

# I. “Sunrise on CoRot-7b” - *Lava Planet*

Texas Grade 4.5-5

Duration- 4:12



<https://science.nasa.gov/exoplanet-catalog/corot-7-b/>

*Nasa created artwork of CoRot-7b with it's sun that appears 360 times larger*

CoRoT-7b is a super earth exoplanet that orbits a K-type star. Discovered in 2009, its mass is 4.08661 times that of Earth's. It is in the Monoceros constellation, about 500 light years away, and is remarkably close to its star, CoRoT-7. This star appears 360 times larger than Earth's sun in our sky. A typical sunrise on CoRoT-7b begins at 1800 degrees Fahrenheit to over 4700 degrees Fahrenheit. The only known planet in our universe whose composition is suspected of being completely of molten lava.

All the low instruments, often playing pedal tones, represent the lava. There are two distinct sections of music depicting the rise in temperature: “Lava Fireflies” and “Dance with the Devil.”

The end of the movement programmatically reaching the 4700-degree temperature of the lava! This would instantly vaporize a human.

**Tempo** ♩ = 100

## I. Sunrise on CoRot-7b

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(ASCAP)

8

**1**

This image shows a page from a musical score, likely for a symphony or concert band. The score is written for a large ensemble, including woodwinds, brass, strings, and percussion. The notation is in standard musical notation, with various notes, rests, and dynamic markings (e.g., *mp*, *mf*, *f*, *pp*). A large, semi-transparent watermark "SAMPLE" is overlaid diagonally across the page, indicating that this is a sample score. The score is organized into systems, with each system containing staves for different instruments or sections. The instruments listed on the left include Piccolo, Flute 1, Flute 2, Oboe 1, Oboe 2, English Horn, B♭ Clarinet 1, B♭ Clarinet 2, B♭ Clarinet 3, B♭ Bass Clarinet, Contrabass Clarinet in B♭, Bassoon 1, Bassoon 2, Contrabassoon, E♭ Alto Saxophone 1, E♭ Alto Saxophone 2, B♭ Tenor Saxophone, E♭ Baritone Saxophone, B♭ Trumpet 1, B♭ Trumpet 2, B♭ Trumpet 3, F Horn 1 & 2, F Horn 3 & 4, Trombone 1, Trombone 2, Trombone 3, Bass Trombone, Euphonium, Tuba, Double Bass, Timpani, Harp, Percussion 1 Anvil, Percussion 2 Chimes, Percussion 3 Vibraphone 1, Percussion 4 Vibraphone 2, Percussion 5 Gong, Percussion 6 Cymbals, and Percussion 7 Bass Drum. The score includes various musical notations such as notes, rests, and dynamic markings. A large, semi-transparent watermark "SAMPLE" is overlaid diagonally across the page.



GM1149-S\_TITAN 1 CoRot7b

## 40

*Repeat notes freetime - very quickly & smoothly*

*Sim.*

*Play slightly slower with a triplet feel*

Sim.

36

GM1149-S\_TITAN 1 CoRot7b



GM1149-S\_TITAN 1 C<sub>0</sub>Rpt7b



79 82 (♩ = 150) 90 Slightly Faster ♩ = 156 94

Picc. *mf* *p*

Fl. 1 *mf* *p*

Fl. 2 *mf* *p*

Ob. 1 *mf* *p*

Ob. 2 *mf* *p*

Eng. Hn. *mf* *p*

Cl. 1 *p*

Cl. 2 *p*

Cl. 3 *p*

Bs. Cl. *mf* *mp* *p*

Cb. Cl. *mf* *mp* *p*

Bsn. 1 *mf* *mp* *p*

Bsn. 2 *mf* *mp* *p*

Cbsn. *mf* *mp* *p*

A. Sax. 1 *p*

A. Sax. 2

Ten. Sax.

Bari. Sax.

79

Tpt. 1 *mf*

Tpt. 2 *mf*

Tpt. 3 *mf*

Hn. 1/2

Hn. 3/4

Tbn. 1 *p*

Tbn. 2 *p*

Tbn. 3 *p*

Bs. Tbn. *mf* *mp* *p*

Euph.

Tba. *mf* *mp* *p*

Pizz. *mf* *mp* (Pizz) *mp*

Db. *mf* *mp*

Temp. *p*

Hrp. *mp*

Perc. 1 Anv. To Tamb. Tambourine *p*

Perc. 2 Gra. To W.B. Wood Block *p*

Perc. 3 Vib. *mp*

Perc. 4 Mar. Marimba *mp*

Perc. 5 W.B. To Tri. Triangle Highest pitched triangle you have *p*

Perc. 6 S. D. On Drum *pp*

Perc. 7 B. D. To Taiko D. Taiko Drum *pp*

79



98

Slightly Faster

$\text{♩} = 160$

102

106

Faster

INSTANT TEMPO CHANGE

$\text{♩} = 62$

110

INSTANT TEMPO CHANGE

$\text{♩} = 90$

accel.

Picc.

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Eng. Hn.

Cl. 1

Cl. 2

Cl. 3

Bs. Cl.

Cb. Cl.

Bsn. 1

Bsn. 2

Cbsn.

A. Sax. 1

Tutti

A. Sax. 2

Ten. Sax.

Bari. Sax.

Tpt. 1

Tpt. 2

Tpt. 3

Hn. 1/2

Hn. 3/4

Tbn. 1

Tbn. 2

Tbn. 3

Bs. Tbn.

Euph.

Tba.

Db.

Timp.

Hrp.

Perc. 1 Tamb.

Perc. 2 W.B.

Perc. 3 Vib.

Perc. 4 Mar.

Perc. 5 Tri.

Perc. 6 S. D.

Perc. 7 Taiko D.

98

GM1149-S\_TITAN TCoRot7b

GM1149-S TITAN 1 CoRot7b

123

124 ♩ = 92 ♩. = ♩

molto rit.  
rit.

Picc

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Eng. Hn.

Cl. 1

Cl. 2

Cl. 3

Bs. Cl.

Cb. Cl.

Bsn. 1

Bsn. 2

Cbsn.

Sax. A

Sax. 2

Ten. Sax.

Bari. Sax.

Tpt. 1

Tpt. 2

Tpt. 3

Hrn. 1/2

Hrn. 3/4

Tbn. 1

Tbn. 2

Tbn. 3

Bs. Tbn.

Euph.

Tba.

Db.

Timp.

Hrp.

Gong

B. D.

Perc. 3 Vib.

Perc. 4 Mar.

Perc. 5 Cym.

Perc. 6 S. D.

Perc. 7 Taiko D.

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