mackey, composed for Davy Rakowski. The tempo is marked as ♩ = 60. The score is arranged for a full orchestra and includes the following instruments and parts:

- Flute 1
- Flute 2
- Oboe
- Bassoon
- B♭ Clarinet 1
- B♭ Clarinet 2
- Bass Clarinet
- Contrabass Clarinet (optional)
- Alto Sax 1-2
- Tenor Sax
- Baritone Sax
- Trumpet 1-2
- Horn
- Trombone 1-2
- Euphonium
- Tuba
- Piano
- Thunder Tube - left
- Thunder Tube - ctr.
- Thunder Tube - rgt.
- Timpani
- Xylophone
- Marimba
- Vibraphone
- Tam-tam
- 4 Tom-Toms
- Trg. & Sus. Cymb.
- Bass Drum

The score features a large, diagonal watermark that reads "FOR PERSAL USE ONLY". The music includes various dynamics such as *p*, *f*, *mp*, *mf*, *pp*, and *ppp*, as well as performance instructions like "prepared, if possible, with a lightweight chain or glass rod resting across all strings" for the piano and "shake" for the thunder tubes. The score is written in 4/4 time and includes a key signature of one flat (B♭).



17 **A** ♩ = 180

FL. 1  
FL. 2  
Ob.  
Bsn.  
Clar. 1  
Clar. 2  
Bs. Cl.  
Cb. Cl.  
A. Sx.  
T. Sx.  
B. Sx.

**A** ♩ = 180

Tpt.  
Horn  
Tbn.  
Euph.  
Tuba

Pno.

Thnd - L  
Thnd - C  
Thnd - R

**A** ♩ = 180

Timp.  
Xyl.  
Mrb.  
Vibes.  
Tamb.  
Toms  
Cymb.  
BD

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27

B

FL. 1 *fp* *f* *mf* *cresc.*

FL. 2 *fp* *f* *mf* *cresc.*

Ob. *mf* *f* *mf* *cresc.*

Bsn. *mf* *f* *mf*

Clar. 1 *f*

Clar. 2 *f*

Bs. Cl. *mf* *f* *mf* *cresc.*

Cb. Cl. *mf* *cresc.*

A. Sx. *fp* *f* *mf* *cresc.*

T. Sx. *f* *mf* *cresc.*

B. Sx. *f* *mf* *cresc.*

Tpt. *f* *mf* *cresc.*

Horn *fp* *f* *f* *mf* *cresc.*

Tbn. *a 2* *mf* *f* *mf* *f*

Euph. *mf* *f* *mf* *mf*

Tuba *f* *mf* *f*

Pno. *mf* *cresc.*

Thnd - L *f* *pp*

Thnd - C *f*

Thnd - R *pp* *mf*

Timp. *mf* *mf* *cresc.*

Xyl. *mf* *cresc.*

Mrb. *mf* *cresc.*

Vibes

Tamb. *med. hard mallets (not sticks)* *mf*

Toms *f* *mf* *cresc.*

Cymb.

BD *mp* *cresc.*

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38

This page contains a musical score for page 38, featuring a variety of instruments. The woodwind section includes Flutes 1 and 2, Oboe, Bassoon, Clarinets 1 and 2, Bass Clarinet, and Contrabass Clarinet. The brass section includes Trumpets, Horns, Trombones, Euphonium, and Tuba. The string section includes Violins (A and T), Viola, and Cello. The percussion section includes Snare Drum (L, C, R), Tom-toms, Xylophone, Maracas, Vibes, Tambourine, Tom-toms, Cymbals, and Bass Drum. The score includes dynamic markings such as *f*, *cresc.*, *fp*, *mf*, *ff*, and *pp*. Performance instructions include *tr* (trills) and *con sord. - straight*. A large diagonal watermark "for personal use only" is overlaid across the page.

45 **C**

Fl. 1 *ff*

Fl. 2 *ff*

Ob. *ff*

Bsn. *ff*

Clar. 1 *ff*

Clar. 2 *ff*

Bs. Cl. *ff*

Cb. Cl. *ff*

A. Sx. *ff*

T. Sx. *ff*

B. Sx. *ff*

**C** *ff*

Tpt. *ff*

Horn *ff*

Tbn. *ff*

Euph. *ff*

Tuba *ff*

Pno. *mp*

Thnd - L *ff*

Thnd - C *ff*

Thnd - R *ff*

**C** *ff*

Timp. *ff*  
yarn mallets

Xyl. *mp*

Mrb. *mp*

Vibes *mp*

Tamb. *ff*

Toms *ff*

Cymb. *f*

BD *f*

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53

D

Fl. 1, Fl. 2, Ob., Bsn., Clar. 1, Clar. 2, Bs. Cl., Cb. Cl., A. Sx., T. Sx., B. Sx., Tpt., Horn, Tbn., Euph., Tuba, Pno., Thnd - L, Thnd - C, Thnd - R, Timp., Xyl., Mrb., Vibes, Tamb., Toms, Cymb., BD

*for personal use only*

Fl. 1, 2, Ob., Bsn.: *f* [Measures 53-56] *mf* [Measure 57]

Clar. 1, 2, Bs. Cl., Cb. Cl.: *p* [Measures 53-54] *f* [Measures 55-56] *p* [Measure 57] *f* [Measure 58]

A. Sx., T. Sx., B. Sx.: *p* [Measures 53-54] *f* [Measures 55-56] *p* [Measure 57] *fp* [Measure 58] *mf* [Measures 59-60]

Tpt.: *mf* [Measures 59-60]

Pno.: *p* [Measures 53-54] *f* [Measures 55-56] *f* [Measures 57-58] *mf* [Measures 59-60]

Thnd - L, C, R: *p* [Measures 53-54] *mf* [Measures 55-56] (shake) *mf* [Measures 57-58]

Timp., Xyl., Mrb., Vibes, Tamb., Toms, Cymb., BD: *pp* [Measures 53-54] *mp* [Measures 55-56] *mf* [Measures 57-58]

Vibes: *ff* [Measures 57-58] *b<sup>b</sup>3* [Measures 59-60]

Instructions: *scrape spring with metal rod* (Measures 57-58), (shake) (Measures 57-58)

Measure numbers: 53, 54, 55, 56, 57, 58, 59, 60

61

Musical score for orchestra and woodwinds, measures 61-64. The score includes parts for Flute 1 & 2, Oboe, Bassoon, Clarinet 1 & 2, Bass Clarinet, Contrabass Clarinet, Saxophones (Alto, Tenor, Baritone), Trumpet, Horn, Trombone, Euphonium, Tuba, Piano, Percussion (Tom-toms, Snare, Cymbal, Bass Drum, Triangle, Gong, Xylophone, Maracas, Vibes, Tambourine), and Three Tom-toms (L, C, R). The score features dynamic markings such as *p*, *mp*, *mf*, and *f*. The percussion section includes a specific instruction: "scrape spring with metal rod" for the Triangle. The score is divided into measures 61, 62, 63, and 64. The time signature changes from 2/4 to 4/4 and back to 2/4. A large diagonal watermark "for personal use only" is overlaid on the score.

E

For Personal Use Only

FL. 1  
FL. 2  
Ob.  
Bsn.  
Clar. 1  
Clar. 2  
Bs. Cl.  
Cb. Cl.  
A. Sx.  
T. Sx.  
B. Sx.  
Tpt.  
Horn  
Tbn.  
Euph.  
Tuba  
Pno.  
Thnd - L  
Thnd - C  
Thnd - R  
Timp.  
Xyl.  
Mrb.  
Vibes  
Tamb.  
Toms  
Cymb.  
BD

2/4 4/4  
2/4 4/4  
2/4 4/4  
2/4 4/4  
2/4 4/4  
2/4 4/4  
2/4 4/4  
2/4 4/4  
2/4 4/4

*mf*  
*mf*  
*mp*  
*f*  
*mf*  
*f*  
*mp*  
*f*  
*mf*  
*mf*  
*mf*

1.  
a 2.  
1.  
1.  
8<sup>va</sup>  
8<sup>vb</sup>

Musical score for page 75, featuring a variety of instruments. The score includes parts for Flutes (Fl. 1, Fl. 2), Oboe (Ob.), Bassoon (Bsn.), Clarinets (Clar. 1, Clar. 2), Bass Clarinet (Bs. Cl.), Contrabass Clarinet (Cb. Cl.), Saxophones (A. Sx., T. Sx., B. Sx.), Trumpets (Tpt.), Horns (Horn), Trombones (Tbn.), Euphonium (Euph.), Tuba, Piano (Pno.), and Percussion (Thnd - L, Thnd - C, Thnd - R, Timp., Xyl., Mrb., Vibes, Tamb., Toms, Cymb., BD). Dynamics such as *mp*, *p*, *f*, *mf*, and *pp* are indicated throughout. A specific instruction for the strings reads: "run finger & thumb quickly down length of spring". A large diagonal watermark "for personal use only" is present across the page.

FL. 1  
FL. 2  
Ob.  
Bsn.  
Clar. 1  
Clar. 2  
Bs. Cl.  
Cb. Cl.  
A. Sx.  
T. Sx.  
B. Sx.  
Tpt.  
Horn  
Tbn.  
Euph.  
Tuba  
Pno.  
Thnd - L  
Thnd - C  
Thnd - R  
Timp.  
Xyl.  
Mrb.  
Vibes  
Tamb.  
Toms  
Cymb.  
BD

The musical score for page 82 includes the following instruments and parts:

- Flutes:** Fl. 1 and Fl. 2
- Woodwinds:** Oboe (Ob.), Bassoon (Bsn.), Clarinet 1 (Clar. 1), Clarinet 2 (Clar. 2), Bass Clarinet (Bs. Cl.), and Contrabass Clarinet (Cb. Cl.)
- Saxophones:** Alto Saxophone (A. Sx.), Tenor Saxophone (T. Sx.), and Baritone Saxophone (B. Sx.)
- Brass:** Trumpet (Tpt.), Horn, Trombone (Tbn.), Euphonium (Euph.), and Tuba
- Percussion:** Piano (Pno.), Three Tom-toms (Thnd - L, Thnd - C, Thnd - R), Timpani (Timp.), Xylophone (Xyl.), Maracas (Mrb.), Vibraphone (Vibes), Tambourine (Tamb.), Tom-toms (Toms), Cymbal (Cymb.), and Bass Drum (BD)

Dynamic markings include *ff*, *f*, *mf*, *p*, and *mp*. Performance instructions for the Tom-toms include: "run finger & thumb quickly down length of spring".

for personal use only

Fl. 1  
Fl. 2  
Ob.  
Bsn.  
Clar. 1  
Clar. 2  
Bs. Cl.  
Cb. Cl.  
A. Sx.  
T. Sx.  
B. Sx.  
Tpt.  
Horn  
Tbn.  
Euph.  
Tuba  
Pno.  
Thnd - L  
Thnd - C  
Thnd - R  
Timp.  
Xyl.  
Mrb.  
Vibes  
Tamb.  
Toms  
Cymb.  
BD



95 **G**

The musical score is arranged in systems for various instruments. The woodwinds (Flutes 1 & 2, Oboe, Bassoon, Clarinets 1 & 2, Bass Clarinet, Cor Anglais, Saxophones Alto, Tenor, Bass) and brasses (Trumpets, Horns, Trombones, Euphonium, Tuba) play a rhythmic accompaniment of eighth notes, primarily in a *ff* (fortissimo) dynamic. The strings (Violins I & II, Violas, Cellos, Double Basses) are not clearly visible in this section. The piano part features a steady eighth-note accompaniment. The percussion section includes Timpani, Xylophone, Maracas, Vibraphone, Tambourine, Tom-toms, and Cymbals, with dynamic markings ranging from *f* to *ff*. The drum set (BD) plays a consistent pattern.

Specific performance instructions include:

- senza sord.* (without mutes) for the trumpet part.
- strike spring with metal rod* for the three snare drum parts (Thnd - L, Thnd - C, Thnd - R).

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109



Musical score for various instruments including Flutes (Fl. 1, 2), Oboe (Ob.), Bassoon (Bsn.), Clarinets (Clar. 1, 2), Bass Clarinet (Bs. Cl.), Contrabass Clarinet (Cb. Cl.), Saxophones (A. Sx., T. Sx., B. Sx.), Trumpets (Tpt.), Horns (Horn), Trombones (Tbn.), Euphonium (Euph.), Tuba, Piano (Pno.), Snare Drums (Thnd - L, C, R), Timpani (Timp.), Xylophone (Xyl.), Maracas (Mrb.), Vibes, Tambourine (Tamb.), Tom-toms (Toms), Cymbals (Cymb.), and Bass Drum (BD). The score includes dynamic markings such as *mp*, *f*, *ff*, and *fff*, and time signatures like 4/4 and 2/4. Performance instructions include 'strike with metal rod' for the snare drums and 'run finger & thumb quickly down length of spring' for the maracas and vibes. A large diagonal watermark 'for personal use only' is overlaid across the page.



run finger & thumb quickly down length of spring

run finger & thumb quickly down length of spring

run finger & thumb quickly down length of spring



run finger & thumb quickly down length of spring

114

Fl. 1 *ff*

Fl. 2 *ff*

Ob.

Bsn. *f*

Clar. 1 *f* *p*

Clar. 2 *f*

Bs. Cl. *f* *mf* *p*

Cb. Cl. *p*

A. Sx. *f* *mf*

T. Sx. *mf*

B. Sx. *mf* *mf* *p*

Tpt.

Horn *f*

Tbn.

Euph.

Tuba *p*

Pno. *mf*

Thnd - L

Thnd - C

Thnd - R *p*

Timp. *mp* *mf* *p*

Xyl.

Mrb. *mp*

Vibes *mp* *rit.*

Tamb. *p*

Toms

Cymb. *mp*

BD *mf*

122

I

This page contains a musical score for a large ensemble. The instruments listed on the left are: Fl. 1, Fl. 2, Ob., Bsn., Clar. 1, Clar. 2, Bs. Cl., Cb. Cl., A. Sx., T. Sx., B. Sx., Tpt., Horn, Tbn., Euph., Tuba, Pno., Thnd - L, Thnd - C, Thnd - R, Timp., Xyl., Mrb., Vibes, Tamb., Toms, Cymb., and BD. The score is divided into measures, with dynamic markings such as *f*, *mp*, *p*, *mf*, and *pp* throughout. A large, diagonal watermark reading "for personal use only" is overlaid across the entire page. A section marker "I" is present in a box above the Tuba staff and below the Thnd - R staff.

130

Fl. 1 *p* *mf* *mp* *mp*

Fl. 2 *mp* *mp*

Ob. *f* *sub. p*

Bsn. *f* *sub. p*

Clar. 1 *p* *p* *f* *sub. p*

Clar. 2 *p* *f* *sub. p*

Bs. Cl. *p* *f* *sub. p*

Cb. Cl. *mf* *f* *sub. p*

A. Sx. *p* *p*

T. Sx. *p*

B. Sx. *f* *f*

Tpt. *f* *f*

Horn *f* *p*

Tbn. *f* *f*

Euph. *f* *p*

Tuba *f* *p*

Pno. *p* *f* *p*

Thnd - L *mp* *mp*

Thnd - C *mp* *mp*

Thnd - R *mp* *mp*

Timp. *mp* *mf* *mp*

Xyl. *mp* *mf* *mp* *p*

Mrb. *mp* *mf* *mp* *p*

Vibes. *mp* *mf* *mp* *p*

Tamb. *pp* *pp*

Toms. *pp* *pp*

Cymb. *pp* *mp*

BD. *pp* *pp*

Annotations: *strike spring with metal rod*, *1.*, *sub. p*

137

J

FL. 1

FL. 2

Ob.

Bsn.

Clar. 1

Clar. 2

Bs. Cl.

Cb. Cl.

A. Sx.

T. Sx.

B. Sx.

Tpt.

Horn

Tbn.

Euph.

Tuba

Pno.

Thnd - L

Thnd - C

Thnd - R

Timp.

Xyl.

Mrb.

Vibes

Tamb.

Toms

Cymb.

BD

144

FL. 1  
FL. 2  
Ob.  
Bsn.  
Clar. 1  
Clar. 2  
Bs. Cl.  
Cb. Cl.  
A. Sx.  
T. Sx.  
B. Sx.  
Tpt.  
Horn  
Tbn.  
Euph.  
Tuba  
Pno.  
Thnd - L  
Thnd - C  
Thnd - R  
Timp.  
Xyl.  
Mrb.  
Vibes  
Tamb.  
Toms  
Cymb.  
BD

*mp*  
*mp*  
*mp*  
*mp*  
*mp*  
*mp*  
*mp*  
*mp*  
*mp*  
*mp*  
*mp*  
*mp*  
*mp*  
*mp*  
*pp*  
*p*  
*mp*  
*mp*  
*cresc.*





159

The image displays a musical score for a full orchestra and woodwind section, starting at measure 159. The score is written for various instruments and includes dynamic markings and performance instructions. A large, diagonal watermark reading "for personal use only" is superimposed over the entire page.

**Instrument Parts:**

- Flutes:** Fl. 1 and Fl. 2. Dynamics: *mf*, *cresc.*
- Woodwinds:** Ob. (Oboe), Bsn. (Bassoon), Clar. 1 & 2 (Clarinets), Bs. Cl. (Bass Clarinet), Cb. Cl. (Contrabass Clarinet). Dynamics: *cresc.*, *mf*, *p*, *f*
- Saxophones:** A. Sx. (Alto Saxophone), T. Sx. (Tenor Saxophone), B. Sx. (Baritone Saxophone). Dynamics: *cresc.*, *p*, *f*
- Brass:** Tpt. (Trumpet), Horn (French Horn), Tbn. (Trombone), Euph. (Euphonium), Tuba. Dynamics: *cresc.*, *f*
- Percussion:** Pno. (Piano), Thnd - L, C, R (Tom-toms), Timp. (Timpani), Xyl. (Xylophone), Mrb. (Maracas), Vibes (Vibraphone), Tamb. (Tambourine), Toms (Toms), Cymb. (Cymbals), BD (Bass Drum). Dynamics: *mp*, *cresc.*, *f*, *mf*, *p*. Includes instruction: *med. hard mallets (not sticks)*.

**Dynamic Markings and Performance Indicators:**

- mf* (mezzo-forte)
- p* (piano)
- f* (forte)
- cresc.* (crescendo)
- med. hard mallets (not sticks)* (performance instruction)

168

L

This page contains the musical score for percussion instruments, starting at measure 168. The instruments are arranged as follows from top to bottom:

- Fl. 1 & 2:** Flute parts with *ff* dynamics.
- Ob.:** Oboe part with *cresc.* and *ff* dynamics.
- Bsn.:** Bassoon part with *ff* dynamics.
- Clar. 1 & 2:** Clarinet parts with *mp* and *ff* dynamics.
- Bs. Cl. & Cb. Cl.:** Bass and Contrabass Clarinet parts with *ff* dynamics.
- A. Sx.:** Alto Saxophone part with *mp* and *ff* dynamics.
- T. Sx. & B. Sx.:** Tenor and Baritone Saxophone parts with *ff* dynamics.
- Tpt.:** Trumpet part with *ff* dynamics.
- Horn:** Horn part with *ff* dynamics.
- Tbn.:** Trombone part with *ff* dynamics.
- Euph. & Tuba:** Euphonium and Tuba parts with *f* dynamics.
- Pno.:** Piano part with *ff* dynamics.
- Thnd - L, C, R:** Snare Drum (Left, Center, Right) parts with *ff* and *mf* dynamics, including the instruction "strike spring with metal rod".
- Tim.:** Tom-tom part with *ff* dynamics.
- Xyl.:** Xylophone part with *ff* dynamics.
- Mrb.:** Maracas part with *ff* dynamics.
- Vibes.:** Vibraphone part with *ff* dynamics.
- Tamb. & Toms:** Tambourine and Tom-tom parts with *ff* dynamics.
- Cymb. & BD:** Cymbal and Bass Drum parts with *ff* dynamics.

The score includes various musical notations such as dynamics (*mp*, *f*, *ff*), articulation marks, and performance instructions. A large watermark "For personal use only" is overlaid diagonally across the page.

FL. 1  
FL. 2  
Ob.  
Bsn.  
Clar. 1  
Clar. 2  
Bs. Cl.  
Cb. Cl.  
A. Sx.  
T. Sx.  
B. Sx.  
Tpt.  
Horn  
Tbn.  
Euph.  
Tuba  
Pno.  
Thnd - L  
Thnd - C  
Thnd - R  
Timp.  
Xyl.  
Mrb.  
Vibes  
Tamb.  
Toms  
Cymb.  
BD

*for personal use ONLY*

*(Sno)*  
*f*  
*ff*  
*f*  
*f*  
*f*  
*f*  
*mf* *(shake)* *ff*  
*mf* *(shake)* *ff*  
*mf* *(shake)* *ff*  
*f*  
*f*  
*ff*  
*f*  
*sticks* *choke* *choke* *choke* *ff* *f*  
*ff* *f* *ff* *f*  
*f* *ff* *f*

182

FL. 1  
FL. 2  
Ob.  
Bsn.  
Clar. 1  
Clar. 2  
Bs. Cl.  
Cb. Cl.  
A. Sx.  
T. Sx.  
B. Sx.  
Tpt.  
Horn  
Tbn.  
Euph.  
Tuba  
Pno.  
Thnd - L  
Thnd - C  
Thnd - R  
Timp.  
Xyl.  
Mrb.  
Vibes.  
Tamb.  
Toms  
Cymb.  
BD

for personal use only

188

M

This page contains a detailed musical score for a full orchestra. The instruments listed on the left side of the page are: Fl. 1, Fl. 2, Ob., Bsn., Clar. 1, Clar. 2, Bs. Cl., Cb. Cl., A. Sx., T. Sx., B. Sx., Tpt., Horn, Tbn., Euph., Tuba, Pno., Thnd - L, Thnd - C, Thnd - R, Timp., Xyl., Mrb., Vibes, Tamb., Toms, Cymb., and BD. The score is divided into four measures. The first measure is marked with a 'M' in a box. Dynamic markings include *mf*, *mp*, *ff*, and *f*. Performance instructions such as 'choke' are present for the Cymbals and Toms. A large, diagonal watermark reading 'For Personal Use Only' is overlaid across the entire page.

193

The musical score is for a full orchestra and percussion ensemble. The instruments listed on the left are:

- Fl. 1 and Fl. 2
- Ob.
- Bsn.
- Clar. 1 and Clar. 2
- Bs. Cl. and Cb. Cl.
- A. Sx. and T. Sx.
- B. Sx.
- Tpt.
- Horn
- Tbn.
- Euph.
- Tuba
- Pno.
- Thnd - L, Thnd - C, Thnd - R
- Timp.
- Xyl.
- Mrb.
- Vibes.
- Tamb.
- Toms.
- Cymb.
- BD

The score features various dynamic markings such as *f*, *ff*, *p*, and *mf*. Articulation marks like *choke* are present on the Cymbal part. A large, diagonal watermark reading "for personal use only" is superimposed over the score.

205

O

FL. 1

FL. 2

Ob.

Bsn.

Clar. 1

Clar. 2

Bs. Cl.

Cb. Cl.

A. Sx.

T. Sx.

B. Sx.

Tpt.

Horn

Tbn.

Euph.

Tuba

Pno.

Thnd - L

Thnd - C

Thnd - R

Timp.

Xyl.

Mrb.

Vibes

Tamb.

Toms

Cymb.

BD

*ff*

*mp* *cresc.*

*f* *cresc.*

*mf* *cresc.*

*f* *choke*

*f*

For personal use only