

# HOW THE SOLAR SYSTEM WAS WON

FOR SYMPHONY ORCHESTRA

BY MATT BROWNE



Just a Theory  
Press

# Program Note

*How the Solar System Was Won* was the working title of the Kubrick classic, *2001: A Space Odyssey*, the composer's favorite film. Using the title as an impetus, this piece is about three very different but related things: one astronomical, one musical, and one deeply personal.

The astronomical narrative is about how the solar system became what it is today through the chaotic mess of celestial mechanics and cosmic collisions. Over billions of years various gasses, rocks, and other debris have interacted with each other in these ways to create this tentative orbital balance we have around us, still slowly (but consistently) changing. It is interesting that some of the most recognized astronomical objects (Saturn's rings, the asteroid belt, the moon) came as a direct result of a collision of some sort that has momentarily thrown off the balance that gravitational forces have been working so hard to create.

The second narrative deals with my use of musical *grooves*. I repeatedly set them up one by one for only a few bars at a time – just before the audience can be lulled into a comfortable, restful languor (much like an orbit) – and then quickly subvert them in chaotic and surprising ways to make something new and exciting – a musical version of Saturn's rings.

The final narrative is about how the most chaotic and devastating moments in our normally groove-filled lives are what contribute most to shaping our personalities, and help give us our own personal rings of Saturn.

*This work is dedicated to my parents, Patrick and Jill Browne, for their unrelenting support of my pursuit of writing weird music.*

## **Instrumentation**

Piccolo

Flute 1-2

Oboe 1-2

English Horn

Clarinet in Eb

Clarinet in Bb 1-2

Bassoon 1-2

Contrabassoon

Horn in F 1-4

Trumpet in C 1-3

Trombone 1-2

Trombone 3 (Bass)

Tuba

Timpani (32", 29", 26", 23")

### **Percussion 1**

*2 Suspended Cymbals (Lg., Sm.), Tam-tam, Marimba, Temple Blocks*

### **Percussion 2**

*Vibraphone, Bass Drum, Small Suspended Cymbal, Brake Drum*

### **Percussion 3**

*3 Cowbells (Lg., Med., Sm.), Crotales, 2 Bongos/2 Congas, Xylophone*

Harp

Piano/Celesta

Violin I

Violin II

Viola

Violoncello

Contrabass

**Duration: c. 7.5 min.**

**[www.matthewbrownecomposer.com](http://www.matthewbrownecomposer.com)**

# How the Solar System Was Won

for Symphony Orchestra

Matthew Browne

 $\text{♩} = 56$ , In a trance, but with an edgy expectancy

Piccolo

Flute 1,2

Oboe 1,2

English Horn

Clarinet in E $\flat$

Clarinet in B $\flat$  1,2

Bassoon 1,2

Contrabassoon

Horn in F 1,2

Horn in F 3,4

Trumpet in C 1,2

Trumpet in C 3

Trombone 1,2

Trombone 3 (Bass)

Tuba

Timpani

Percussion 1  
2 Sus. Cyms. (Lg. and Sm.)  
Maracas  
Marimba  
Temple Blocks

Percussion 2  
Vibraphone  
Sm. Sus. Cym.  
Brake Drum

Percussion 3  
3 Cowbells (Lg., Med., Sm.)  
Crotolas  
2 Bongos, 2 Congas  
Xylophone

Harp

Piano/Celesta

Violin I

Violin II

Viola (div.)

Violoncello

Contrabass (div.)

*Place a large sus. cym. upside-down on the head of the middle timpani, and tremolo on it while slowly glissing between given pitches.*

*Vibraphone with soft mallets*

*Cowbells with medium-hard mallets*

*l.v.*

*Celesta*

*semper lots of ♫*

*con sord.* *free bows*

*ppp cold*

*p wispy*

*gliss. sul A*

*Repeated harmonic gliss. up and down the A String at a medium-fast pace. Do not synchronize.*

*con sord.* *free bows*

*gliss. sul C*

*Repeated harmonic gliss. up and down the C string at a medium-fast pace. Do not synchronize.*

*con sord.* *free bows*

*gliss. sul A*

*Repeated harmonic gliss. up and down the A String at a medium-fast pace. Do not synchronize.*

*con sord.* *free bows*

*gliss. sul E*

*Repeated harmonic gliss. up and down the E string at a medium-fast pace. Do not synchronize.*

*con sord.* *free bows*

$\text{♩} = 56$ , In a trance, but with an edgy expectancy

## How the Solar System Was Won - Full Score (Transposed)

How the Solar System Was Won - Full Score (Transposed)

**A**

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Timp.

Lg. Sus. Cym.  
all bowed

Sus. Cyms.

Vib.

C-bells

Hp.

Pno./Cel.

**A**

Vln. I

Vln. II

(div.)

Vla.

non. vib.  
con sord.

Vc.

mp *tranquil*

mf

n

(div.)

Cb.

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Tim.

*pp*  
Sm. Sus. Cym.

Sus. Cyms.

*sempre simile*

Vib.

*p*

C-bells

*p*

Hp.

Pno./Cel.

*p*

*non. vib.*  
*v con sord.*

Vln. I

*mp*  
*tranquil*

*mf*

*n*

Vln. II

Vla.

Vc.

Cb.

How the Solar System Was Won - Full Score (Transposed)

**B**

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

Eb Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Timp.

Sus. Cyms.

Vib.

C-bells

Hp.

Pno./Cel.

Vln. I

Vln. II

Vla.

Vc.

Cb.

**B**

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Tim.

Sus. Cyms.

Vib.

C-bells

Hp.

Pno./Cel.

Vln. I

Vln. II

Vla.

Vc.

Cb.

23

24

25

26

27

## How the Solar System Was Won - Full Score (Transposed)

**C**

Picc. *mp mellow*

Fl. 1,2 *mp mellow*

Ob. 1,2 *mp mellow*

Eng. Hn. *mp mellow*

Eb Cl. *mp mellow*

Cl. 1,2 *mp mellow*

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Timp. *p*

Sus. Cyms.

Vib. *p static*  
*Re. semper until m. 53*

C-bells

Hp. *l.v. all*  
*p static*

Pno./Cel. *p static*  
*Re. semper until m. 55*

Vln. I

Vln. II

Vla.

Vcl.

Cb.

How the Solar System Was Won - Full Score (Transposed)

28 29 30 31

*non. vib.*

*mp tranquil*

*continue bowing freely, with short pauses in between each bow.*

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Tim.

Sus. Cyms. →

Vib.

C-bells

Hp.

Pno./Cel.

Vln. I

Vln. II

Vla.

Vc.

Cb. →

32            33            34            35

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

C. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Tim.

Sus. Cyms.

Vib.

C-bells

Hp.

Pno./Cel.

Vln. I

Vln. II

Vla.

Vc.

Cb.



## How the Solar System Was Won - Full Score (Transposed)

**E**

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

Eb Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Timp.

Sus. Cyms.

Vib.

Crot.

Hpf.

Pno./Cel.

Vln. I

Vln. II

Vla.

Vc.

Cb.

45 46 47 48 49

3

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Tim.

Sus. Cyms.

Vib.

Crot.

Hp.

Pno./Cel.

Vln. I

Vln. II

Vla.

Vc.

Cb.

Picc. ad lib.

Fl. 1,2 ad lib. 6

Ob. 1,2 ad lib. 3

Eng. Hn. ad lib. 3

E♭ Cl. ad lib. 3

Ct. 1,2 ad lib. 3

Bsn. 1,2 ad lib. 3

Cbsn. ad lib. 3

Hn. 1,2 ad lib. + 3

Hn. 3,4 ad lib. + 3

Tpt. 1,2 ad lib. remove mute

Tpt. 3 ad lib. remove mute

Tbn. 1,2 ad lib. remove mute

B. Tbn. ad lib. remove mute

Tba.

Tim. l.v. To T.-t.

Sus. Cyms. mf switch to hard mallets \*

Vib.

Crot.

Hp. 3 3 3

Pno./Cel. 5 5 To Piano

Vln. I \*

Vln. II 3 \*

Vla. 3 \*

Vc. \*

Cb. →

**molto rit.**

Picc. -

Fl. 1,2 -

Ob. 1,2 -

Eng. Hn. -

E♭ Cl. -

Cl. 1,2 -

Bsn. 1,2 -

Cbsn. -

Hn. 1,2 -

Hn. 3,4 -

Tpt. 1,2 -

Tpt. 3 -

Tbn. 1,2 -

B. Tbn. -

Tba. -

Tim. *[remove cymbal from timp.]* -

Sus. Cyms. -

Vib. -

Crot. *[To Xyl.]* -

Hp. -

Pno./Cel. -

Vln. I -

Vln. II -

Vla. *div.* *p* -

Vc. -

Cb. -

**molto rit.**

56 57 58 59 60 61 62

**F** ♩ = 140, Pesante

♩ = 56, A tempo

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2 *ff* *vile*

Hn. 3,4 *ff* *vile*

Tpt. 1,2 *ff* *vile*

Tpt. 3 *unmuted* *ff* *vile*

Tbn. 1,2 *gloss.* *ff* *vile*

B. Tbn. *ff* *vile*

Tba. *ff* *vile*

Tim. A, E♭, Low F  
with stacc. mallets

T.t. *ff* *vile* *Tam-tam* *damp!*

Vib. *ff* *vile*

Xyl. *ff* *vile* *Xylophone* *with hard mallets*

Hp. *bassoon*

Pno./Cel. *ff* *booming* *piano*

**F** ♩ = 140, Pesante

♩ = 56, A tempo

Vln. I

Vln. II

Vla.

Vc.

Cb.

**G** ♩ = 140

**Machine-like**

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Tim.

T.t.

Vib.

Xyl.

Hp.

Pno./Cel.

**G** ♩ = 140

**Machine-like**

70 71 72

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Tim.

Mar.

Vib.

Xyl.

Hp.

Pno./Cel.

Vln. I

Vln. II

Vla.

Vc.

Cb.

2 Bongos and 2 Congas  
with xylo. mallets

*mf*

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Timp.

Mar.

Vib.

Bongos/Congas

Hp.

Pno./Cel.

Vln. I

Vln. II

Vla.

Vc.

Cb.

To Xyl.

76      77      78      79

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Tim.

Mar.

Vib.

Bongos/Congas

Xylophone

Bongos/Congas

Xylophone

gliss.

Hp.

Pno./Cel.

Vln. I

Vln. II

Vla.

Vc.

Cb.

80

81

82

83

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Timp.

Mar.

Vib.

Xyl.

Hp.

Pno./Cel.

Vln. I

Vln. II

Vla.

Vc.

Cb.

E♭ to D  
B♭ to A

ff 6 f

Bongos/Congas

f

ff 6 f

84 85 86

## How the Solar System Was Won - Full Score (Transposed)

How the Solar System Was Won - Full Score (Transposed)

**H**

accel.

Picc. *mp*

Fl. 1,2 *mp*

Ob. 1,2 *mp*

Eng. Hn.

E♭ Cl. *mp*

C. Cl. 1,2 *mf*

Bsn. 1,2 *mf*

Cbsn. *sffz*

Hn. 1,2 *mf*

Hn. 3,4 *mf*

Tpt. 1,2 *f*

Tpt. 3 *f*

Tbn. 1,2 *mp*

B. Tbn. *sffz*

Tba. *sffz*

Tim. *sffz*

Mar. *mf*

Vib. *mf*

Bongos/Congas *mf*

Xylophone

Hp. *mp cresc.* *3* *3* *3* *3* *f*

Pno./Cel. *mp cresc.* *3* *3* *3* *3* *8va* *f*

**H** *Reo.*

Vln. I

Vln. II

Vla.

Vc.

Cb.

accel.

senza sord.

*f*

**I** ♩ = 164, Aggressive

Picc. *sffz*

Fl. 1,2 *sffz*

Ob. 1,2 *sffz*

Eng. Hn. *sffz*

E♭ Cl. *sffz*

Cl. 1,2 *sffz*

Bsn. 1,2 *sffz*

Cbsn. *sffz*

Hn. 1,2 *sffz*

Hn. 3,4 *sffz*

Tpt. 1,2 *sffz*

Tpt. 3 *sffz*

Tbn. 1,2 *sffz*

B. Tbn. *sffz*

Tba. *sffz*

*damp*

Timp. *sffz*

Mar. *sffz*

Vib. *sffz*

Xyl. *sffz*

Hp.

Pno./Cel. *sffz*

**I** ♩ = 164, Aggressive

Vln. I

Vln. II

Vla.

Vc.

Cb.

How the Solar System Was Won - Full Score (Transposed)

91

92

93

senza sord.

f

sempre sim.

senza sord.

f

Picc. *sffz*

Fl. 1,2 *sffz*

Ob. 1,2 *sffz*

Eng. Hn. *sffz*

E♭ Cl. *sffz*

Cl. 1,2 *sffz*

Bsn. 1,2 *sffz*

Cbsn. *sffz*

Hn. 1,2 *sffz*

Hn. 3,4 *sffz*

Tpt. 1,2 *pp* *mf* *pp* *mf* *pp* *mf* *mp* *molto* *f*

Tpt. 3 *sffz* *pp* *molto*

Tbn. 1,2 *sffz*

B. Tbn. *sffz*

Tba. *sffz*

*damp*

Timp. *sffz*

Mar. *sffz*

Vib. *sffz*

Xyl. *sffz*

Hp.

Pno./Cel. *sffz*

Vln. I *sempre sim.*

Vln. II

Vla.

Vc.

Cb.

Picc. - - - | 3 - - | 4 - -

Fl. 1,2 - - - | 3 - - | 4 - -

Ob. 1,2 - - - | 3 - - | 4 - -

Eng. Hn. - - - | 3 - - | 4 - -

E♭ Cl. - - - | 3 - - | 4 - -

Cl. 1,2 - - - | 3 - - | 4 - -

Bsn. 1,2 - - - | 3 - - | 4 - -

Cbsn. - - - | 3 - - | 4 - -

Hn. 1,2 - - - | 3 - - | 4 - -

Hn. 3,4 - - - | 3 - - | 4 - -

Tpt. 1,2 *sfz* - - - | *pp* - - | 3 *mf* - - | 4 - - | *f* - -

Tpt. 3 *sfz* - - - | - - - | 3 *pp* - - | 4 - - | *molto* - -

Tbn. 1,2 - - - | 3 - - | 4 - -

B. Tbn. - - - | 3 - - | 4 - -

Tba. - - - | 3 - - | 4 - -

Tim. - - - | 3 - - | 4 - -

Mar. *with med-hard mallets* - - - | - - - | 3 - - | 4 - -

Vib. *f* - - - | *with med-hard mallets* - - - | 3 - - | 4 - -

Xyl. *f* *ped.* - - - | - - - | 3 - - | 4 - -

Hp. *l.v.* *f* - - - | - - - | 3 - - | 4 - -

Pno./Cel. *f* *#8* - - - | - - - | 3 - - | 4 - -

Vln. I *ped.* - - - | - - - | 3 - - | 4 - -

Vln. II - - - | - - - | 3 - - | 4 - -

Vla. *sempre sim.* - - - | - - - | 3 - - | 4 - -

Vc. - - - | 3 - - | 4 - -

Cb. - - - | 3 - - | 4 - -

How the Solar System Was Won - Full Score (Transposed)

Picc. Fl. 1,2 Ob. 1,2 Eng. Hn. Eb Cl. Cl. 1,2 Bsn. 1,2 Cbsn.

Hn. 1,2 Hn. 3,4 Tpt. 1,2 Tpt. 3 Tbn. 1,2 B. Tbn. Tba.

Timp. Mar. Vib. Xyl.

Hp. Pno./Cel.

Vln. I Vln. II Vla. Vc. Cb.

**J**

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2  
1.

Bsn. 1,2  
1.

Cbsn.

Hn. 1,2  
1.

Hn. 3,4  
3.

Tpt. 1,2  
1,2. remove mute

Tpt. 3  
remove mute

Tbn. 1,2

B. Tbn.

Tba.

Timp.

To T.t.

Mar.

To B.D.

Vib.

Xyl.

ff

mp

unmuted

mp

f

Hp.

both hands

ff bombastic

mp

f

Pno./Cel.

Vln. I  
ff

Vln. II  
ff

Vla.  
ff

Vc.  
ff bombastic

Cb.  
ff bombastic

p

ord.

mf

sempre sim.

sempre sim.

103

104

105

106

How the Solar System Was Won - Full Score (Transposed)

Picc. *mf*

Fl. 1,2 *mf*

Ob. 1,2 *mf*

Eng. Hn.

E♭ Cl. *mf*

Cl. 1,2 *mf*

Bsn. 1,2 *mf*

Cbsn.

Hn. 1,2 *mf*

Hn. 3,4 *mf*

Tpt. 1,2 *mf*

Tpt. 3 *f*

Tbn. 1,2 *mp*

B. Tbn. *mp*

Tba.

Tim. *mp*

Mar.

B. D. *mp*

Xyl.

Hp.

Pno./Cel. *mf*

Vln. I *ord.* *mf*

Vln. II *sempre sim.*

Vla. *sempre sim.*

Vc. *mf*

Cb. *mf*

Picc. *f*

Fl. 1,2 *f*

Ob. 1,2 *f*

Eng. Hn. *f*

E♭ Cl. *f*

Ct. 1,2 *f*

Bsn. 1,2 *f*

Cbsn.

Hn. 1,2 *f*

Hn. 3,4 *f*

Tpt. 1,2 *f*

Tpt. 3 *mf*

Tbn. 1,2 *mf*

B. Tbn. *mf*

Tba. *mf*

Tim. *mf*

T-t. *mf*

B. D. *mf*

Xyl. *mf*

**Hp.**

Pno./Cel.

Vln. I *ord.* *f* *sempre sim.* *ff*

Vln. II *f* *ff*

Vla. *f* *ff*

Vc. *f* *ff*

Cb. *f* *ff*

**K Wild!**

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

insert mute (harmon)

Tpt. 3

1,2. insert mute (harmon)

Tbn. 1,2

B. Tbn.

Tba.

D to D♭

Timp.

To Mar.

To Vib.

B. D.

Xyl.

Hp.

f

$8^{\text{vb}}$

Pno./Cel.

f

$8^{\text{vb}}$

**K Wild!**

Vln. I

Vln. II

Vla.

Vc.

Cb.



**L Demented**

Picc. *sfz*

Fl. 1,2 *sfz*

Ob. 1,2 *sfz*

Eng. Hn.

E♭ Cl. *solo* *f jubilant*

Cl. 1,2 *sfz*

Bsn. 1,2 *sfz mp incessant*

Cbsn. *sfz mp incessant*

Hn. 1,2 *ff*

Hn. 3,4 *ff*

Tpt. 1,2 *ff* 1,2. insert mute (harmon)

Tpt. 3

Tbn. 1,2

B. Tbn. insert mute (harmon)

Tba. *ff*

Tim. D♭ to E♭ *f*

Mar. *sfz*

Vib. *sfz* To Sm. Sus. Cym.

Xyl.

Hp. *sfz* *ff*

Pno./Cel. *sfz*

**L Demented**

Vln. I *gliss. sfz*

Vln. II *gliss. sfz* Highest note sul C

Vla. *gliss. sfz* Highest note sul C

Vc. *gliss. pizz.*

Cb. *mp incessant*

Picc. *solo* *sffz f jubilant*

Fl. 1,2 *sffz*

Ob. 1,2 *sffz*

Eng. Hn.

E♭ Cl. *f*

Cl. 1,2 *sffz*

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Tim.

Mar. *sffz*

Vib. *Sm. Sus. Cym.*  
scrape with triangle beater *To Vib.* *choke*

Xyl. *To Bongos/Congas* *sffz*

Hp. *sffz*

Pno./Cel. *sffz*

Vln. I *(snap pizz.)* *sffz*

Vln. II *(snap pizz.)* *sffz*

Vla. *(snap pizz.)* *sffz*

Vc. *(snap pizz.)* *sffz*

Cb.

Picc.

Fl. 1,2 *f jubilant*

Ob. 1,2 *f jubilant*

Eng. Hn.

E♭ Cl.

Cl. 1,2 *f*

Bsn. 1,2 *mf*

Cbsn. *mf*

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Timp.

Mar. *mf*

Sm. Sus. Cym.

Xyl.

Hp. *f jubilant*

Pno. / Cel. *f jubilant*

Vln. I

Vln. II

Vla.

Vc. *mf* *div. (pizz.)*

Cb. *mf*

126                    127                    128                    129

Picc. *f*

Fl. 1,2 *2. f*

Ob. 1,2 *f*

Eng. Hn.

E♭ Cl.

C. Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2 *1,2.* *5* *5*

Hn. 3,4 *3,4.* *5* *5*

Tpt. 1,2

Tpt. 3

Tbn. 1,2 *mf* muted

B. Tbn.

Tba. *f*

Timp.

Mar. *5* *5* *5* *5* *f*

Sm. Sus. Cym.

Xyl. *Bongos.Congoas*  
with hard mallets (or sticks) *f*

Hp.

Pno./Cel. *f cresc.* *5* *5* *5* *5*

Vln. I

Vln. II

Vla.

Vc. *5* *5* *5* *5*

Cb.

130 131 132 133

## How the Solar System Was Won - Full Score (Transposed)

**M**

Picc. *ff* *mf* slithering *f* *mf*

Fl. 1,2 *ff* *mf* slithering *f* *mf*

Ob. 1,2 *ff* slithering

Eng. Hn. *ff*

E♭ Cl. *ff*

Cl. 1,2 *mf* slithering *f* *mf*

Bsn. 1,2 *p*

Cbsn. *f*

Hn. 1,2 *ff* biting

Hn. 3,4 *ff* biting

Tpt. 1,2 *ff* biting

Tpt. 3 *ff* biting

Tbn. 1,2 *ff* biting

B. Tbn. *ff* biting

Tba. *ff* biting

Tim. *ff* biting

Mar. *mf* slithering *f* *mf*

Vibraphone with med-hard mallets

Vib. *mf* slithering *f* *mf*

Bongos and Congas *ff* biting

Hp. *ff*

Pno./Cel. *ff*

**M**

Vln. I

Vln. II

Vla.

Vc. *f*

Cb. *f*

134 135 136 137 138 139

Picc. - *mf* *f* *sub. p* *ff*

Fl. 1,2 - *mf* *f* *sub. p* *ff*

Ob. 1,2 - *mf* *f* *sub. p* *ff*

Eng. Hn. - *mf* *f* *sub. p* *ff*

E♭ Cl. - *mf* *f* *sub. p* *ff*

Cl. 1,2 - *mf* *f* *sub. p* *ff*

Bsn. 1,2 - *mf* *f* *sub. p* *ff*

Cbsn. - *mf* *f* *sub. p* *ff*

Hn. 1,2 - *ff* *sffz* *sffz* *ff* *p*

Hn. 3,4 - *ff* *sffz* *sffz* *ff* *p*

Tpt. 1,2 - *ff* *sffz sffz* *sffz* *ff* *p*

Tpt. 3 - *ff* *sffz sffz* *sffz* *ff* *p*

Tbn. 1,2 - *ff* *sffz* *sffz* *ff* *p*

B. Tbn. - *ff* *sffz* *sffz* *ff* *p*

Tba. - *ff* *sffz* *sffz* *ff* *p*

Tim. - *ff* *sffz* *sffz* *ff* *p*

To T.B.

Mar. - *p*

Vib. - *sffz p cresc. poco a poco* *ff*

Bongos and Congas - *ff* *sffz* *sffz* *ff* *p*

Hp. - *ff raucous*

Pno./Cel. - *sffz p cresc. poco a poco* *ff*

Vln. I - *ff*

Vln. II - *ff*

Vla. - *ff*

Vc. - *ff*

Cb. - *ff*

N

## Racing

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn. *sffz*

Hn. 1,2 *sffz*

Hn. 3,4 *sffz*

Tpt. 1,2 *sffz*

Tpt. 3 *sffz*

Tbn. 1,2 *sffz*

B. Tbn. *sffz*

Tba. *sffz*

Tim. *sffz*

T. B. *ff hectic*  
To Sm. Sus. Cym.

Vib.

Bongos and Congas *ff hectic*

Hp. *gliss.*

Pno./Cel. *sffz*

**N** Racing

Vln. I

Vln. II

Vla.

Vc.

Cb. (snap pizz.) *sffz*

151

152

153

154

## How the Solar System Was Won - Full Score (Transposed)

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Timp.

T. B.

Sm. Sus. Cym.

Bongos and Congas

Hp.

Pno./Cel.

Vln. I

Vln. II

Vla.

Vc.

Cb.

155      156      157      158      159      160

How the Solar System Was Won - Full Score (Transposed)

39

Picc. *ff* *sffz p* *sffz p* *sffz p* *sffz p* *rit.* *ff*

Fl. 1,2 *ff* *sffz p* *sffz p* *sffz p* *sffz p* *ff*

Ob. 1,2 *ff* *sffz p* *f* *sffz p* *f* *ff*

Eng. Hn. *ff* *sffz p* *f* *sffz p* *sffz p* *ff*

E♭ Cl. *ff* *sffz p* *sffz p* *sffz p* *sffz p* *ff*

Cl. 1,2 *ff* *sffz p* *sffz p* *f* *sffz p* *sffz p* *ff*

Bsn. 1,2 *p* *ff* *p* *ff* *p* *ff*

Cbsn. *p* *ff* *p* *ff* *p* *ff*

Hn. 1,2 *sffz p* *sffz p* *sffz p* *ff*

Hn. 3,4 *p* *ff* *sffz p* *p* *ff*

Tpt. 1,2 *bassoon* *sffz* *sffz p* *sffz p* *ff*

Tpt. 3 *sffz* *sffz* *sffz p* *ff*

Tbn. 1,2 *gliss.* *pp* *sffz* *molto*

B. Tbn. *gliss.* *pp* *sffz* *molto*

Tba. *pp* *sffz* *pp* *molto*

Tim. *E♭ to High F* *sffz* *p* *highest note possible on mid. temp.* *gliss.*

T. B. *p* *ff*

Sm. Sus. Cym. *p* *ff*

Bongos and Congas *ff*

Hp. *sffz* *sffz* *sffz* *sffz* *sffz* *ff*

Pno./Cel. *sffz* *sffz* *sffz* *sffz* *sffz* *ff*

Vln. I *sffz p* *ff* *sffz p* *ff* *rit.* *gliss.*

Vln. II *sffz p* *ff* *sffz p* *ff* *gliss.*

Vla. *sffz p* *ff* *sffz p* *ff* *gliss.*

Vc. *sffz* *(snap pizz.)* *pp* *arco* *sffz* *(snap pizz.)* *pp* *arco*

Cb. *sffz* *ff* *ff* *ff* *ff* *ff*

161 162 163 164 165

**O** ♩ = 112, Heavy and grooving

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

Eb Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Timp.

T. B.

Br.D.

Bongos and Congas

Hp.

Pno./Cel.

**O** ♩ = 112, Heavy and grooving

Vln. I

Vln. II

Vla.

Vc.

Cb.

non div.

ff

non div.

ff non div.

ff unis. (non div.)

=ff

mf

mf

f

f

f

f

166

167

168

169

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Timp.

T. B.

Br.D.

Bongos and Congas

Hp.

Pno./Cel.

Vln. I

Vln. II

Vla.

Vc.

Cb.

Picc. *sffz*

Fl. 1,2 *sffz*

Ob. 1,2 *mf* *sffz*

Eng. Hn.

E♭ Cl. *sffz* *mf* *sffz*

Cl. 1,2 *mf* *sffz*

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Timpani

T. B.

Br.D.

Bongos and Congas

Hp. *sffz* *mf*

Pno./Cel. *sffz* *mf* *sffz* *f*

Vln. I *3* *6*

Vln. II *3* *6*

Vla. *3* *6*

Vc. *3* *6*

Cb.



## How the Solar System Was Won - Full Score (Transposed)

**P**

Picc. *ff*

Fl. 1,2 *ff*

Ob. 1,2 *ff*

Eng. Hn. *ff*

Eb Cl. *ff*

Cl. 1,2 *ff*

Bsn. 1,2 *ff*

Cbsn. *ff*

Hn. 1,2

Hn. 3,4 *sfp*

Tpt. 1,2

Tpt. 3

Tbn. 1,2 *ff*

B. Tbn. *ff*

Tba. *ff*

Timp. *ff*

Sus. Cyms. *ff* [Sus. Cyms. with sticks, on the bell]

Br.D. *ff*

Bongos and Congas

Hp.

Pno./Cel. *ff*

**P**

Vln. I *ff*

Vln. II *ff*

Vla. *ff*

Vc. *ff*

Cb. *ff*



## How the Solar System Was Won - Full Score (Transposed)

Picc. *ff*

Fl. 1,2 *ff*

Ob. 1,2 *ff* *a2*

Eng. Hn. *fff*

E♭ Cl. *ff*

Cl. 1,2 *ff*

Bsn. 1,2

Cbsn.

Hn. 1,2 *sfp* *ff*

Hn. 3,4 *sfp* *ff*

Tpt. 1,2 *ff*

Tpt. 3 *ff*

Tbn. 1,2

B. Tbn.

Tba.

Tim.

Sus. Cyms. *as before* *on the edge, l.v.*

Br.D.

Xyl.

Hp.

Pno./Cel.

Vln. I *ff*

Vln. II *sfp* *ff*

Vla.

Vc. *ff*

Cb.

## How the Solar System Was Won - Full Score (Transposed)

Picc.

Fl. 1,2

Ob. 1,2 *sffz*

Eng. Hn.

Eb Cl. *sffz*

Cl. 1,2 *sffz*

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Tim.

Sus. Cyms.

Br.D.

Xyl.

Hp. *ff* *sffz* *ff*

Pno./Cel. *ff* *sffz* *ff*

Vln. I

Vln. II

Vla.

Vc.

Cb.

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Tim.

Sus. Cyms.

Br.D.

Xyl.

(8)

Hp.

Pno./Cel.

Vln. I

Vln. II

Vla.

Vc.

Cb.

189

190

Q

 $\text{♩} = 56, (\text{Half tempo})$ 

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2  
1,2. insert mute

Hn. 3,4  
3,4. insert mute

Tpt. 1,2  
1,2. insert mute (straight)

Tpt. 3  
insert mute (straight)

Tbn. 1,2  
1,2. insert mute (straight)

B. Tbn.  
insert mute (straight)

Tba.

Tim.

Sus. Cyms.  
To Mar.

Br.D.  
To Vib.

Xyl.  
To Cowbells

Hp.

Pno./Cel.  
To Cel.

Vln. I (div.)  
tranquil

Vln. II (div.)  
tranquil

Vla.  
tranquil

Vc.

Cb.

**Marimba**  
with hard mallets

**Vibraphone**  
with hard mallets

**pp**

**Q**  $\text{♩} = 56, (\text{Half tempo})$

*tranquil*

*mf*

3

*tranquil*

*tranquil*

*tranquil*

191      192      193      194

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Tim.

Mar.

Vib.

Xyl.

Hp.

Pno./Cel.

Vln. I (div.)

Vln. II (div.)

Vla.

Vc.

Cb.

195            196            197            198

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

*mf*

Tpt. 3

*mf*

Tbn. 1,2

*mf*

B. Tbn.

*mf*

Tba.

*mf*

Timp.

Mar.

*p*

To T.B.

Temple Blocks

*mp* machine-like

Vib.

Xyl.

Cowbells  
with medium-hard mallets

*mp* machine-like

Hp.

Pno./Cel.

Vln. I (div.)

*3*

Vln. II (div.)

*3*

*mf*

Vla.

Vc.

Cb.

Picc. *mf machine-like*

Fl. 1,2 *mf machine-like*

Ob. 1,2 *mf machine-like*

Eng. Hn.

E♭ Cl. *mf machine-like*

C. 1,2 *mf machine-like*

Bsn. 1,2 *mf machine-like*

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Timpani

T. B. *mp*

Vib.

C-bells *mp*

Hp.

Pno./Cel.

Vln. I (div.)

Vln. II (div.)

Vla. (div.) *mp* *tranquil* *mf*

Vc.

Cb.

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Tim.

T. B.

Vib.

C-bells

Hp.

Pno./Cel.

Vln. I (div.)

Vln. II (div.)

Vla. (div.)

Vc.

Cb.

207      208      209      210

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2

Bsn. 1,2

Cbsn.

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Timpani

T. B.

Vibraphone  
with soft mallets

Vib.

C-bells

Hp.

Celesta

Pno./Cel.

Vln. I (div.)

Vln. II (div.)

Vla. (div.)

Vc. (div.)

Cb.

211

212

213

214

This page shows a section of the full score for 'How the Solar System Was Won'. The score is transposed and includes parts for Picc., Fl. 1,2, Ob. 1,2, Eng. Hn., Eb Cl., Cl. 1,2, Bsn. 1,2, Cbsn., Hn. 1,2, Hn. 3,4, Tpt. 1,2, Tpt. 3, Tbn. 1,2, B. Tbn., Tba., Timp., T. B., Vib., C-bells, Hp., Cel., Vln. I, Vln. II (div.), Vla. (div.), Vc. (div.), and Cb.

The music is divided into four systems, each consisting of four measures. Measures 215 and 216 show mostly rests or sustained notes. Measures 217 and 218 feature more active playing, particularly in the brass and woodwind sections. Measure 217 includes dynamic markings *p*, *Reo.*, and *n*. Measure 218 includes dynamic markings *mp* and *mf*.

**molto rit.**

Picc. -

Fl. 1,2 -

Ob. 1,2 -

Eng. Hn. -

E♭ Cl. -

Cl. 1,2 -

Bsn. 1,2 -

Cbsn. -

Hn. 1,2 -

Hn. 3,4 -

Tpt. 1,2 -

Tpt. 3 -

Tbn. 1,2 -

B. Tbn. -

Tba. -

Tim. -

T. B. -

Vib. -

C-bells -

Hp. - *mp*

Cel. -

**molto rit.**

Vln. I -

Vln. II -

Vla. (div.) -

Vc. (div.) -

Cb. -

**R**  $\text{♩} = 56$

Picc.

Fl. 1,2

Ob. 1,2

Eng. Hn.

E♭ Cl.

Cl. 1,2 *pp*

Bsn. 1,2 *pp*

Cbsn. *pp*

Hn. 1,2

Hn. 3,4

Tpt. 1,2

Tpt. 3

Tbn. 1,2

B. Tbn.

Tba.

Tim. *pp*

T. B.

Vib. *p* *Reo.*

C-bells

Hp.

Cel. *p* *Reo.*

**R**  $\text{♩} = 56$  *gliss. sul E* *con sord.* *15ma* *wispy*

*Repeated harmonic gliss. up and down the E string at a medium-fast pace. Do not synchronize.*

*free bows*

Vln. I *pp* *wispy* *gliss. sul E* *con sord.* *15ma* *wispy*

*Repeated harmonic gliss. up and down the E string at a medium-fast pace. Do not synchronize.*

*free bows*

Vln. II

Vla. (div.) *pp*

Vc. (div.) *pp*

Cb. *pp*

Place cymbal upside-down on middle timpani, tremolo/gliss. between given pitches.

l.v.