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Title

Ikos: kun tu 'bar ba

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Author

Schultz, Arlan

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ARLAN N. SCHULTZ

IKOS
(kun tu 'bar ba)
(2009-10)

SOPRANO, B^b TENOR SAXOPHONE, PERCUSSION, HARP AND PIANO

WITH 5-CHANNEL, REAL-TIME SPATIALIZATION AND
5-CHANNEL COMPUTER PROCESSED AUDIO

SUPPORTED IN PART BY THE ALBERTA FOUNDATION FOR THE ARTS, THE UNIVERSITY OF LETHBRIDGE, THE
CANADA COUNCIL FOR THE ARTS, AND THE CENTER FOR RESEARCH IN COMPUTING AND THE ARTS

Instrumentation

Soprano

B^b Tenor Saxophone

Percussion 1 Tam Tam (need superball)
 1 Large Gong
 1 Medium Gong
 1 Small Gong
 1 Large Suspended Cymbal
 1 Maraca
 1 Large Timpani – tuned to B (minor 9th below middle C)
 High/Medium/Low Tom Toms
 Bass Drum
 Marimba
 Vibraphone (need ‘cello bow)

Harp

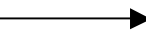
Piano

5-Channel audio playback system

5-Channel audio spatialization system

Possible spatialization formats, software and audio/data files can be obtained from the composer. E-mail the composer at arlan.schultz@uleth.ca

Explanation of Symbols

	Quarter-tone flat
	Quarter-tone sharp
s.v.	Senza Vibrato
Ord.	Ordinario – cancels any previous playing method.
	Indicates a gradual transition from one playing technique to another. When indicating a transition to a tremolo, the tremolo should begin slowly and then attain maximum speed at the destination of the arrow.
	For piano – stop string with finger near the bridge at the most resonant location.
M₁	For saxophone – choose any harsh sounding multi-phonic M₁ and perform it when indicated. All glissandi for piano are fingered-chromatic. All glissandi for the keyboard percussion are “white-key”. All glissandi for the saxophone should be true glissandi wherever possible. When it is not possible, fingered glissandi should be performed. All trills begin on the primary pitch and are semitones unless otherwise indicated. All grace notes begin before the beat. Unless otherwise indicated, block-chord tremolos in the piano are to be performed with all notes of the chord sounding simultaneously in repetition (as in the piano part for Schubert’s Erlkönig). All tremolos are to be performed as fast as possible regardless of the prevailing basic metronomic speed. For harp, all chords should be performed as block chords unless indicated.

Program Notes

Ikos – kun tu ‘bar ba

Ikos - a short texted composition that follows the *Kontakion*, a longer section of the Orthodox liturgy.

kun tu ‘bar ba - Tibetan - blazing everywhere, light, luster, luminous, ever-blazing.

Ikos – kun tu ‘bar ba was written for the Rubbing Stone Ensemble with Soprano Martha Renner and was commissioned by New Works Calgary. It is scored for soprano, tenor saxophone, harp, piano, percussion and 5-channel audio. The work follows *Kontakion* (2008) written for the University of Lethbridge faculty trio (violin, clarinet, piano and 5-channel audio) and is part of a larger cycle of pieces entitled *Zyklus der Stillen* (cycle of stillness). The composition of *Ikos – kun to ‘bar ba* was generously supported by the Alberta foundation for the Arts, the University of Lethbridge Community of Research Excellence (CREDO) granting program, the Canada Council for the Arts, the UCSD Center for Research in Computing and the Arts, the Monks of the Drepung Gomang Monastery, and New Works Calgary.

This work was inspired by a visit to Lethbridge in 2006 by the Monks of the Drepung Gomang Monastery in Southwest India. I was privileged to hear first hand performances of ancient Tibetan ritual chants, which were sung as gifts of enlightenment to this land so far away from Tibet. The meditative quality of the singing, the striking complexity of the text cycles and the timbral/harmonic counterpoint of the vocalism were direct inspirations for this work. Over the last several years, I have maintained contact with the Monastery and they have generously given permission for the use of their ritual music as part of this piece. The ritual music of this remarkable Monastery is characterized by extremely low vocal chanting (around a low B) and reinforcement in the vocal tract of high overtones above this fundamental pitch. The effect is that of several pitches being sung simultaneously; some extremely low, others extremely high. For me, this music constituted a powerful image for “light out of darkness” which has so deeply characterized the struggles of the Tibetan culture in modern times. The recorded materials utilized in the piece are primarily from the *Lhamo Tor-Phul*, a prayer to the deity Pladen Lhamo, the protector of Tibet, for peace and unity.

The work itself is constructed of two interleaved segments of contrasting materials; one meditative in design and the other rich in counterpoint. The contrapuntal segments are very discursive in nature and eventually require the intervention of the soprano voice to re-vivify and focus the structures. The texts for the work were written specifically for it by the composer and are meditations on “light”. The general progress of the piece is from non-vocal, sibilant sounds to true vocalism and text in the later portions of the work. The audio spatialization utilized in the work is designed to extend the sonic forces into the audience; an image for the dissemination of “light”.

ANS

Texts

By Arlan N. Schultz

Gyatso

I have emptied
My being
Of
Self
And
Need...
All now
Is the
Light of
Resonant
Night and
Silence

Light

I am Light...
Darkness is shattered.
Beams of incandescent
Love
Are focused
By my
Heart

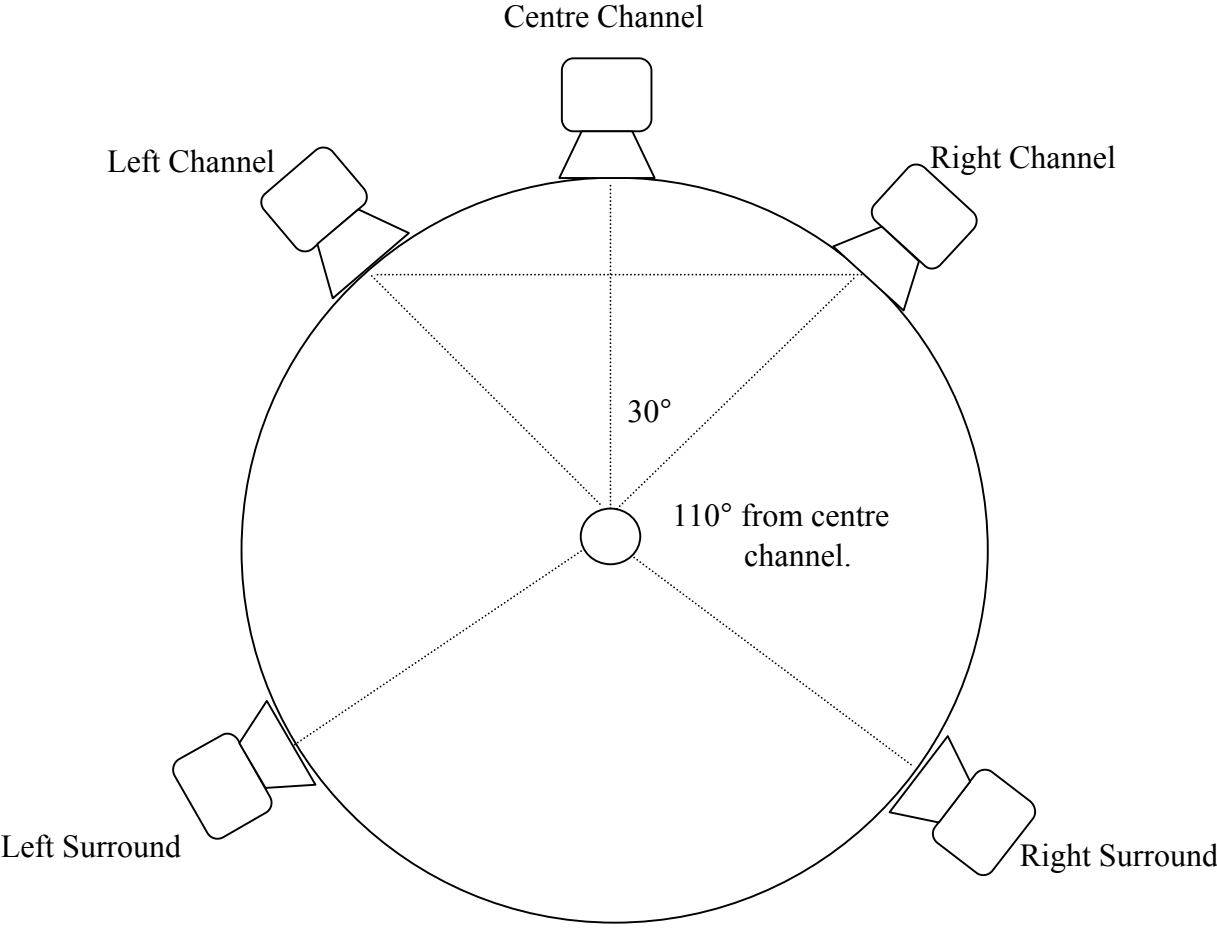
They point at you...
Bathe you
In
Hope for
A better
Life.

I am Peace...
My arms are
Wide...
Rest my child
Do not cry
Peace shall be
Your closest
Friend,
Always.

Oh, my son
Your tiny voice
Is
Joy
And you
Are
The brightest light
I have ever known
Sleep,
Now,
And wake
To
Light.

Speaker Placement

The five audio output channels should be placed relative to an optimal central listening position.



THE SCORE IS NOTATED AT CONCERT PITCH

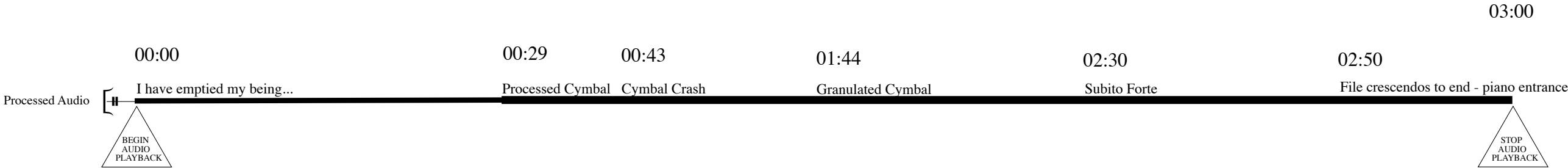
THIS WORK IS DEDICATED TO MY FRIEND DAVID EAGLE AND TO THE RUBBING STONE ENSEMBLE, THE MONKS OF THE DREPUNG GOMANG MONASTERY, AND TO MY WIFE MARTHA RENNER AND SON MARIN SCHULTZ.

IKOS
kun tu 'bar ba

Text by Arlan N. Schultz

Arlan N. Schultz, 2010

5-Channel Computer Processed Audio



Meditation I

Tempo: ♩ = 46

Soprano Solo

Tenor Saxophone

Breath sound - blow through the instrument - no pitch.

N *mp* *ppp*

Vibraphone

Marimba

Percussion

B.D. soft mallet

Gongs - med. mallets

N *mf* *ppp* *sempre* *pp*

Harp

DbCbBb/EbFGA

pp *mp* *pp* *f*

Piano

Inside Piano - use nail of index finger.

ff *Ped. sempre* *8vb* *l.v.*

Processed Audio

BEGIN SPATIALIZATION

Score for Soprano Solo, Tenor Saxophone, Vibraphone, Marimba, Percussion, Harp, Piano, and Processed Audio. The score is in 4/8 time and consists of 8 measures.

Soprano Solo: Measures 1-4 are rests. Measure 5 contains a whole note B. Measure 8 contains a whole note B.

Tenor Saxophone: Measures 1-4 are rests. Measure 5 contains a half note B. Measure 6 contains a half note B. Measure 7 contains a half note B. Measure 8 contains a half note B. Dynamics: *pp* (measures 1-4), *mf* (measure 5), *mp sempre* (measures 6-8). Rhythmic markings: 3:2 (measures 6-7), 5:4 (measures 7-8).

Vibraphone: Measures 1-4 are rests. Measure 5 contains a whole note B. Measure 8 contains a whole note B.

Marimba: Measures 1-4 are rests. Measure 5 contains a whole note B. Measure 8 contains a whole note B. Dynamics: *pp sempre* (measures 5-8). Rhythmic marking: 7:4 (measures 5-6).

Percussion: Measures 1-4 are rests. Measure 5 contains a whole note B. Measure 8 contains a whole note B. Dynamics: *f* (measures 1-4), *l.v.* (measures 5-8).

Harp: Measures 1-4 are rests. Measure 5 contains a whole note B. Measure 8 contains a whole note B. Dynamics: *pp* (measures 5-8). Rhythmic marking: 5:4 (measures 7-8).

Piano: Measures 1-4 are rests. Measure 5 contains a whole note B. Measure 8 contains a whole note B. Dynamics: *ppp sempre* (measures 5-8). Rhythmic marking: 3:2 (measures 6-7).

Processed Audio: Measures 1-4 are rests. Measure 5 contains a whole note B. Measure 8 contains a whole note B. Dynamics: *8^{vb} - 1* (measures 5-8), *sfz* (measures 5-8).

15

Soprano Solo

15

Tenor Saxophone

7:4

7:5

pp

pppp

15

Vibraphone

15

Marimba

15

Percussion

15

Harp

5:3

pp

p

l.v.

DCB/EbFG#A#

15

Piano

7:5

p

l.v.

l.v.

pp

15

Processed Audio

19 C

Soprano Solo

19 C

Tenor Saxophone

Flutter tongue Sim. Sim. Sim.

19 C

Vibraphone

19

Marimba

3:2 7:4 7:4

19

Percussion

7:4 Quasi Gliss. Dead stroke Let grace note ring Ordinary stroke 3:2

19 C

Harp

mp f mf

19 C

Piano

pp mf pp mf pp sfz/ppp mf mf mf

Ped. ad libitum

19

Processed Audio

5 6

This musical score is for the piece "The Great Wall" by John Williams. It is arranged for a large ensemble and includes a vocal soloist. The score is divided into two systems, each containing eight staves. The instruments and voices are: Soprano Solo, Tenor Saxophone, Vibraphone, Marimba, Percussion, Harp, Piano, and Processed Audio. The key signature is one flat (B-flat major or D minor), and the time signature is 8/8. The score begins with a 23-measure introduction. The first system contains measures 23 through 48, and the second system contains measures 48 through 73. The score includes various musical notations such as notes, rests, beams, and slurs. Dynamic markings include *mf* (mezzo-forte), *pp* (pianissimo), *mp* (mezzo-piano), *p* (piano), and *f* (forte). Performance instructions include *rall.* (ritardando) and *mp sempre*. The score is presented in a clean, professional layout with a white background and black notation.

30

Soprano Solo

30

Tenor Saxophone

Flutter tongue

5:4

ppp

p

ppp

pp

mp

pp

30

Vibraphone

Medium mallets
Motor off
Pipes open

7:5

p

Ped. ad libitum

30

Marimba

30

Percussion

7:4

7:4

7:4

7:4

7:4

7:4

mp sempre

l.v.

30

Harp

mf

7:5

p

mp

3:2

7:5

3:2

p

30

Piano

30

Processed Audio

34

Soprano Solo

Tenor Saxophone

Vibraphone

Marimba

Percussion

Harp

Piano

Processed Audio

p *mf* *pp* *mp* *p* *mf* *mf* *f*

pp *8:10*

mp *sempre*

p *sempre*

D#C#B#/EFGA G# D#CB/EFGA Bisbigliando

One Maraca Circular pattern

Interpolation

E

♩ = 42

Soprano Solo

39

Tenor Saxophone

39

pp *pp sempre* *ppp*

Vibraphone

39

Marimba

39

Percussion

39

p *mf* *pp*

Tam tam
Rub with superball on stick

Harp

39

N

Piano

39

N

Processed Audio

39

E

♩ = 42

sfz *p* *mp*

Ped. ad libitum

Med. mallets
Motor on - med. fast

N

This musical score is for the piece "The Great Wall" by John Williams. It is arranged for a large ensemble and includes the following parts:

- Soprano Solo:** Features a melodic line starting at measure 51, marked with a forte (*f*) dynamic.
- Tenor Saxophone:** Mirrors the Soprano Solo part, also marked with a forte (*f*) dynamic.
- Vibraphone:** Provides a rhythmic and harmonic accompaniment, marked with a forte (*f*) dynamic.
- Marimba:** Provides a rhythmic and harmonic accompaniment, marked with a forte (*f*) dynamic.
- Percussion:** Provides a rhythmic and harmonic accompaniment, marked with a forte (*f*) dynamic.
- Harp:** Provides a melodic and harmonic accompaniment, marked with a forte (*f*) dynamic.
- Piano:** Provides a complex rhythmic and harmonic accompaniment, marked with a forte (*f*) dynamic.
- Processed Audio:** A final section of the score, marked with a forte (*f*) dynamic.

The score is written in 4/4 time and includes various musical notations such as dynamics, articulation, and performance instructions. The key signature is one flat (B-flat major or D minor).

Meditation III - Aria

Meditation III - Aria

54

Soprano Solo

54

Tenor Saxophone

54

Vibraphone

54

Marimba

54

Percussion

54

Harp

54

Piano

54

Processed Audio

Take 'cello bow
Motor off - tubes open

Bowed

pp *mp* *p* *p*

Ped.

pp

f *pp*

pp

p sempre

Ped.

Sim.

1.v.

Soprano Solo

58

Tenor Saxophone

58

Vibraphone

58

Marimba

58

Percussion

58

Harp

58

Piano

58

Processed Audio

58

pp

pppp

p

l.v.

l.v.

N

l.v.

ppp

Tremolo with med. rubber/yarn mallet.

Percussion player takes over tremolo seamlessly.

62

Soprano Solo

p sempre

62

Tenor Saxophone

pp *pppp*

pp *pppp*

62

Vibraphone

62

Marimba

62

Percussion

62

Harp

pp l.v.

Bisbigliando

pp *p* *p*

A#

5:4

62

Piano

pp

p

62

Processed Audio

7 8 7 8 7 8

66 *mp sempre*

Soprano Solo

66

1 am light dark

Tenor Saxophone

66

ppp *p* *pppp* *pp*

Vibraphone

66

Marimba

66

Percussion

66

Harp

66

p

mp

mp *p* *pp*

Piano

66

Processed Audio

66

F#-F
B-B#

mp *pp*

l.v. l.v.

74

Soprano Solo

in - - - can - des - - - cent Love are fo - - - - cussed by my heart. They

Tenor Saxophone

p *ppp* *pp* *p* *ppp*

Vibraphone

Marimba

Percussion

Harp

p *p* *p* *p sempre*

Piano

Processed Audio

74

7

8

79

Soprano Solo

point at you. Bathe you in hope for a bet - - - - - ter life.

Tenor Saxophone

pp *p* *ppp* *pp* *p* *ppp* *pp* *p*

Vibraphone

Marimba

Percussion

Harp

Piano

Processed Audio

4/8

Aria - Conclusion

83

I

mf

I am Peace...

ppp pp p ppp pp mp

Take cello bow.

Bowed Motor off - tubes open

p mp

Ped. sempre

Timpani Hard mallets

p

7.4 7.5

mp

mp mf

3.4

pp mp mp mf

Percussionist moves to Vib.

Ped. ad libitum

N

BEGIN AUDIO PLAYBACK

89 *mp*

Soprano Solo

my arms are wide... Rest my child do not cry peace shall be

Tenor Saxophone

pp *mp* *pp* *p sempre*

Vibraphone

p *mp* *p* *mp* *p* *mp*

Marimba

Percussion

Harp

mp

Piano

mp *(mp)* *ppp*

Processed Audio

This musical score is for the song "The Sound of Silence" by Simon & Garfunkel. It features a vocal duet between a Soprano Solo and a Tenor Saxophone, with a full instrumental ensemble. The score is divided into two systems, each containing staves for Soprano Solo, Tenor Saxophone, Vibraphone, Marimba, Percussion, Harp, Piano, and Processed Audio. The key signature is one flat (B-flat major or D minor), and the time signature is 4/4. The score includes various musical notations such as notes, rests, dynamics (pp, p, mp, pp, ppp), articulation (N), and performance instructions (Take hard mallets, Take med. mallets, Ped. sempre). The lyrics are: "your closest friend, always. Oh, my son your tiny voice is joy and".

System 1:

- Soprano Solo:** 94 your clos - - - est friend, al - - - ways.
- Tenor Saxophone:** 94
- Vibraphone:** 94 *pp* *p* *mp* *ppp* *N*
- Marimba:** 94
- Percussion:** 94
- Harp:** 94 *ppp*
- Piano:** 94 *mp*
- Processed Audio:** 94

System 2:

- Soprano Solo:** Oh, my son your ti - ny voice is joy and
- Tenor Saxophone:** [K]
- Vibraphone:** [K] Take hard mallets. Hard mallets Take med. mallets. *pp* *mp*
- Marimba:** [K] *p* *Ped. sempre*
- Percussion:** [K]
- Harp:** [K] *p* *p* *mp*
- Piano:** [K] *p* *mp*
- Processed Audio:** [K]

Transition

26

Transition

Soprano Solo

you are the bright - est Light I have e - ver known. Sleep, now, and wake to Light.

Tenor Saxophone

ppp *pp* *mp* *ppp* *mp* *ppp*

Vibraphone

Med. mallets

p *pppp*

Marimba

Percussion

Harp

mp *mp* *pp* *mp* *pppp*

Piano

mp *pppp*

Processed Audio

AUDIO FILE CHANGES

AUDIO FILE STOPS

STOP SPATIALIZATION

L = 35

BEGIN
SPATIALIZATION

109

Soprano Solo

Tenor Saxophone

Vibraphone

Marimba

Percussion

Harp

Piano

Processed Audio

109

110

111

112

113

114

115

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III

Soprano Solo

Tenor Saxophone

Vibraphone

Marimba

Percussion

Harp

Piano

Processed Audio

The musical score for page 29 is arranged in a multi-staff format. The instruments and their parts are as follows:

- Soprano Solo:** A single staff in 8/8 time, featuring a melodic line with a repeat sign at the beginning and a key signature change to one flat.
- Tenor Saxophone:** A single staff in 8/8 time, featuring a melodic line with a repeat sign at the beginning and a key signature change to one flat. Dynamics include *mp*, *pp*, *mf*, *pp*, *mp*, *p*, and *pp*.
- Vibraphone:** A single staff in 8/8 time, featuring a melodic line with a repeat sign at the beginning and a key signature change to one flat. Dynamics include *mp*, *pp*, *mf*, *pp*, *mp*, *p*, and *pp*.
- Marimba:** A grand staff (treble and bass clefs) in 8/8 time, featuring a melodic line with a repeat sign at the beginning and a key signature change to one flat. Dynamics include *p*, *mf*, *p*, *mf*, *p*, *mp*, *pp*, *pp*, *mf*, *pp*, and *mf*.
- Percussion:** A single staff in 8/8 time, featuring a melodic line with a repeat sign at the beginning and a key signature change to one flat. Dynamics include *mp*, *pp*, *mf*, *pp*, *mp*, *p*, and *pp*.
- Harp:** A grand staff (treble and bass clefs) in 8/8 time, featuring a melodic line with a repeat sign at the beginning and a key signature change to one flat. Dynamics include *f*, *mf*, *mp*, and *mp*.
- Piano:** A grand staff (treble and bass clefs) in 8/8 time, featuring a melodic line with a repeat sign at the beginning and a key signature change to one flat. Dynamics include *pp*, *mf*, *p*, *pp*, *mp*, *pp*, *pp*, *mf*, *pp*, and *mf*.
- Processed Audio:** A single staff in 8/8 time, featuring a melodic line with a repeat sign at the beginning and a key signature change to one flat. Dynamics include *pp*, *mf*, and *pp*.

