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Daixuan Ai

PLANETARIUM
PERUSAL TRILOGY

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For Symphonic Wind Ensemble
(2020-22)

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Full score
(Revised July 2023)

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INSTRUMENTATION

2 piccolos
2 flutes (both d.b., alto flute)
2 oboes
english horn
E♭ clarinet
3 B♭ clarinets
B♭ bass clarinet
B♭ contrabass clarinet
2 bassoons
contrabassoon

B♭ soprano saxophone
E♭ alto saxophone
B♭ tenor saxophone
E♭ baritone saxophone

5 B♭ trumpets (1st db. B♭ piccolo trumpet)
4 F horns
3 tenor trombones
bass trombone
euphonium
tuba
double bass
harp
piano/celesta

timpani/piccolo timpani

5 percussions

perc 1: bass drum

perc 2: tam-tam, glockenspiel, mark tree

perc 3: vibraphone, 5 wood blocks, slap stick, thunder sheet

perc 4: 5 tom-toms, suspended cymbal, crotales, xylophone, vibraslap

perc 5: crash cymbals, suspended cymbal, triangle, bell tree, 3 cow bells




Duration: 13 min.

premiere: Baldwin Wallace Symphonic Wind Ensemble, Brendan Caldwell (conductor);
Baldwin Wallace Conservatory, Berea, OH; fall 2023


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PERFORMANCE NOTES

General

1. trills: default minor 2nd up from written pitch unless indicated otherwise
2. slash through stem [] : play as fast as possible
3. bisbigliando (bisb.) = timbre trill
4. fanfare beam with one notehead [] : repeat the note with indefinite rhythm while gradually slowing down
5. flutter tongue: notated with 3 slashes through stem []. If player can't flutter, growl instead

Woodwinds

1. 100% air sound: notated with diamond notehead [], blow air through instrument with loose embouchure (or cover mouthpiece in case of flute) to allow maximum air flow without pressing any key. There are 2 types of air sound used (scan QR code for video demonstration by Tony Park):

a. **oo**



b. **hee**



-- oboe and bassoon players are also asked to remove mouthpiece and blow air through the instrument body to maximize the air sound.

see video demonstration by Kan Yi Zhang:



2. 50% pitch 50% air: notated with normal notehead, continued until ord.

flute tongue pizzicato: see demonstration:




(courtesy of Katherine Balch and Zachary Sheets)

4. saxophone slap tongue: indicated with plus sign above notehead []. It is created by an exceptionally hard attack and release.

See demonstration:



Brass:

1. horn air sound: notated with diamond notehead []. Players also asked to turn mouthpiece around and blow through the shank of the mouthpiece to amplify air sound. See demonstration:



Harp

1. thunder effect []: pluck 2 large lower strings in a way that they vibrate against each other

2. pedal buzz []: hold pedal between notches which causes the strings vibrate against the tuning disc.

see demonstration for both effects:



PROGRAM NOTES

Planetarium Trilogy is a musical representation of how we experience Space from a human perspective on a daily basis. We experience the heat and power that the sun brings every day, the chilling light that the moon casts upon us every night, and the majesty and magnificence of our planet during every living moment of our lives.

The Sun features bombastic ensemble tutti passages which sustain a single chord over a period of time. Underneath the harmonically static chords and the overwhelming sound mass, individual instruments highlight different notes within the chord, mimicking the dynamic and ever-changing surface of the sun as their non-clear fusion takes place and delivers life-giving heat and light to the earth.

The Moon opens with the rumbling low brass and woodwinds introducing an enigmatic and tonally ambiguous melody, setting the atmosphere of a dark and dangerously quiet night. The A section juxtaposes the mysterious melody with the anxious and unsettling staccato notes of woodwinds and percussion, and contrasts stillness with movement. The B section was written with a clear visual image behind it: the English Horn solo represents the cold and lonely moon, which is surrounded by passing clouds—heard as the chromatic scales played by woodwinds with airy tone. In the background, harp, celesta, and vibraphone create a watery texture. This improvisatory and liquid-like music is composed with pitches from the A section melody. The music recapitulates as the enigmatic melody expands in terms of contrapuntal complexity and instrumentation until it reaches a climax. After a sonic explosion that recalls the chordal tutti in **The Sun**, the B section returns, yet this time the English horn is followed by a shadowy saxophone solo. The night is made eerier by the presence of 2 moons. My inspiration for such ending was the final scene from Star Wars Episode 6 where two suns were shown on the planet of Tatooine.

In the opening section of **The Earth**, an expansive melodic theme is played by the horns, which evokes the feeling and imagery of standing on a tall mountain top and looking past the endless layers of mountain ranges. The middle section features a melismatic trumpet solo that floats on top of the woodwinds which play the main theme in canon. The endless entrances of the same melody over and over again reinforces the imagery of mountains one after another, seemingly never-ending. When facing such a magnificent view of the earth, I have no choice but to feel humbled, to realize how small we are compared to it, to admire the power that our planet holds.

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Planetarium Trilogy

for symphonic wind ensemble (2020-2022)

Daixuan Ai
(b. 1998)

I. The Sun

♩ = 66

Piccolo 1
Piccolo 2
Flute 1
Flute 2
Oboe 1
Oboe 2
F English Horn
Eb Clarinet
Bb Clarinet 1
Bb Clarinet 2
Bb Clarinet 3
Bb Bass Clarinet
Contrabass Clarinet
Bassoon 1
Bassoon 2
Contrabassoon

♩ = 66

Bb Soprano Saxophone
Eb Alto Saxophone
Bb Tenor Saxophone
Eb Baritone Saxophone

♩ = 66

Bb Trumpet 1
Bb Trumpet 2
Bb Trumpet 3
Bb Trumpet 4
Bb Trumpet 5
F Horn 1
F Horn 2
F Horn 3
F Horn 4
Trombone 1
Trombone 2
Bass Trombone
Euphonium
Tuba
Double Bass

Harp
Piano

Timpani
Percussion 1 (Bass Drum)
Percussion 2 (Tom-toms)
Percussion 3 (Thunder Sheet)
Percussion 4 (5 Tom-toms)
Percussion 5 (Clash Cymbals)

This musical score is for the piece 'The Sun' from the 'Planetarium Trilogy'. It is a full orchestral score with the following instruments and parts:

- Picc.** (Piccolo): 1 and 2 staves, measures 6-7, dynamics *mp* to *ff*.
- Fl.** (Flute): 1 and 2 staves, measures 6-7, dynamics *mp* to *p*.
- Cl.** (Clarinet): 1 and 2 staves, measures 6-7, dynamics *ff* to *mp*.
- E♭ Cl.** (Bass Clarinet): 1 and 2 staves, measures 6-7, dynamics *mp* to *p*.
- B♭ Cl.** (Bass Clarinet): 1, 2, and 3 staves, measures 6-7, dynamics *mf* to *ff*.
- T. Sax.** (Tenor Saxophone): 1 and 2 staves, measures 6-7, dynamics *mp* to *p*.
- E♭ Bari. Sax.** (Baritone Saxophone): 1 and 2 staves, measures 6-7, dynamics *mp* to *p*.
- Horns (F Hn.)**: 1, 2, 3, and 4 staves, measures 6-7, dynamics *mp* to *p*.
- Trombones (Tbn.)**: 1, 2, and 3 staves, measures 6-7, dynamics *mp* to *p*.
- Euph.** (Euphonium): 1 and 2 staves, measures 6-7, dynamics *mp* to *p*.
- Tba.** (Tuba): 1 and 2 staves, measures 6-7, dynamics *mp* to *p*.
- Db.** (Double Bass): 1 and 2 staves, measures 6-7, dynamics *mp* to *pp*.
- Timp.** (Timpani): 1 and 2 staves, measures 6-7, dynamics *p* to *pp*.
- Perc. 1 (Dr.)**: 1 and 2 staves, measures 6-7, dynamics *p* to *mf*.
- Perc. 3 (Thunder)**: 1 and 2 staves, measures 6-7, dynamics *p* to *mf*.
- Perc. 4 (Tom-toms)**: 1 and 2 staves, measures 6-7, dynamics *p* to *mf*.

The score includes various musical notations such as dynamics (*mp*, *ff*, *p*, *mf*, *pp*), articulation marks, and performance instructions. A large red watermark 'daiXMUSIC.COM' is overlaid across the score.

13

Picc. 1
2

Fl. 1
2

Eng. Hn.

E♭ Cl.

B♭ Cl. 1
2

B♭ Cl. 3

B♭ Cb. Cl.

Bsn. 1
2

Cbsn.

13

B♭ Sax.

E♭ A. Sax.

13

Euph.

Tba.

Db.

Hp.

Pno.

Timp.

Perc. 1 (B. Dr.)

Perc. 3 (Thunder)

Perc. 4 (5 Tom-t)

Perc. 5 (Cl. Cym.)

To Picc. Timp.

Picc. Timp.

21

Picc. 1, 2

Fl. 1, 2

Ob. 1, 2

F Eng. Hn.

B♭ Cl. 1, 2, 3

B♭ B. Cl.

B♭ Ch. Cl.

Trsn. 1, 2

Cbsn.

Measures 21-27: Piccolo, Flute, Oboe, English Horn, Clarinets, Bassoon, and Contrabassoon parts. Dynamics range from *mp* to *ff*. Includes articulation marks like *a2*.

21

B♭ Sop. Sax.

E♭ A. Sax.

Measures 21-27: Bassoon and Alto Saxophone parts. Dynamics range from *mp* to *ff*.

21

Ph.

Voa.

Db.

Hp.

Pno.

Measures 21-27: Piano, Vibraphone, and various Percussion parts. Includes dynamic markings like *ff* and *rit.*

To Timp.

Picc. Timp.

Perc. 1 (B. Dr.)

Perc. 3 (Thunder)

Perc. 4 (5 Tom+L)

Measures 21-27: Piccolo Timpani, Snare Drum, Tom-toms, and other Percussion parts. Includes dynamic markings like *mf*, *p*, and *pp*.

28

Picc. 1, 2

Fl. 1, 2

Timp.

Perc. 1 (B. Dr.)

Perc. 2 (IT+L)

Perc. 3 (Thunder)

Perc. 4 (5 Tom+L)

Measures 28-34: Piccolo, Flute, Timpani, and various Percussion parts. Includes dynamic markings like *mp*, *mf*, and *pp*. Includes performance instructions: "heavy yarn mallets" and "shake with hands".

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37

Picc. 1
2

Fl. 1
2

E♭ Cl. 1
2

B♭ Cl. 1
2
3

B♭ Cl. Cl.

Bsn. 1
2

Cbsn.

37

B♭ Sop. Sax.

E♭ A. Sax.

B♭ T. Sax.

E♭ B. Sax.

37

F. Hn. 1
2
3
4

Tbn. 1
2
3

B. Tbn.

Euph.

Tba.

Db.

Hp.

Pno.

Timp.

Perc. 1 (B. Dr.)

Perc. 2 (T.-L.)

Perc. 3 (Thunder)

Perc. 4 (S Tom-L)

Perc. 5 (Cl. Cym.)

44

1 Picc. *f* *mp sf* *mp* *ff*

2 Picc. *mp* *ff*

1 Fl. *f* *mp sf* *mf* *ff*

Ob. *f* *mp sf* *mp* *ff*

F Eng. Hn. *f* *mp* *sf* *mp* *ff*

E♭ Cl. *f* *mp* *f* *mp* *ff*

1 B♭ Cl. 2 *f* *mp* *f* *p* *ff*

3 B♭ Cl. *f* *mp* *f* *p* *ff*

B♭ Cl. *f* *mp* *f* *p* *ff*

B♭ Cl. *f* *mp* *f* *p* *ff*

1 Bsn. 2 *f* *mp* *f* *p*

Cbsn. *f* *mp* *f* *p*

44

B♭ Sax. *f* *mp* *f* *p* *ff*

E♭ Sax. *f* *mp* *f* *p* *ff*

E♭ Bari. Sax. *f* *mp* *f* *p*

44

1 B♭ Tpt. *a 5* *p* *mf* *f* *mp* *p*

2 B♭ Tpt. *a 5* *p* *mf* *f* *mp* *p*

3 B♭ Tpt. *a 5* *p* *mf* *f* *mp* *p*

4 B♭ Tpt. *a 5* *p* *mf* *f* *mp* *p*

5 B♭ Tpt. *a 5* *p* *mf* *f* *mp* *p*

1 F Hn. *f* *mp* *f* *p*

2 F Hn. *f* *mp* *f* *p*

3 F Hn. *f* *mp* *f* *p*

4 F Hn. *f* *mp* *f* *p*

1 Tbn. *f* *mp* *f* *p*

2 Tbn. *f* *mp* *f* *p*

3 Tbn. *f* *mp* *f* *p*

B. Tbn. *f* *mp* *f* *p*

Euph. *f* *mp* *f* *p*

Tba. *f* *mp* *f* *p*

Db. *f* *mp* *f* *p*

Hp. *ff* *lv.*

Pno. *ff* *lv.*

Timp. *pp* *p*

Perc. 1 (B. Dr.) *f* *p*

Perc. 2 (Clock) *p* *mf*

Perc. 4 (5 Tom-t.) *p* *mf*

Perc. 5 (Sus. Cym.) *p* *mf*

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53

Picc. 1, 2

Fl. 1, 2

F Eng. Hn.

E♭ Cl. 1, 2

B♭ Cl. 1, 2, 3

B. Cl.

B♭ Co. Cl.

Bsn. 1, 2

Chsn.

53

E♭ Sop. Sax.

E♭ Sax.

E♭ Bari. Sax.

53

B♭ Tpt. 1, 2, 3, 4, 5

F Hn. 1, 2, 3, 4

Tbn. 1, 2, 3

B. Tbn.

Euph.

Tba.

Hp.

Pno.

Timp.

Perc. 1 (B. Dr.)

Perc. 2 (Clock)

Perc. 3 (Thunder) heavy felt mallet

Perc. 4 (5 Tom-L)

Perc. 5 (Sus Cym)

To Tri.

Picc. 1, 2

Fl. 1, 2

Ob. 1, 2

E♭ Cl.

B♭ Cl. 2, 3

B♭ B. Cl.

B♭ Ch. Cl.

Bsn. 1, 2

Cbsn.

B♭ Sax.

E♭ A. Sax.

E♭ T. Sax.

E♭ Bari. Sax.

1, 3, 4, 5

1, 2, 3, 4

1, 2, 3

B. Tbn.

Euph.

Tba.

Hp.

Pno.

Timp.

Perc. 1 (B. Dr.)

Perc. 2 (Glock.)

Perc. 3 (Thunder)

Perc. 5 (Tri.)

shake w hands

To Vib.

To Picc. Timp.

Tri.

66

Bb B. Cl.
Bsn. 1
Cbsn.

Musical score for Bb B. Cl., Bsn. 1, and Cbsn. measures 66-68. The Bb B. Cl. part features a melodic line with dynamics *mf*, *ff*, and *mp*. The Bsn. 1 part has a rhythmic accompaniment with triplets and quintuplets, marked *mf*, *ff*, and *mp*. The Cbsn. part provides harmonic support with similar dynamics.

66

E♭ A. Sax.
T. Sax.
E♭ Bari. Sax.

Musical score for E♭ A. Sax., T. Sax., and E♭ Bari. Sax. measures 66-68. The E♭ A. Sax. part has a melodic line with dynamics *mf*, *ff*, and *mp*. The T. Sax. part has a melodic line with dynamics *mf*, *ff*, and *mp*. The E♭ Bari. Sax. part has a melodic line with dynamics *mf* and *p*.

66

Bb Tpt. 1-5
Hn. 1-4
Tbn. 1-3
B. Tbn.
Euph.
Tba.
Db.
Picc. Timp.
Perc. 1 (B. Dr.)
Perc. 4 (5 Tom-L)

Musical score for Bb Tpt., Hn., Tbn., B. Tbn., Euph., Tba., Db., Picc. Timp., Perc. 1, and Perc. 4 measures 66-68. The Bb Tpt. part has a melodic line with dynamics *p*, *mf*, *ff*, and *mp*. The Hn. part has a melodic line with dynamics *mf*, *ff*, and *mp*. The Tbn. part has a melodic line with dynamics *ff* and *mp*. The B. Tbn. part has a rhythmic accompaniment with triplets and quintuplets, marked *mf*, *ff*, and *mp*. The Euph. part has a melodic line with dynamics *mf*, *ff*, and *mp*. The Tba. part has a rhythmic accompaniment with triplets and quintuplets, marked *mf* and *mp*. The Db. part has a melodic line with dynamics *mf*, *ff*, and *mp*. The Picc. Timp. part has a melodic line with dynamics *p* and *mf*. The Perc. 1 part has a rhythmic accompaniment with dynamics *p*, *mf*, and *pp*. The Perc. 4 part has a rhythmic accompaniment with dynamics *mf* and *pp*.

1. Picc. 2. Fl. 1. 2. Ob. 1. 2. Eb Cl. 1. 2. 3. Bb Cl. 1. 2. 3. Bb B. Cl. Bb Cb. Cl. Bsn. 1. 2. Cbsn.

Dynamic markings: *p*, *ff*, *mp*, *pp*. Performance instructions: *1.*, *2.*, *1. 2.*, *1. 2. 3.*, *3*, *5*, *ff*, *p*, *mp*, *pp*.

Bb Sax. Eb A. Sax. Eb T. Sax. Eb Bari. Sax.

Dynamic markings: *p*, *ff*, *p*. Performance instructions: *3*, *ff*, *p*.

1. 2. 3. 4. F Hrn. 1. 2. 3. 4. Tbn. 1. 2. 3. B. Tbn. Euph. Tba. Db.

Dynamic markings: *mf*, *f*, *mp*, *ff*, *p*. Performance instructions: *1. 2. 3. 4.*, *1. 2. 3.*, *a 2*, *3*, *ff*, *p*, *mp*, *ff*, *p*, *ff*, *mp*, *pp*.

Hp. Cel.

Dynamic markings: *mf*, *f*. Performance instructions: *(written pitches; sounding 8ve higher)*, *mf*, *f*, *mf*.

Picc. Timp. Perc. 1 (B. Dr.) Perc. 2 (M. T.) Perc. 3 (Vib.) Perc. 5 (B. Tr.)

Dynamic markings: *p*, *ff*, *pp*, *f*, *mf*. Performance instructions: *3*, *ff*, *p*, *ff*, *p*, *ff*, *p*, *pp*, *M. T.*, *To T.-t.*, *Vib. (rubber mallet) - slow*, *random in individual plate from the start slow*, *(gradually get faster)*, *(gradually slow down)*.

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The musical score is arranged in a standard orchestral format with the following parts and staves from top to bottom:

- Picc.** (Piccolo): 1 and 2 staves, starting at measure 76.
- Fl.** (Flute): 1 and 2 staves.
- Ob.** (Oboe): 1 and 2 staves.
- Cl.** (Clarinet): 1, 2, and 3 staves.
- B♭ B. Cl.** (Bass Clarinet): 1 staff.
- B♭ Cl. Cl.** (Bass Clarinet): 1 staff.
- Bsn.** (Bassoon): 1 and 2 staves.
- Tbsn.** (Tenor Bassoon): 1 staff.
- B♭ T. Sax.** (Tenor Saxophone): 1 staff.
- E♭ Bari. Sax.** (Baritone Saxophone): 1 staff.
- B♭** (Trumpet): 2, 3, 4, and 5 staves.
- F Hn.** (French Horn): 1 and 2 staves.
- Euph.** (Euphonium): 3 and 4 staves.
- Tba.** (Tuba): 1 staff.
- Db.** (Double Bass): 1 staff.
- Hp.** (Harp): 1 and 2 staves.
- Cel.** (Cello): 1 and 2 staves.
- Perc. 1** (Percussion 1 - B. Dr.): 1 staff.
- Perc. 2** (Percussion 2 - T.-t.): 1 staff.
- Perc. 3** (Percussion 3 - Vib.): 1 staff.

Dynamic markings include *pp*, *p*, *mp*, and *ppp*. Performance instructions include *tr* (trills) and *attacca*. A specific instruction for Perc. 2 reads: "T.-t. heavy yarn mallet *ppp*".

II. The Moon

♩ = 66

7 ♩ = 88

rit.

Piccolo 1 2

Flute 1 2

Oboe 1 2

F English Horn

E♭ Clarinet

B♭ Clarinet 1 3

B♭ Clarinet 2

B♭ Bass Clarinet

B♭ Contrabass Clarinet

Bassoon 1 2

Contrabassoon

♩ = 66

7 ♩ = 88

rit.

B♭ Soprano Saxophone

E♭ Alto Saxophone

B♭ Tenor Saxophone

E♭ Baritone Saxophone

♩ = 66

7 ♩ = 88

rit.

B♭ Trumpet 1 2 3 4 5

F Horn 1 3 4

Trombone 1 2 3

Bass Trombone

Euphonium

Tuba

Double Bass

Harp

Celesta

Timpani

Percussion 1 (Bass Drum)

Percussion 2 (Tam-tam)

Percussion 3 (5 Wood Blocks)

Percussion 4 (Suspended Cymbal)

Percussion 5 (3 Cowbells)

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11 ♩ = 72

17 ♩ = 88

Picc. 1, 2

Hr. 1, 2

E♭ Cl.

B♭ Cl. 1, 2, 3

B♭ B. Cl.

B♭ Cb. Cl.

Trp. 1, 2

Cbsn.

11 ♩ = 72

17 ♩ = 88

B♭ Sop. Sax.

E♭ A. Sax.

F Sax.

E♭ Bar. Sax.

11 ♩ = 72

17 ♩ = 88

B♭ Tpt. 1, 2, 3

F Hn. 1, 2, 3, 4

Tbn. 1, 2, 3

B. Tbn.

Euph.

Tba.

Db.

Cel.

Timp.

Perc. 1 (B. Dr.)

Perc. 3 (5 W. BU)

Perc. 4 (5 Tom-t.)

Perc. 5 (3 C-bell)

To. Cym.

Sus. Cym.

To. Xyl.

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rit. 23 ♩ = 72

The musical score is arranged in systems. The first system includes Piccolo (1, 2), Flute (1, 2), Oboe (1, 2), Eb Clarinet (1), Bb Clarinet (1, 2, 3), Bb Contrabass Clarinet, Bassoon (1, 2), and Contrabassoon. The second system includes Soprano Saxophone, Eb Alto Saxophone, Bb Tenor Saxophone, and Eb Baritone Saxophone. The third system includes Bb Trumpet (1, 2, 3, 4, 5), French Horn (1, 2, 3, 4), Trombone (1, 2, 3), Bb Trombone, Euphonium, Tuba, Double Bass, and Cello. The fourth system includes Timpani, Percussion 1 (B. Dr.), Percussion 2 (T.-), Percussion 3 (5 W. Bl.), Percussion 4 (Nyl.), and Percussion 5 (3 C.-bell). The score contains various musical notations such as dynamics (p, mp, mf, f, sf, ppp), articulation (tr, a2), and performance instructions (bowed (bass bow), To 5 W. Bl., To Xyl., Crot. brass mallet, To Crot., Under. felt mallet).

27 ♩ = 88

1. *pp* *f* *p* *rit.*

Picc. 1, 2

Fl. 1, 2

Ob. 1, 2

Bb Cl. 1, 2, 3

Bb B. Cl.

Bb Cb. Cl.

Bsn. 1, 2

Cbsn.

remove reed

remove reed

2/4 4/4

27 ♩ = 88

pp *f* *pp* *rit.*

E♭ Sop. Sax.

E♭ A. Sax.

E♭ T. Sax.

E♭ Bari. Sax.

2/4 4/4

27 ♩ = 88

p *f* *p* *rit.*

1, 2, 3, 4

In.

Tbn. 1, 2, 3

B. Tbn.

Euph.

Tba.

Db.

Hp.

Cel.

Timp.

Perc. 1 (B. Dr.)

Perc. 2 (T.-C.)

Perc. 3 (5 W. Bl.)

Perc. 4 (NyL)

Perc. 5 (3 C-bell)

ff *f* *mf* *p* *mf* *p* *mf* *p*

(E♭ aim for sounding E♭)

heavy felt mallet

To Thunder.

To Sus. Cym.

To Vib.

Thunder. heavy felt mallet

2/4 4/4

33 ♩ = 72

1 A. Fl. (50% pitch, 50% air) *p* *mp* *n*

2 A. Fl. (100% air; over mouthpiece) *p* *mp* *n*

1 Ob. (100% air; reed removed) *pp* *mp* *n*

2 Ob. (100% air; reed removed) *p* *mp* *n*

F. Eng. Hrn. *mp* *f* *mf* *sf* *mp* *f*

Bb B. Cl. *n*

Bb Cl. Cl. *n*

1 Bsn. (remove reed) *n*

2 Bsn. (remove reed) *n*

Cbsn. *n*

Solo

33 ♩ = 72

Bb Sop. Sax. (50% pitch, 50% air) *pp* *mp* *n*

Eb A. Sax. (100% airy tone; loose embouchure) *oo* *pp* *mp*

T. Sax. (50% pitch, 50% air) *pp* *mp* *n*

Eb Bari. Sax. (100% air; loose embouchure) *oo* *pp* *mp*

Db. *n*

Hp. *mf*

Cel. *mf* (ped. down)

Perc. 3 (Vib.) yarn mallet (motor on - slow pedal down - no damping) *mp*

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38

1 A. Fl. *p* *mf* *n* *mf* (50% pitch 50% air)

2 A. Fl. *mf* *n* *p* *mf* *n*

2 F. Eng. Hn. *sf* *mp* *3* *3* *f* *mf* *f*

E♭ Cl. *p* *mf* *n*

1 B♭ Cl. 2 3 *p* *mf* *n* (100% air; loose embouchure) **hee**

B♭ B. Cl. *p* *mf* *n* (100% air; loose embouchure) **oo**

B♭ Cb. Cl. *p* *mf* *n* (100% air; loose embouchure) **oo**

1 2 *p* *mf* *n* *p* *mf* *n* (100% air; reed removed)

3 *p* *mf* *n*

38

B♭ Sop. Sax. *p* *mp* *n* *p* *mf* *n* *tr*

E♭ A. Sax. *p* *mf* *n* *p* *mf* *n* **hee**

B♭ T. Sax. *p* *mp* *n* *p* *mf* *n* *tr* *tr*

E♭ Bari. Sax. *p* *mf* *n* *p* *mf* *n* *p* *mf* *n* **hee**

Hp. *mp*

Cel. *f* *mp*

Perc. 3 (Vib.) *mp*

48

Ob. 1 2

F Eng. Hn.

E♭ Cl.

B♭ B. Cl.

B♭ Cb. Cl.

Bsn. 1 2

Chsn.

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

pp *hee* *f*

pp *hee* *f*

pp *hee* *f*

pp *hee* *f*

reattach reed

48

B♭ Sop. Sax.

E♭ A. Sax.

E♭ Bar. Sax.

pp *hee* *f*

pp *hee* *f*

pp *hee* *f*

pp *hee* *f*

(100% airy tone; loose embouchure)

hee

(100% airy tone; loose embouchure)

hee

(100% airy tone; loose embouchure)

hee

(100% airy tone; loose embouchure)

hee

48

F Hn.

1 2

3 4

1

Tbn. 2

3

pp *f* *pp* *f*

p *mf* *n* *p* *mf* *n*

p *mf* *n* *p* *mf* *n*

p *mf* *n* *p* *mf* *n*

harmon mute (stem removed)

harmon mute (stem removed)

harmon mute (stem removed)

Hp.

Cel.

Perc. 3 (Vib.)

ff *mp* *ff* *mp* *f* *mp*

f *mp* *f* *mp* *mp* *mp*

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

rubl mallets

yarn mallets

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Ai: Planetarium Trilogy - II. The Moon (Revised July 2023)

(100% airy tone; close mouth)

53

100% airy tone; close mouth

Solo Ends

rubber mallets

To Thunder. Thunder. shake with hands

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66 68 ♩ = 72

Picc. 1 2

Fl. 1 2

Eng. Hrn.

E♭ Cl. 1 2 3

B♭ Cl. 1 2 3

B♭ B. Cl.

C♭ Cl.

Cbsn.

68 ♩ = 72 accel..... 72 ♩ = 88

B♭ Sop. Sax.

E♭ A. Sax.

B♭ T. Sax.

E♭ Bari. Sax.

68 ♩ = 72 accel..... 72 ♩ = 88

1 2 3 4

F. Hrn.

1 2 3

Tbn.

B. Tbn.

Euph.

Tba.

Db.

Hp.

Cel.

Timp.

Perc. 1 (B. Dr.)

Perc. 2 (T.-L.)

Perc. 3 (5 W. Bl.)

Perc. 4 (Sus. Cym.)

Perc. 5 (3 C-bell)

Thund.

bowed (bass bow)

To 5 W. Bl.

5 W. Bl.

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75 ♩ = 72

75 ♩ = 72

75 ♩ = 72

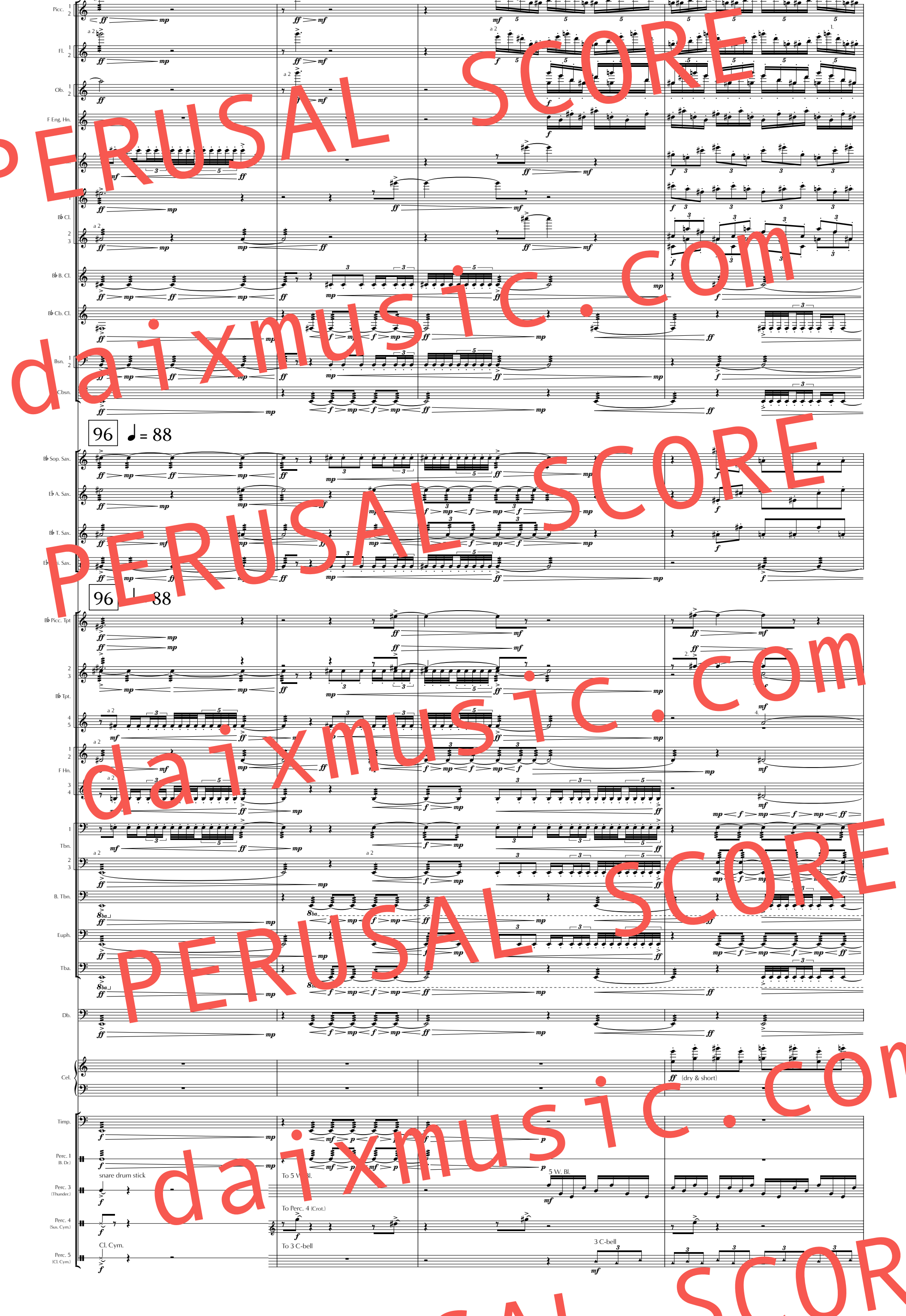
The musical score for page 23 of 'Ai: Planetarium Trilogy - II. The Moon' (Revised July 2023) features a variety of instruments and complex rhythmic structures. The score is divided into several systems, each containing multiple staves for different instruments. The instruments listed include Piccolo, Flute (1 and 2), Oboe (1 and 2), English Horn, Eb Clarinet (1 and 2), Bb Clarinet (1, 2, and 3), Bassoon (1 and 2), Contrabassoon, Eb Soprano Saxophone, Eb Alto Saxophone, F Soprano Saxophone, Eb Baritone Saxophone, Bb Trumpet (1, 2, 3, and 4), Trombone (1, 2, and 3), Euphonium, Tuba, Double Bass, Cymbal, Snare Drum (1 and 2), and Tom-toms (1, 2, 3, 4, and 5). The score includes dynamic markings such as *f*, *p*, *mf*, *sf*, and *fp*, as well as articulation marks like *tr* (trills) and *a 2* (accents). Rhythmic patterns are often complex, featuring triplets and quintuplets. A large red watermark 'daiXMUSIC.COM' is overlaid diagonally across the entire page.

Picc. 1 2
Fl. 1 2
Ob. 1 2
F. Eng. Hn.
Bb Cl. 1 2 3
Bb B. Cl.
Bb Ch. Cl.
Bsn. 1 2
Cb. Sn.

96 ♩ = 88
Bb Sop. Sax.
Eb A. Sax.
Bb T. Sax.
Eb I. Sax.

96 ♩ = 88
Bb Picc. Tpt.
Bb Tpt.
F. Hn. 1 2 3 4
Tbn. 1 2 3
B. Tbn.
Euph.
Tba.
Db.

Cel.
Timp.
Perc. 1 (B. Dr.)
Perc. 3 (Thunder)
Perc. 4 (Sus. Cym.)
Perc. 5 (Cl. Cym.)



rit 103 $\text{♩} = 72$

This musical score is for the piece 'The Moon' from the 'Planetarium Trilogy - II'. It is a full orchestral score with the following instruments and parts:

- Picc. 1 & 2
- Fl. 1
- Ob. 1 & 2
- F. Eng. Hn.
- Cl. (Flute) 1, 2, 3
- B. Cl. (Bass Clarinet) 1, 2, 3
- Bsn. (Bassoon) 1, 2
- Cbsn. (Contrabassoon)
- E. Sax. (English Saxophone)
- Bb T. Sax. (B-flat Tenor Saxophone)
- Bb Bari. Sax. (B-flat Baritone Saxophone)
- Bb Tpt. (B-flat Trumpet) 3, 4
- F. Hn. (French Horn) 1, 2, 3, 4
- Tbn. (Tenor Horn) 1, 2, 3
- B. Tbn. (Baritone Horn)
- Euph. (Euphonium)
- Tba. (Tuba)
- Db. (Double Bass)
- Hp. (Harp)
- Cel. (Cello)
- Perc. 3 (5 W. BU) - To Vib.
- Perc. 5 (3 C-bell) - To Sus. Cym.

The score includes various musical notations such as dynamics (p, mp, mf), articulation (accents, slurs), and performance instructions like 'Solo' and 'yarn mallet (moter on - slow, pedal down)'. The tempo is marked as $\text{♩} = 72$. The score is divided into systems, with a 'rit.' (ritardando) section starting at measure 103. The piece concludes with a 'Solo' section for the English Horn.

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A. FL.
(100% airy tone; close mouth)

oo

A. FL.
(100% airy tone; close mouth)

oo

(100% air; loose embouchure)

oo

(100% air; loose embouchure)

oo

(100% air; loose embouchure)

oo

(100% air; loose embouchure)

oo

(100% air; loose embouchure)

oo

105

A. FL.

2

Eng. Fl.

(100% air; loose embouchure)

E♭ Cl.

(100% air; loose embouchure)

1

(100% air; loose embouchure)

2

3

(100% air; loose embouchure)

E♭ B. Cl.

(100% air; loose embouchure)

E♭ Cl. Cl.

Cbsn.

2nd Solo (shadow-like, follow E.H)

B♭ Sop. Sax.

E♭ A. Sax.

B♭ T. Sax.

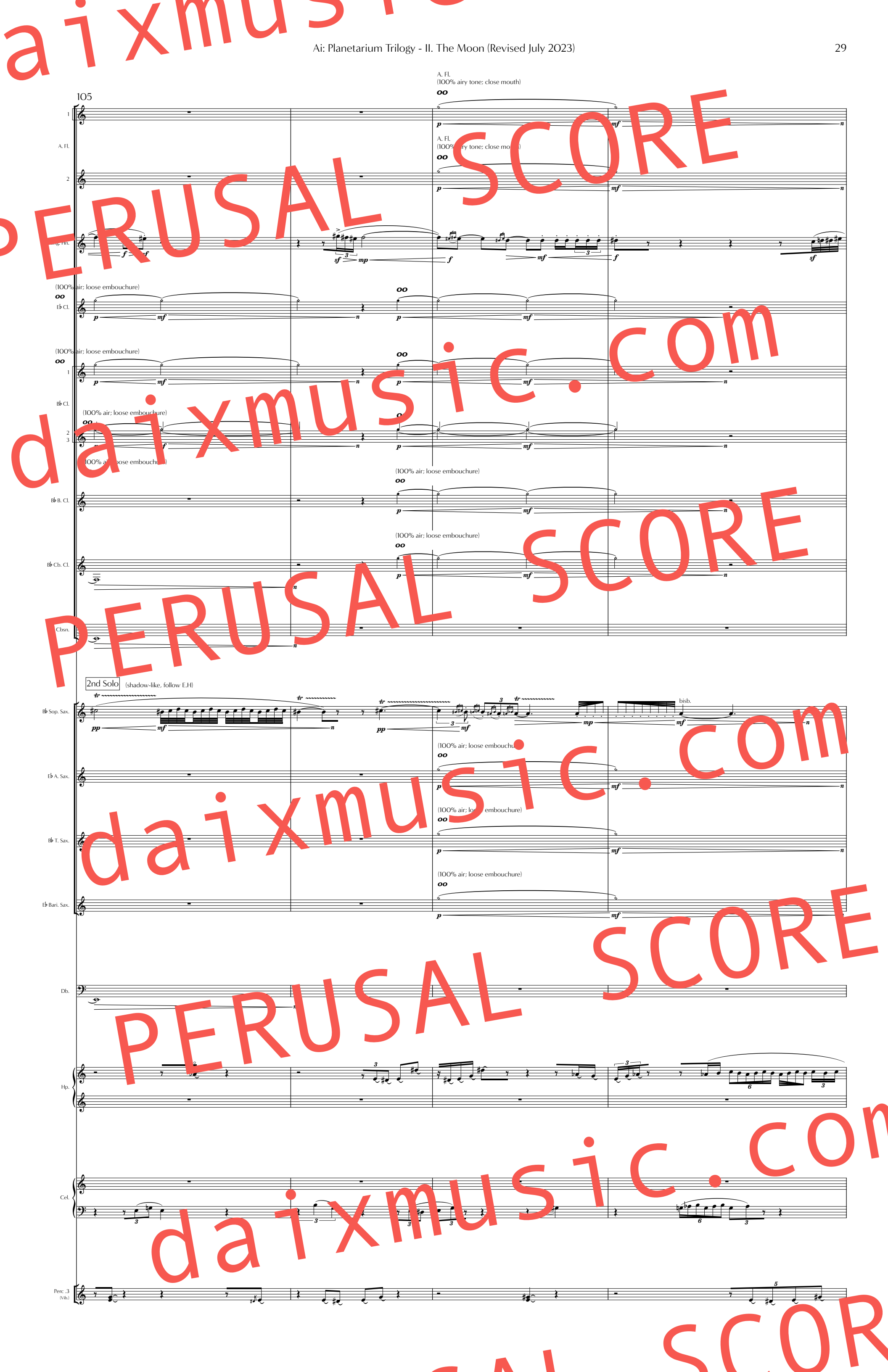
E♭ Bari. Sax.

Db.

Hp.

Cel.

Perc. 3 (Vib.)



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109

1 A. Fl.

2

Eng. Hn.

1 Eb Cl.

1 Bb Cl.

2 3 Bb Cl.

Bb B. Cl.

Bb Cb. Cl.

oo

p *mf* *n*

oo

p *mf* *n*

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

oo *hee* *oo*

p *mf* *n* *p*

oo *hee* *oo*

p *mf* *n* *p*

oo *hee* *oo*

p *mf* *n* *p*

oo *hee* *oo*

p *mf* *n* *p*

109

1b Sop. Sax.

1b A. Sax.

1b T. Sax.

1b Bari. Sax.

Hp.

Cel.

Perc. 3 (Vib.)

tr *tr* *tr*

p *mf* *p* *mf* *p*

oo *oo* *oo*

p *mf* *n* *n* *n*

p *mf* *n* *n* *n*

p *mf* *n* *n* *n*

6 6 6 10 8

3 3 6

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PERUSAL SCORE

SCOR

rit. 113 slower ca. ♩ = 60

112

A. Fl. 1, 2
Ob. 1, 2
Cl. Eb, Bb, B
Bsn. 1, 2
Cels.

rit. 113 slower ca. ♩ = 60

Bb Sop. Sax. (bisb.)
Eb A. Sax.
Bb T. Sax.
Eb Bari. Sax.
Db.
Hp.
Cel.
Perc. 3 (Vib.)
Perc. 4 (Cro.)
Perc. 5 (Sus. Cym.)

III. The Earth

Lento $\text{♩} = 60$

molto rit.

Piccolo 1, 2
Alto Flute 1, 2
Oboe 1, 2
F English Horn
E♭ Clarinet
B♭ Clarinet 1, 2, 3
B♭ Contrabass Clarinet
Bassoon 1, 2
Contrabass
Soprano Saxophone
E♭ Alto Saxophone
B♭ Tenor Saxophone
E♭ Baritone Saxophone

Lento $\text{♩} = 60$

molto rit.

Piccolo Trumpet 1, 2, 3
B♭ Trumpet 4, 5
F Horn 1, 2, 3, 4
Trombone 1, 2
Bass Trombone
Euphonium
Tuba
Double Bass
Harp
Piano
Timpani
Percussion 1 (Bass Drum)
Percussion 2 (Tom-tom)
Percussion 3 (Slapstick)
Percussion 4 (Vibraslap)
Percussion 5 (Triangle)

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19 22

Picc. 1 2

Fl. 1 2

Ob. 1 2

B♭ Cl. 1 2 3

B♭ B. Cl. 1 2

B♭ Cb. Cl. 1 2

Bsn. 1 2

Cbsn. 1 2

B♭ Sop. Sax. (slap tongue) mf

E♭ A. Sax. (slap tongue) mf

B♭ T. Sax. mf

E♭ T. Sax. mf

B♭ Pic. 1 2

B♭ Tpt. 1 2 3

F Hrn. 1 2 3 4

Tbn. 1 2 3

B. Tbn. 1 2

Euph. 1 2

Tba. 1 2

Db. 1 2

Hp. (freely; quazi ad lib.)

Pno. (freely; quazi ad lib.)

Solo
(extremely free & expressive, tempo rubato, quazi ad lib.)

Solo
(extremely free & expressive, tempo rubato, quazi ad lib.)

Solo
(extremely free & expressive, tempo rubato, quazi ad lib.)

Solo
(aim for sounding E#)

PERUSAL SCORE

The image displays a page of a musical score for 'The Earth' from the Planetarium Trilogy. The score is written for a large ensemble, including Piccolo, Flutes, Oboes, Clarinets, Bassoons, Saxophones, Trumpets, Horns, Trombones, Euphonium, Tuba, Double Bass, Harp, and Piano. The music is in 4/4 time and features a variety of dynamic markings such as *mf*, *mp*, *f*, and *p*. There are several 'Solo' sections with the instruction '(extremely free & expressive, tempo rubato, quazi ad lib.)'. The score includes various musical notations like slurs, accents, and dynamic hairpins. A large red watermark 'PERUSAL SCORE' is overlaid diagonally across the page, and the text 'dai xmusic.com' is repeated in a large, semi-transparent font.

27

25

Picc. 1 2

Fl. 1 2

Ob. 1

F Eng. Hn.

E♭ Cl.

B♭ Cl. 1

B♭ Cl. 2 3

B♭ B. Cl.

B♭ Cb. Cl.

Sn. 1 2

Cb. Sn.

27

B♭ Sop. Sax.

E♭ A. Sax.

B♭ T. Sax.

E♭ Bari. Sax.

27

B♭ Picc. Tpt.

B♭ Tpt. 2

Hp.

Pno.

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The musical score is arranged in a standard orchestral format with multiple staves. The instruments and their parts are as follows:

- Picc.** (Piccolo): 1 and 2 staves, starting at measure 29.
- Fl.** (Flute): 1 and 2 staves.
- Ob.** (Oboe): 1 and 2 staves.
- Cl.** (Clarinet): Eb Cl. (1 staff), Bb Cl. (1 and 2 staves), Bb B. Cl. (1 staff).
- Bsn.** (Bassoon): 1 and 2 staves.
- Sax.** (Saxophone): Bb Sop. Sax., Eb A. Sax., Bb T. Sax., Eb Bari. Sax.
- Tpt.** (Trumpet): Bb Picc. Tpt. (Solo), Bb Tpt. 2 (Solo).
- Hp.** (Horn): 1 staff.
- Pno.** (Piano): 1 staff.
- Perc.** (Percussion): Perc. 5 (Sus. Cym.), Sus. Cym.

The score includes various musical notations such as dynamics (mp, f, mf, ff, p), articulation (accents), and performance instructions (Solo). The piece is marked with a tempo of *mp* (mezzo-piano) and features a complex rhythmic structure with many sixteenth and thirty-second notes.

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34 Lento ♩ = 60

Musical score for Ai: Planetarium Trilogy - III. The Earth, page 37. The score is for a large orchestra and includes woodwinds, brass, percussion, and strings. It features multiple systems of staves with various instruments like Piccolo, Flute, Oboe, Horn, Clarinet, Bassoon, Saxophone, Trombone, Trumpet, Harp, Piano, and Percussion. The score includes dynamic markings (ff, p, mf, f), articulation instructions ('as smooth as possible, no articulation'), and performance directions like 'rit.' and 'M.T. (clasp chimes together)'. A large red watermark 'daixmusic.com' is overlaid across the score.

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38

(as smooth as possible, no articulation)

p *mf*

Picc. 1 2

Fl. 1 2

Ob. 1 2

Eng. Fl.

E♭ Cl.

B♭ Cl.

B♭ B. Cl.

Bsn. 1 2

B♭ Sop. Sax.

E♭ A. Sax.

B♭ Picc. Tpt.

Tpt. 2

4/4

Solo
expressively & freely

Solo Ends

41 Andante ♩ = 80

41 Andante ♩ = 80

4/4

Picc. 1 2

Fl. 1 2

Ob. 1 2

E♭ Cl.

B♭ Sop. Sax.

B♭ Tpt. 3 4 5

Tbn. 1 2 3

Db.

Hp.

Timp.

Perc. 4 (Crut.)

Perc. 5 (Sus. Cym.)

harmon mute (stem removed)

bigliando

ord.

bisbigliando

cup mute

(pizz.)

arco

metal rod

bowed (bass bow)

To Tri.

PERUSAL SCORE

47

51

(2+3)

Picc. 1
Picc. 2
Fl. 1
Fl. 2
Ob. 1
Ob. 2
Eb Cl.
Bb B. Cl.
Bb Cl. Cl.
1
Bsn.
2
Cbsn.



47

51

(2+3)

E♭ S. Sax.
E♭ A. Sax.
E♭ T. Sax.
E♭ Bari. Sax.



47

51

(2+3)

B♭ 4
5
1
2
F Hn.
3
4
1
2
Tbn.
3
Tba.

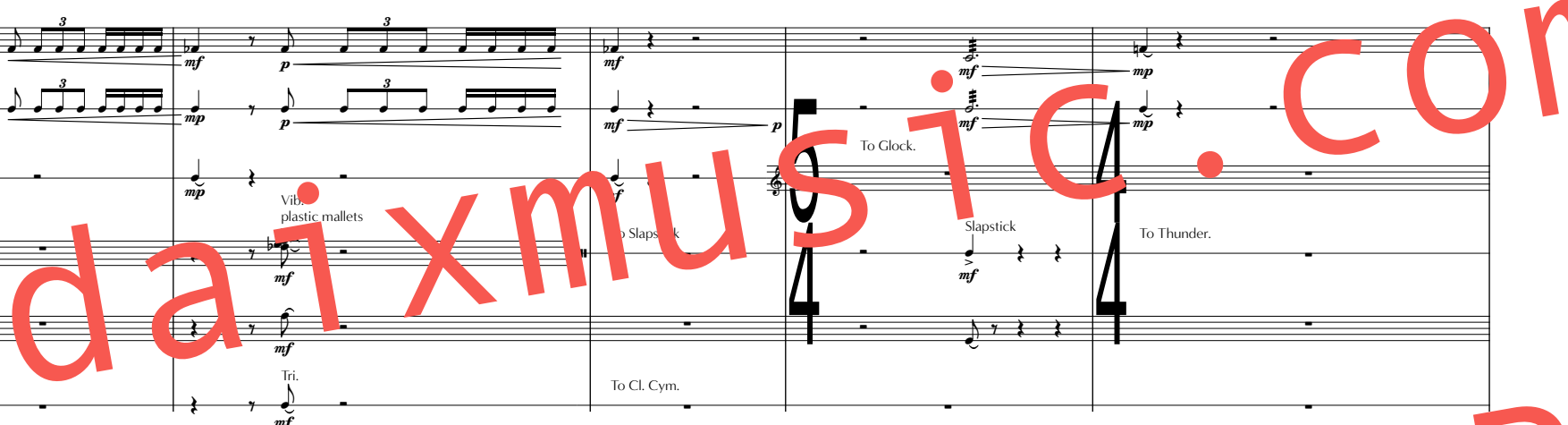


Db.

Hp.
Pno.
Timp.
Perc. 1 (B. Dr.)
Perc. 2 (T.-t.)
Perc. 3 (Vib.)
Perc. 4 (Cro.)
Perc. 5 (Tri.)



To Glock.
Slapstick
Slapstick
To Thunder.
To Cl. Cym.



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52

The musical score is arranged in a standard orchestral format with multiple staves for each instrument family. The instruments listed include Piccolo (Picc.), Flute (Fl.), Oboe (Ob.), Clarinet in Bb (Bb Cl.), Clarinet in Ebb (Ebb Cl.), Bassoon (Bsn.), Bassoon in C (Cb. Cl.), Saxophone in Bb (Bb Sop. Sax.), Saxophone in Eb (Eb A. Sax.), Saxophone in Eb (Eb Bari. Sax.), Trumpet (Pt.), Horn in F (F Hn.), Trombone (Tbn.), Trombone in Bb (B. Tbn.), Euphonium (Euph.), Tuba (Tba.), Harp (Hp.), Piano (Pno.), and Percussion (Perc. 1-4). The score includes dynamic markings such as *ff*, *mf*, *mp*, *p*, *sf*, and *n*, as well as articulation and performance instructions like 'a2', 'a2 (open)', and 'To M. T.'. The time signature changes from 2/4 to 4/4 throughout the piece.

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57

rit.

1
Picc. 2

1
Fl.

2
Ob. 2

1
E♭ Cl.

1
B♭ Cl.

2
3
B♭ B. Cl.

1
Cb. Cl.

1
2
Bsn.

Cbsn.

57

Solo (freely)

rit.

1
2
3
B♭ Picc. Tpt.

4
5
B♭ Tr.

1
2
F Hn.

3
4
Tbn. 1

2
B. Tbn.

Euph.

Tba.

Hp.

Pno.

Timp.

Perc. 2 (M. T.)

Perc. 3 (Thunder)

Perc. 4 (Crot.)

Perc. 5 (Cl. Cym.)

hard rubber mallets

Cl. Cym.