

# Alpha Centauri

for horn, trombone and microtonal tuba

Alternate breathing when necessary. Do not use circular breathing.

Robin Hayward (2017/18)

The score is written for three instruments: Horn (Hn.), Trombone (Tbn.), and Microtonal Tuba (Tba.). It consists of four systems of staves. The first system shows the initial entry with dynamics *pmf* for the horn and *p* for the tuba. The second system continues the piece with dynamics *p* and *mf*. The third system features a *mf* dynamic. The fourth system concludes with dynamics *ff*, *f*, *mp*, and *p*. The score includes various microtonal adjustments indicated by numbers (e.g., +37, -10, +41, 10, 12, -49, -11, +46, 20, +37, +49, +2, +49, +46, 20, +37, +46, +37, +46, +39, +37, +43, +41, +30, +41, +5, +30, +30, +4, 12, +0, +4, +44, +20, +42, 8, +4, 20, +4, 20, +41, +41, +30, +2, +0, +41, +41, +31) and fingerings (e.g., 2810, 2660, 2950, 2780, 3000, 2950). The key signature is one flat (B-flat). The score is annotated with performance instructions such as 'Alternate breathing when necessary. Do not use circular breathing.' and dynamic markings like *pmf*, *p*, *mf*, *mp*, *ff*, *f*, and *mf*.

Microtonal notation system for a three-staff instrument. The top staff has a clef and a key signature of two flats. The second and third staves also have clefs and a key signature of two flats. The notation includes notes with microtonal adjustments (indicated by numbers above and below note heads) and dynamic markings like *mp* and *p*. Colored arrows (blue, orange, purple) point from note heads to the staff lines, indicating harmonic positions. Numbers like *12*, *19*, *8*, and *20* are placed near the staves. Fingerings are indicated by numbers 4, 6, and 8. The bottom staff contains chord diagrams (fingerings) for various notes: 28980, 35480, 28980, 28980, 27180, 28480.

Microtonal notation system for a three-staff instrument. The top staff has a clef and a key signature of one flat. The second and third staves also have clefs and a key signature of one flat. The notation includes notes with microtonal adjustments (indicated by numbers above and below note heads) and dynamic markings like *mf*. Colored arrows point from note heads to the staff lines. Numbers like *-17*, *-19*, *-21*, *-6*, *-8*, *-10*, *-6*, *-10*, *-6*, *-10*, *-9*, *-10*, and *-6* are placed below the notes. Fingerings are indicated by numbers 4 and 6. The bottom staff contains chord diagrams for notes: 29180, 29180, 27380, 28680, 25880, 28680, 25880, 28680, 25880, 32580, 25880, 34480.

Microtonal notation system for a three-staff instrument. The top staff has a clef and a key signature of one flat. The second and third staves also have clefs and a key signature of one flat. The notation includes notes with microtonal adjustments (indicated by numbers above and below note heads) and dynamic markings like *p* and *f*. Colored arrows point from note heads to the staff lines. Numbers like *-10*, *-9*, *-10*, *-6*, *-10*, and *-8* are placed below the notes. A section of the third staff is marked with the text "Like a message from a distant planet..." and contains notes with microtonal adjustments *+34*, *+34*, and *+19*. A crescendo symbol is used before this section. The bottom staff contains chord diagrams for notes: 25880, 43380, 25880, 45880, 25880.

Microtonal notation system for a three-staff instrument. The top staff has a clef and a key signature of one flat. The second and third staves also have clefs and a key signature of one flat. The notation includes notes with microtonal adjustments (indicated by numbers above and below note heads) and dynamic markings like *p*. Colored arrows point from note heads to the staff lines. Numbers like *+27*, *+34*, *+19*, *+27*, *+19*, *+19*, *+19*, *+27*, *+19*, *+19*, *+27*, and *+19* are placed above the notes. Numbers like *-27*, *-16*, *-27*, *-27*, and *-27* are placed below the notes. The bottom staff contains chord diagrams for notes: 25880.

Microtonal SoundGrape notation based on Hayward Tuning Vine software interface (www.tuningvine.com). Coloured arrows after note heads indicate harmonic position within tuning vine; numbers above and below note heads indicate cents deviations from tempered pitch. Numbers in italics indicate approximate durations in seconds. All parts are notated in C.