

Exoplanet Explorer

Soprano, Alto, Tenor, Bass & Piano
In memory of Dan Weinreb

by David Haines Apr 2011- Sep 2012, commissioned by
Cambridge Science Festival, Massachusetts
based on a conversation with Sara Seager

Sop **Andante** ♩ = 100

The first system of the musical score is for the vocalists and piano. It consists of five staves: Soprano, Alto, Tenor, Bass, and Piano. The key signature is three flats (B-flat, E-flat, A-flat) and the time signature is 3/4. The tempo is marked 'Andante' with a quarter note equal to 100 beats per minute. The vocal parts enter on the sixth measure with the lyrics 'Out there in' (Soprano, Tenor) and 'Out there' (Alto, Bass). The piano accompaniment begins on the first measure with a series of chords. The system ends with a double bar line.

p
Out there in
p
Out there
p
Out there in
p
Out in

The second system of the musical score continues the vocal and piano parts. It consists of five staves: Soprano, Alto, Tenor, Bass, and Piano. The Soprano part begins with a fermata on the seventh measure, indicated by a '7' above the staff. The lyrics for this system are 'space there's a pla - net like Earth.....' (Soprano), 'there's a pla - net Earth.....' (Alto), 'space there's a pla - net pla - net like Earth.....' (Tenor), and 'space a pla - net pla - net like' (Bass). The piano accompaniment continues with chords. The system ends with a double bar line.

7
space there's a pla - net like Earth.....
there's a pla - net Earth.....
space there's a pla - net pla - net like Earth.....
space a pla - net pla - net like

Sop

11

On a ga - lac - tic scale not so ve - ry

On a ga - lac - tic scale not so not so ve - ry

On a ga - lac - tic scale not so ve - ry

Earth.... ga - lac - tic scale not so ve - ry

The piano accompaniment consists of chords in the right hand and single notes in the left hand, following the vocal lines.

Sop

16

far Wa - te - ry, roc - ky, not too big, nor

far Wa - te - ry, roc - ky, not too big, nor

far Wa - te - ry, roc - ky, not too big, nor

far Wa - te - ry, roc - ky, not too big, nor

The piano accompaniment continues with chords in the right hand and single notes in the left hand, supporting the vocal parts.

Sop

21

too small, nor too far from nor too near to its star....

Alto

too small, nor too far from

Ten

too small, nor too far nor too near to its star....

Bass

too small, nor too far from nor too near to its

Sop

25

f

too far from nor too far from nor too near

Alto

f

too far from nor too far from nor too near

Ten

f

star

Bass

f

star

4

Sop 30

p *mp*

We are ex - plo - rers ex -

Alto

p *mp*

to its star We are ex - plo - rers ex -

Ten

p *mp*

to its star, too near star We are ex - plo - rers ex -

Bass

p *mp*

We are ex - plo - rers ex -

Sop 35

plo - ring new worlds or - bi - ting

Alto

plo - ring, ex - plo - ring, ex - plo - ring new worlds

Ten

plo - ring new worlds ex - plo - ring new worlds

Bass

plo - ring new worlds ex - plo - ring or - bi - ting

Sop

39

stars far be - yond our own

stars be - yond our own, far be - yond our

stars far be - yond our own, far be - yond our

stars far be - yond our own

Piano accompaniment for measures 39-42.

Sop *mf*

43

Soon we shall find a pla - net like Earth

own we shall find a pla - net like, pla - net like

own we shall find a pla - net like Earth a

Soon we shall find a pla - net like Earth,

Piano accompaniment for measures 43-46.

Sop

47

But will it prove to be home

Alto

Earth But will it prove to be home, home,

Ten

8 pla - net like But will it prove to be home,

Bass

Earth, But will it prove to be home,

Sop

51

to life?.....

Alto

home to life?..... to be home to life?..... to be

Ten

home to life?..... Life... to

Bass

home be home to home to home to

Sop *f* 55

Alto *f*

Ten *f*

Bass *f*

home to life?..... to be home to life, to

life home to home to life, home to

life, to be home to life, home to life,

Sop *mp* 59 *pp*

Alto *mp* *pp*

Ten *mp* *mp*

Bass *mp* *pp*

life? life? life? life?

How How How do we How

Sop

64

see points in the sky? sky?

Alto

see points in the sky? in the sky? in the

Ten

see these pin - points in the sky?

Bass

see points in the sky? sky?

Sop

68

mp

sky? Far har - der than fin - ding a

Alto

mp

sky? Far har - der than fin - ding a fin - ding a

Ten

mf

Far har - der than fin - ding a nee -

Bass

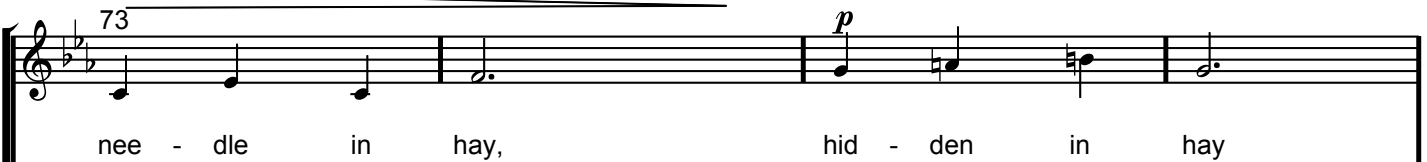
mp

sky? Far har - der than fin - ding a

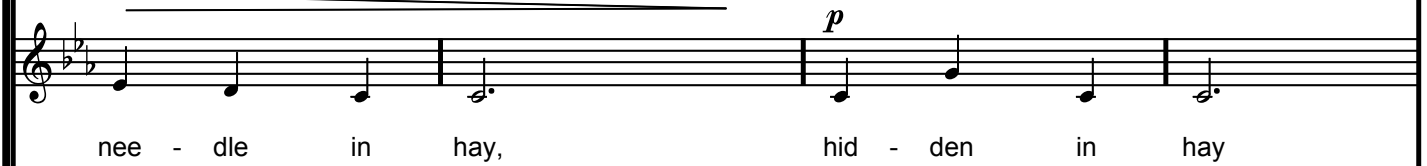
mf

Sop

73



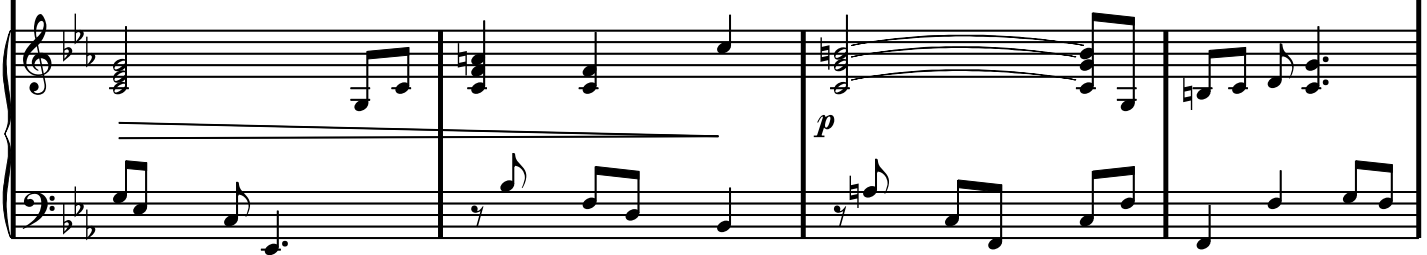
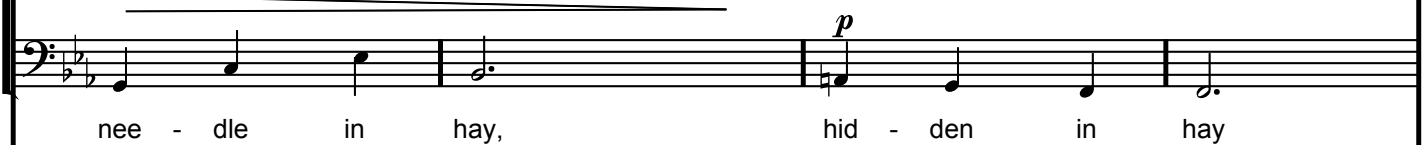
Alto



Ten

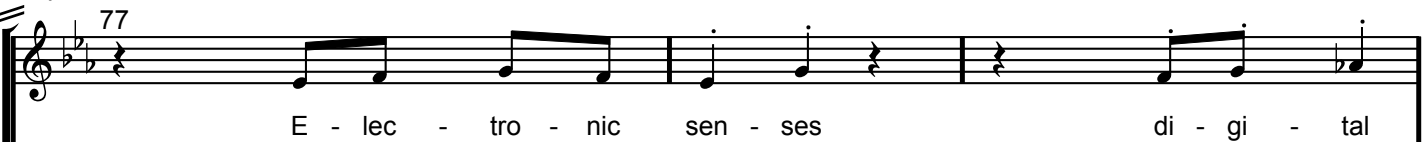


Bass

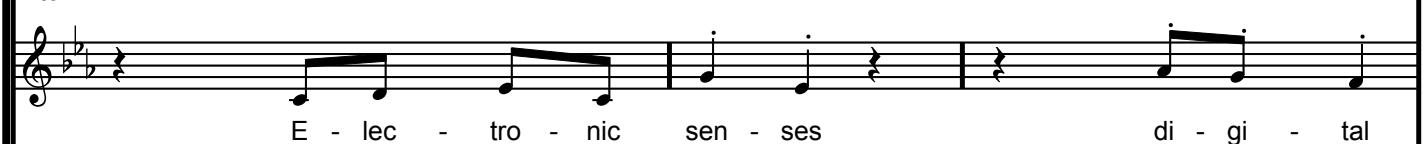


Sop

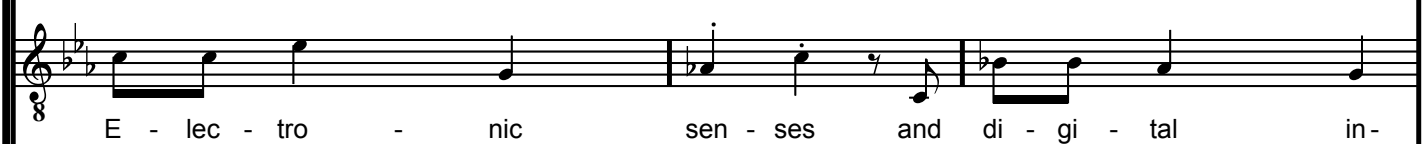
77



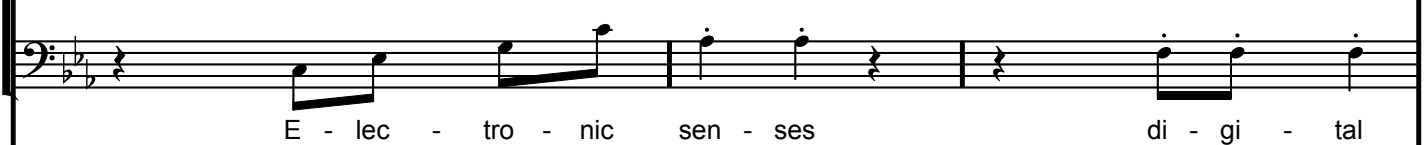
Alto



Ten



Bass



Sop

80



Alto



Ten



Bass

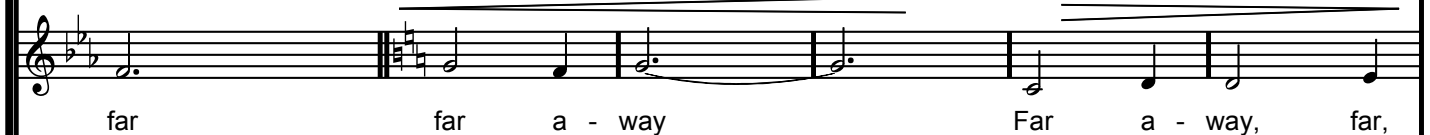


Sop

83



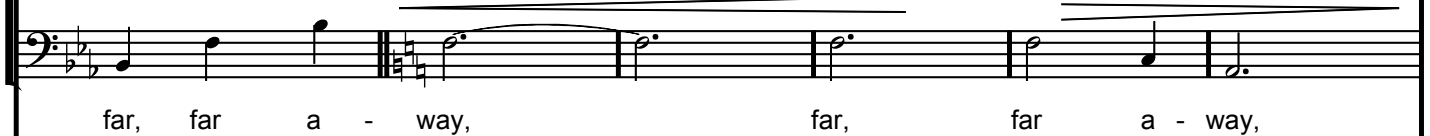
Alto



Ten



Bass



Sop 89 *pp* *p*

Ra - di - al

Alto *pp* *p*

far, far a - way Ra - di - al

Ten *p* *mp*

far a - way... Ra - di - al ve -

Bass *pp* *p*

far, far, a - way Ra - di - al

Sop 93

ve - lo - ci - ty change in star's speed

Alto

ve - lo - ci - ty change in star's speed

Ten

lo - ci - ty spots change in star's speed in its

Bass

ve - lo - ci - ty change in star's speed

Sop

97

In its dance with pla - - nets Dop - pler shift

In its dance with pla - - nets Dop - pler shift

dance with its pla - - nets Dop - pler shift we

In its dance with pla - - nets Dop - pler shift

Sop

100

mf we see Tran - sit Tech - nique sees slight

mf we see Tran - sit tech - nique, slight

mf see Tran - sit tech - nique, slight

mf we see Tran - sit tech - nique, slight

Sop

104

chan - ges in light when

Alto

chan - ges in light, chan - ges light

Ten

chan - ges in light - - - slight - chan - ges in

Bass

chan - - ges - - in - light light

Sop

107

pla - nets pass star it be - comes a

Alto

pla - nets pass star it be - comes less

Ten

Pla - nets pass star it be - comes - - - a -

Bass

Pla - nets pass - star - be - - comes

Sop *p* 110
lit - tle less bright...

Alto *p*
bright When pla - nets pass star the

Ten *p*
lit - tle less bright

Bass *p*
lit - tle less bright, be - comes - - less -

Sop *f* 113
star - be - comes - - less - bright, star be -

Alto *f*
star be comes star - be -

Ten *f*
Star be comes star - be -

Bass *f*
bright When pla - nets pass star the -

Sop 116 *p*

Alto *p*

Ten *p*

Bass *p*

comes less bright, less bright

comes - - - less - bright -, less bright

star - be - comes - - - less bright

p

Sop 119 *mf*

Alto *mf*

Ten *mf*

Bass *mf*

with di - rect

with di - rect

with di - rect

with di - rect

mf

Sop

124

i - ma - ging snap pla - nets a - round
 i - ma - ging snap pla - nets a - round - -
 i - ma - ging snap pla - nets a - round
 i - ma - ging snap pla - nets a - round stars

Sop

127

stars by bloc - king star - light so
 stars, block ing star - light so
 stars block - ing star - light,
 By block - ing star - light, block - ing light

Sop

129

pla - nets are found Gra - vi -

Alto

pla - nets are found - Gra - vi - ta - tio - nal mi -

Ten

pla - nets are found, gra - vi - ta - tion - al mi - cro -

Bass

pla - nets are found

Sop

132

ta - tio nal mi - cro - len - sing,

Alto

cro - len - sing, as - tro - me -

Ten

len - sing, as - tro - me -

Bass

Gra - vi - ta - tion - al mic - ro - len - sing

Sop

134

as - tro - me - try

try, - as - tro - - met - ry

try, - as - tro - me - try -, as - - tro - me - try

as - - tro - - me - - try

as - - tro - - me - - try

Sop

137

Two more ways these e - xo -

Two more ways these e - xo -

Two more ways these e - xo -

Two more ways - these - e - - xo - -

Sop 139 *p*
 pla - nets may be seen...

Alto *p*
 pla - nets may be seen, two more

Ten *p*
 pla - - - nets - may - be seen

Bass *p*
 pla - nets may - be seen, two

Sop 142
 ways these e - xo - pla -

Alto
 ways these e - xo - pla -

Ten
 Two more

Bass
 more - ways - these - e - xo -

Sop *f* 144

Alto *f*

Ten *f*

Bass *f*

nets - may - - be seen, e - - xo -

ways e - - xo -

pla - - nets, these e - - xo - - pla - - nets

Sop *p* 146

Alto *p*

Ten *p*

Bass *p*

pla - - nets may be seen

pla - - - nets may - be seen

may be seen, may - - - be seen

Sop 150

pp

Out there in space there's a

Alto

pp

Out there there's a

Ten

pp

Out there in space there's a

Bass

pp

Out in space a

Sop 155

pla - net like Earth..... On a ga -

Alto

pla - net Earth..... On a ga -

Ten

pla - net pla - net like Earth..... On a ga -

Bass

pla - net pla - net like Earth..... ga -

Sop 159

lac - tic scale not so ve - ry far

Alto

lac - tic scale not so not so ve - ry far

Ten

lac - tic scale not so ve - ry far

Bass

lac - tic scale not so ve - ry far

The musical score is for a vocal ensemble and piano. The vocal parts (Soprano, Alto, Tenor, Bass) are written in treble clef with a key signature of one sharp (F#). The piano accompaniment is written in grand staff (treble and bass clefs) with a key signature of one sharp. The lyrics are 'lac - tic scale not so ve - ry far'. The piano part consists of chords in the right hand and single notes in the left hand. The score is divided into measures by vertical bar lines. The vocal parts have lyrics written below the notes. The piano part has a treble clef and a bass clef. The key signature is one sharp (F#). The time signature is not explicitly shown but appears to be 4/4 based on the note values. The score is for a vocal ensemble and piano. The vocal parts are Soprano, Alto, Tenor, and Bass. The piano part is for a piano. The lyrics are 'lac - tic scale not so ve - ry far'. The piano part consists of chords in the right hand and single notes in the left hand. The score is divided into measures by vertical bar lines. The vocal parts have lyrics written below the notes. The piano part has a treble clef and a bass clef. The key signature is one sharp (F#). The time signature is not explicitly shown but appears to be 4/4 based on the note values.