

BÁLINT KAROSI

**EXOPLANETS**

*2015*

BÁLINT KAROSI  
(1979-)

*TO ANIMA MUSICAЕ*

# EXOPLANETS

2015

"WE ARE ALIVE. WE ARE INTELLIGENT. WE MUST KNOW."  
-STEPHEN HAWKING

- I. KEPLER
- II. HOT JUPITER
- III. PULSAR PLANET
- IV. FROZEN WORLD
- V. BROWN DWARF
- VI. WATERWORLD

INSTRUMENTATION:  
STRING ORCHESTRA 5-4-4-4-2  
HARP  
SUSPENDED CYMBAL

(DURATION CA. 15')

## I. KEPLER

BÁLINT KAROSI

11

Vln. I      *molto s.p.*

Vln. I div.      *ppp*

Vln. II      *mp*

Vln. II div.      *p*

Vla.      *(stand up for solo)*  
arco

Tutti      *f*

Vla. II

Vc. I      *mf*

Vc. II      *mf*

D. b.      *mf*

Hp.      *mf*

(gliss) *f*

17

Vln. I      *p*

Vln. I div.      *p*

Vln. II      *p*

Vln. II div.      *p*

Vla.      *p*

Vla. II      *p*

Vc. I      *p*

Vc. II      *p*

D. b.      *p*

Hp.      *mf*

s.p. Sul A

s.p. Sul C

*f*

*f*

*f*

*f*

7

22

Vln. I      *ord.*

Vln. I div.    *ord.*

Vln. II      *ord.*

Vln. II div. *ord.*

Vla.           *f*

Vla. II       *ord.*

Vc. I           *p*

Vc. II         *p*

Db.            *p*

Hp.            *p* (gliss.)

Musical score for orchestra and harp, page 30. The score includes parts for Vln. I, Vln. I div., Vln. II, Vln. II div., Vla., Vla. II, Vc. I, Vc. II, Db., and Hpf. The strings play sustained notes with dynamic markings such as *f*, *p*, *mp*, *Sf*, *Sf k*, *Sul D*, *Sul G*, *molto espr.*, *f solo*, and *p*. The harp part at the bottom features rhythmic patterns with slurs and dynamic markings like *p*, *mf*, *mp*, *f*, *3*, and *p*.



38

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla.

Vla. II

Vc. I

Vc. II

Db.

## II. HOT JUPITER





63

*norm arco non vib.*

Vln. I

*pp* — *ff*      *pp* — *fff*      *ff* — *mf*      *pp*

*norm arco non vib.*

Vln. I div.

*pp* — *ff*      *pp* — *fff*      *ff* — *mf*      *pp*

*norm. arco non vib.*

Vln. II

*pp* — *ff*      *pp* — *fff*      *ff* — *mf*      *pp*

*norm arco non vib.*

Vln. II div.

*pp* — *ff*      *pp* — *fff*      *ff* — *mf*      *pp*

Vla. I

*pp* — *ff*      *pp* — *fff*      *ff* — *mf*      *pp*

*norm arco non vib.*

Vla. II

*pp* — *ff*      *pp* — *fff*      *ff* — *mf*      *pp*

*solo*

Vc. I

*ff*      *ff*      *pp*      *mf*

*norm arco, non vib.*

Vc. II

*pp* — *ff*      *pp* — *fff*      *ff* — *mf*      *pp*

Db.

*mf*      *ff*      *pp*

Hp.

*fff*      *ff*      *decres.*      *p*      *ff*

*l.v.*      *l.v.*      *l.v.*

Musical score for orchestra and harp, page 16, measures 67-70. The score includes parts for Vln. I, Vln. I div., Vln. II, Vln. II div., Vla. I, Vla. II, Vc. I, Vc. II, Db., and Hp. Measure 67: All strings play sustained notes at ***ppp***. Measure 68: All strings play sustained notes at ***ppp***. Measure 69: Vcl. I and Vcl. II play sustained notes with a **gliss.** over three measures. Measure 70: Double basses play eighth-note patterns at ***pizz.*** dynamic ***f***. The harp part consists of sixteenth-note patterns at ***pp*** dynamic, with a tempo marking of ***cif.*** and a measure length of **6**. The harp part ends with a **poco decresc.**

70

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Db.

Hp.

二

75

Vln. I      *pizz*

Vln. I div.    *ff*      *pizz*

Vln. II      *pp*      *arco*

Vln. II div.    *ff*      *pizz*

Vln. II div.    *pp*      *arco*

Vla. I      *ff*      *pizz*

Vla. II      *pp*

Vla. I      *ff*      *pizz*

Vla. II      *pp*

Vc. I      *pizz*

Vc. II      *ff*      *pp*

Vc. I      *ff*      *pizz*

Vc. II      *pp*

Db.      *pizz*      *mf*      *f*      *ff*      *fff*

Hp.      *pp*      *ff*      *mf*      *ff*

Hp.      *pp*      *ff*      *mf*      *ff*

### III. PULSAR PLANET

**Allegro** ♩ = 132

12

82

Vln. I      *f marcato*      sim.

Vln. I div.    *f marcato*      sim

Vln. II      -      *fff*

Vln. II div. -      *fff*

Vla. I      -      *fff*

Vla. II      -      *fff*

Vc. I      *pizz*      *mp*      *f*

Vc. II      *pizz*      *mp*      *f*

Hp.      *p*      *f*

**Allegro ♩ = 132**

88

Vln. I      ff      ff      pizz      arco      fff

Vln. I div.      ff      ff      ff      fff

Vln. II      tr.      tr.      gliss.      ff

Vln. II div.      tr.      tr.      gliss.      ff

Vla. I      tr.      tr.      pizz      arco      fff

Vla. II      tr.      tr.      pizz      arco      fff

Vc. I      ff      ff      ff

Vc. II      ff      ff

Db.      pizz      ff

Hp.      f (gliss)      ff      ff

13

94

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Db.

Hp.

100

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Db.

Hp.

106

Vln. I  
Vln. I div.  
Vln. II  
Vln. II div.  
Vla. I  
Vla. II  
Vc. I  
Vc. II  
Db.  
Hp.

112

Vln. I  
Vln. I div.  
Vln. II  
Vln. II div.  
Vla. I  
Vla. II  
Vc. I  
Vc. II  
Db.  
Hp.

118

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Db.

Hp.

2

Musical score for orchestra and brass section, page 124. The score includes parts for Vln. I, Vln. I div., Vln. II, Vln. II div., Vla. I, Vla. II, Vc. I, Vc. II, Db., and Hp. The score shows various dynamics (ff, mf, f, ff, mf) and performance techniques (gloss.) across multiple measures.



143

Vln. I      *tr.*

Vln. I div.      *f*      *tr.*

Vln. II      *f*      *tr.*

Vln. II div.      *f*      *tr.*

Vla. I      *f*      *tr.*

Vla. II      *f*      *tr.*

Vc. I      *p*      *espressivo*      *gliss.*

Vc. II      *f*      *espressivo*      *gliss.*

Db.      *p*      *f*

Hp.      *pizz.*

149

Vln. I      *pizz.*      *mf*      *ff*

Vln. I div.      *pizz.*      *mf*      *ff*

Vln. II      *pizz.*      *mf*      *ff*

Vln. II div.      *pizz.*      *mf*      *ff*

Vla. I      *mf*      *ff*

Vla. II      *pizz.*      *p*      *f*

Vc. I      *pizz.*      *p*      *f*

Vc. II      *pizz.*      *p*      *f*

Db.      *p*

Hp.      *pizz.*

155

Vln. I arco *gliss.* *mp* *f* *ff* *tr*

Vln. I div. arco *gliss.* *mp* *f* *ff* *tr*

Vln. II arco *gliss.* *mp* *f* *ff* *tr*

Vln. II div. arco *gliss.* *mp* *f* *ff* *tr*

Vla. I *f* *gliss.* *ff* *tr*

Vla. II *f* *gliss.* *ff* *tr*

Vc. I *pizz.* *f* *ff* *ff* *tr*

Vc. II *pizz.* *f* *ff* *ff* *tr*

D. b. *f* *ff* *ff*

Hp. - - - - -

This musical score page contains a system of eight staves, each representing a different instrument or section of the orchestra. The instruments are: Vln. I (Violin I), Vln. I div. (Violin I division), Vln. II (Violin II), Vln. II div. (Violin II division), Vla. I (Cello I), Vla. II (Cello II), Vc. I (Double Bass), and Hp. (Horn). The music is set in common time (indicated by '12'). Measure 155 begins with sustained notes and glissandos from the violins. The cellos play pizzicato patterns. The double bass and horn provide harmonic support with rhythmic patterns. Dynamics are marked with 'mp', 'f', 'ff', and 'tr' (trill). The score ends with sustained notes from the violins and cellos.

19

(tr) 161

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Db.

Hp.

tr. *p* *f* *pizz* *ff* *f*

*mf marcato* *mf marcato*

*pizz* *ff* *f* *ff*

*pizz* *ff* *f* *ff*

*f* *ff* *f* *ff*

167

Vln. I      arco  
ff      ff      fff  
Vln. I div.      arco  
ff      ff  
Vln. II      arco  
ff      fff  
f  
Vln. II div.      arco  
ff      ff  
Vla. I      pizz      ff  
arco  
f  
pp  
Vla. II      pizz  
ff  
arco  
f  
pp  
Vc. I      f  
ff      mf  
arco  
arco  
Vc. II      f  
ff      mf  
arco  
arco  
Db.      f  
ff  
arco  
arco  
Hp.      ff

#### IV. BROWN DWARF

OGLE-2013-BLG-0341LBb

**Slowly moving** ♩ = 72

173

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Db.



183

Vln. I (continue fluctuating)

Vln. I div. (continue fluctuating)

Vln. II (continue fluctuating)

Vln. II div. (continue fluctuating)

Vla. I  $\begin{smallmatrix} f \\ pp \end{smallmatrix}$   $\begin{smallmatrix} mf \\ pp < mf \end{smallmatrix}$   $\begin{smallmatrix} pp < mf \\ cresc \end{smallmatrix}$

Vla. II  $\begin{smallmatrix} f \\ pp \end{smallmatrix}$   $\begin{smallmatrix} mf \\ pp < mf \end{smallmatrix}$   $\begin{smallmatrix} pp < mp \\ cresc \end{smallmatrix}$

Vc. I  $\begin{smallmatrix} \text{gliss.} \\ pp < mp \end{smallmatrix}$   $\begin{smallmatrix} p < mf \\ \text{gliss.} \end{smallmatrix}$   $\begin{smallmatrix} mp < f \\ \text{gliss.} \end{smallmatrix}$

Vc. II  $\begin{smallmatrix} pp < mp \\ \text{gliss.} \end{smallmatrix}$   $\begin{smallmatrix} p < mf \\ \text{gliss.} \end{smallmatrix}$   $\begin{smallmatrix} mp < f \\ \text{gliss.} \end{smallmatrix}$

Db.  $\begin{smallmatrix} pp < mp \\ \text{gliss.} \end{smallmatrix}$   $\begin{smallmatrix} p < mf \\ \text{gliss.} \end{smallmatrix}$   $\begin{smallmatrix} mp < f \\ \text{gliss.} \end{smallmatrix}$

**poco accel.**

Hp  $f$   $ff$   $p$   $cresc$   $mf$

poco rit.

(8) 192 (tr) tr tr tr tr fff pp

Vln. I mf ff fff pp

Vln. I div. mf ff fff pp

Vln. II mf ff fff pp

Vln. II div. mf ff fff pp

Vla. I mf ff fff pp

Vla. II mf ff fff pp

Vc. I V gliss. scratchy s.p. ff fff pp

Vc. II V gliss. scratchy s.p. ff fff pp

D. b. V gliss. scratchy s.p. ff fff pp

poco rit.

Hp. ff fff ff f

24

199

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Db.

Hp.

(tr)

208

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Db.

Hp.

## V. FROZEN WORLD

OGLE-2013-BLG-0341LBb

217

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Cym.

*tutti* *s.p.*

*pp* *s.p.*

*pp*

*pp*

*harm. gliss*  
*s.p., rhythm ad lib.*

*ppp* *Sul. G*

*harm. gliss*  
*s.p., rhythm ad lib.*

*ppp* *Sul. G*

*Susp. cymbal, bowed* *z*

*pppp*

26

*Solo* *f*

222

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Cym.

Hp.

*f* *marcato*

*pp* *mf*

*pp* *mf*

*mf*

*mf*

*Sul A*

*Sul A* *z*

*pppp*

*pppp*

*p*

226

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Cym.

Hp.

229

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Cym.

Hp.

232

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Cym.

Hp.

*mf* *f* *s.p.* *tutti* *mf*

*mp* *p* *s.p.* *tr*

*tr*

*mp* *p* *s.p.* *mf*

*mp* *p* *f*

*f* *Sul G*

*Sul D* *(s.p.)*

*pp* *(s.p.)* *non s.p.*

*pp* *non s.p.*

*f*

236

Vln. I  
Vln. I div.  
Vln. II  
Vln. II div.  
Vla. I  
Vla. II  
Vc. I  
Vc. II  
Cym.  
Double Bass  
Hp.

240

Vln. I  
Vln. I div.  
Vln. II  
Vln. II div.  
Vla. I  
Vla. II  
Vc. I  
Vc. II  
Db.  
Hp.

244

Vln. I      *f*      *sfp*  
Vln. I div.    *pp*  
Vln. II      *pp*  
Vln. II div.    *sfp*  
Vla. I      *pp*  
Vla. II      *pp*  
Vc. I  
Vc. II  
Db.  
Hp. { *pp*

251

Vln. I      *poco*      *p*  
Vln. I div.  
Vln. II  
Vln. II div.  
Vla. I  
Vla. II  
Vc. I      *p decresc*  
Vc. II      *p decresc*  
Db.  
Hp. { *ppp*

Susp. cymbal bowed

31

256

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Cym.

Hp.

## VI. WATERWORLD

## Kepler 22b

32



273

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Db.

Hp.

s.p. Sul A

*pp cresc*



280

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Db.

Hp.

*pp*

*pp*

*cresc*

287

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Db.

Hp.

ff  
norm.  
ff  
norm.  
norm.  
f  
norm.  
f  
norm.  
f

294

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I

Vc. II

Db.

Hp.

ff sub p  
ff sub p  
sub p  
sub p  
mf  
mf  
mf  
mf  
norm.  
f  
gliss.  
mf  
norm.  
f  
norm.  
f  
norm.  
ff m  
sim  
f

301

Vln. I  
Vln. I div.  
Vln. II  
Vln. II div.  
Vla. I  
Vla. II  
Vc. I  
Vc. II  
Db.  
Hp.

gliss  
gliss  
gliss  
gliss  
gliss  
gliss  
mf  
p  
ff  
f

=

308

Vln. I  
Vln. I div.  
Vln. II  
Vln. II div.  
Vla. I  
Vla. II  
Vc. I  
Vc. II  
Db.  
Hp.

f  
mf  
f  
f  
f  
f  
f  
f  
f  
f  
norm.  
p  
norm.  
p  
norm.  
p  
norm.  
p  
p  
f  
mp  
p  
f

318

Vln. I      *mf esp.*

Vln. I div.      *mf esp.*

Vln. II      *mf*  
gliss.

Vln. II div.      *p*  
gliss.

Vla. I      *mf*  
gliss.

Vla. II      *mf*

Vc. I      *p*

Vc. II      *p*

Db.      *p*

Hp.      *p*

329

Meno mosso  $\text{♩} = 80$

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc. I      *pp unmeasured.*  
gliss.

Vc. II      *pp unmeasured.*  
gliss.

Db.      *f*

Hp.      *ff > p < f > p*  
*mf*

338

Vln. I  
Vln. I div.  
Vln. II  
Vln. II div.  
Vla. I  
Vla. II  
Vc. I  
Vc. II  
Db.  
Hp.

*s.p.*  
*pp*  
*s.p.*  
*pp*  
*s.p.*  
*pp*  
*s.p.*  
*pp*  
*s.p.*  
*pp*

*solo*  
*f*  
*mf*  
*pp*

*Vcl. I tutti*

*bisb*

*pp*  
*s.p.*  
*pp*  
*s.p.*  
*pp*

344

Not too fast ♩ = 116

Vln. I  
Vln. I div.  
Vln. II  
Vln. II div.  
Vla. I  
Vla. II  
Vc. I  
Vc. II  
Db.  
Hp.

*molto s.p.*  
*ppp*  
*molto s.p.*  
*ppp*  
*molto s.p.*  
*ppp*  
*molto s.p.*  
*tutti molto s.p.*  
*p*

*norm*  
*mf*  
*norm*  
*mf*  
*mf*  
*gliss.*  
*mf*  
*norm*  
*mf*  
*norm*  
*mf*  
*norm*  
*mf*  
*mf*

*molto s.p.*

*Not too fast ♩ = 116*

*p*

351

Vln. I      Vln. I div.      Vln. II      Vln. II div.      Vla. I      Vla. II      Vc.      Vc. II      Db.      Hp.

gliss.      mf      pp      norm.      ff      gliss.      mf  
CRES.  
CRES.  
CRES.  
CRES.  
CRES.  
pp CRES.  
pp CRES.

358

Vln. I      Vln. I div.      Vln. II      Vln. II div.      Vla. I      Vla. II      Vc.      Vc. II      Db.      Hp.

p cresc.      p cresc.      p cresc.      p cresc.      f norm.      f norm.      f norm.      ff  
p cresc.      p cresc.      p cresc.      p cresc.      norm.      norm.      norm.      ff  
p cresc.      p cresc.      p cresc.      p cresc.      norm.      norm.      norm.      ff  
p cresc.      p cresc.      p cresc.      p cresc.      ff  
f      ff  
mf

365

Vln. I  
Vln. I div.  
Vln. II  
Vln. II div.  
Vla. I  
Vla. II  
Vc.  
Vc. II  
Db.  
Hp.

*f*      *ff*      *f*      *ff*  
*f*      *ff*      *f*      *ff*  
*f*      *ff*      *f*      *ff*  
*ff*  
*f*      *ff*  
*f*      *ff*  
*f*      *ff*  
*f*      *ff*  
*f*      *ff*  
*f*      *ff*  
*ff*

370

Vln. I  
Vln. I div.  
Vln. II  
Vln. II div.  
Vla. I  
Vla. II  
Vc.  
Vc. II  
Db.  
Hp.

*gliss.*  
*gliss.*  
*gliss.*  
*gliss.*  
*ff*

376

Vln. I

Vln. I div.

Vln. II

Vln. II div.

Vla. I

Vla. II

Vc.

Vc. II

Db.

Hp.

40

