

Stratus-embedded waves moving against mean flow

Brooks Frederickson

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- Instrumentation -

Flute 1
Flute 2
Clarinet 1 (Bb and Bass Clarinet)
Clarinet 2 (Bb and Bass Clarinet)
Percussion 1 (Glockenspiel, Woodblock)
Percussion 2 (Vibraphone)
Percussion 3 (Drumset (Snare, Kick, two Toms, Ride, Hi-Hat))
Percussion 4 (Marimba, Woodblock, Tambourine (plastic, rock style))
Piano
Synthesizer (patch provided by composer)
Live Electronics (provided and performed by composer)
Soprano
Mezzo-soprano
Violin 1
Violin 2
Viola
Cello

- Performance Notes -

All instruments are to be amplified. The singer's microphones are processed through the composer's computer. The indications R→T in the singers part refers to "Rest" and "Tilt" for their iPads. The angle of the iPads controls the amount of effects applied to their voices. The "Live Electronics" part is still being worked out and will be finalized in rehearsals.

Players are to play with little to no vibrato.

To view Stratus-embedded waves moving against mean flow, visit:
<https://bit.ly/2Lk2TaY>

Commissioned for the 2018 Bang on a Can Summer Music Festival at MASS MoCA
by Elizabeth and Justus Schlichting

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$\text{♩} = 86$ Unrushed yet regular

Flute 1

Flute 2

Clarinet in B \flat 1

Clarinet in B \flat 2

Percussion 1

Percussion 2
Vibraphone
medium-hard yarn mallet

Percussion 3

Percussion 4

Piano

Synthesizer

Live Electronics
Brooks

Soprano

Mezzo-soprano

Violin 1

Violin 2

Viola

Violoncello

1 2 3 4 5 6 7 8 9

pp

Stratus-embedded waves moving against mean flow - Brooks Frederickson - Full Score

Fl. 1 *pp*

Fl. 2 *pp*

Cl. 1 *pp* *p*

Cl. 2 *pp* *p*

Perc. 1 *pp* *p*
Glockenspiel
plastic mallets

Perc. 2 *pp* *p*

Perc. 3

Perc. 4

Pno.

Synth.

Elect. *Saw Synth (#78)*

S. *p* ah R

M-S. *p* ah R

Vln. 1

Vln. 2 *pp* *p*

Vla. *pp* *p*

Vc. *p*

10 11 12 13 14 15 16 17 18

Stratus-embedded waves moving against mean flow - Brooks Frederickson - Full Score

Fl. 1

Fl. 2

Cl. 1

Cl. 2

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Synth.

Elect.

S.

M-S.

Vln. 1

Vln. 2

Vla.

Vc.

mp

mp

mp

mp

brass mallets

mp

Marimba

mp

sim.

mf

mf

sim.

Fl. 1 *mp*

Fl. 2 *pp*

Cl. 1 *p*

Cl. 2 *p*

Perc. 1 *mp*

Perc. 2

Perc. 3 *p*

Perc. 4 *p*

Pno. *p*
driving, like a bass player

Synth. *p*

Elect.

S.

M-S.

Vln. 1 *p*

Vln. 2 *p*
slightly delayed from vln 1

Vla. *p*

Vc. *p*

Stratus-embedded waves moving against mean flow - Brooks Frederickson - Full Score

Fl. 1

Fl. 2

Cl. 1

Cl. 2

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Synth.

Elect.

S.

M-S.

Vln. 1

Vln. 2

Vla.

Vc.

mp

mf

37 38 39 40 41

Stratus-embedded waves moving against mean flow - Brooks Frederickson - Full Score

B ♩=82, Freely, with space

Fl. 1 *f*

Fl. 2 *f*

Cl. 1 *f* To B. Cl.

Cl. 2 *f* To B. Cl.

Bass Clarinet in B \flat *pp*

Bass Clarinet in B \flat *pp*

Perc. 1 *mf*

Perc. 2 *mf* arco

Perc. 3 *f* *mp*

Perc. 4

Pno. *f* *mp*

Synth. *f*

Elect.

S. *p* ah

M-S. *p* ah

Vln. 1 *f*

Vln. 2 *f*

Vla. *f* *p*

Vc. *f*

42 43 44 45 46 47 48 49 50

Stratus-embedded waves moving against mean flow - Brooks Frederickson - Full Score

The musical score is arranged in a standard orchestral format. The instruments and their parts are as follows:

- Fl. 1:** Flute 1, starting with a *pp* dynamic in measure 58.
- Fl. 2:** Flute 2, starting with a *pp* dynamic in measure 58 and a *p* dynamic in measure 62.
- B. Cl.:** Bass Clarinet, with dynamics ranging from *pp* to *p* and accents.
- Perc. 1-4:** Four percussion parts, mostly containing rests.
- Pno.:** Piano, with rests throughout.
- Synth.:** Synthesizer, with rests throughout.
- Elect.:** Electric Guitar, featuring a melodic line with *R* (Rhythm) and *T* (Tone) markings.
- S.:** Saxophone, featuring a melodic line with *ah* breath marks and *R* and *T* markings.
- M-S.:** Mouthpiece Saxophone, featuring a melodic line with *ah* breath marks.
- Vln. 1-2:** Violins 1 and 2, with rests throughout.
- Vla.:** Viola, with a melodic line.
- Vc.:** Violoncello, with rests throughout.

Stratus-embedded waves moving against mean flow - Brooks Frederickson - Full Score

C ♩=86, Driving, starting to build momentum

Fl. 1
Fl. 2
B. Cl.
B. Cl.
Perc. 1
Perc. 2
Perc. 3
Perc. 4
Pno.
Synth.
Elect.
S.
M-S.

pp
pp
p
p
mf
p
p
p
p
ah
ah
ah
ah
ah

percussive, supporting the kick drum
Bring out kick
percussive, supporting the kick drum

R → T

C ♩=86, Driving, starting to build momentum

Vln. 1
Vln. 2
Vla.
Vc.

p
p
p

sul tasto
sul tasto
sul tasto

Stratus-embedded waves moving against mean flow - Brooks Frederickson - Full Score

Fl. 1 *mp*

Fl. 2 *mp*

B. Cl. *mf* percussive, supporting the kick drum *p* *mp* *mf*

B. Cl. *p* *mf* *mp*

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Synth.

Elect.

S. *mp* *mf* *mp* ah

M-S. *mp* *mf* *mp* ah

Vln. 1

Vln. 2

Vla. *p* sul tasto

Vc.

Stratus-embedded waves moving against mean flow - Brooks Frederickson - Full Score

Fl. 1

Fl. 2

B. Cl.

B. Cl.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Synth.

Elect.

S.

M-S.

Vln. 1

Vln. 2

Vla.

Vc.

lyrical

mp

lyrical

mp

mp

mf

mf

mp

medium hard yarn mallets

mp

R → T

R → T

ah

R → T

ah

ord.

ord.

mp

81

82

83

84

85

D Broad, opening up

Fl. 1 *mf*

Fl. 2 *mf*

B. Cl. To Cl. *mf* Clarinet in B \flat

B. Cl. To Cl. *mf*

Perc. 1 *mf*

Perc. 2 *mf*

Perc. 3

Perc. 4 *mp*

Pno. *mf*

Synth.

Elect.

S. R → T

M-S. R → T

Vln. 1 *mf*

Vln. 2 *mf*

Vla. *mf*

Vc.

91 92 93 94

Stratus-embedded waves moving against mean flow - Brooks Frederickson - Full Score

Fl. 1

Fl. 2

Cl.

B. Cl.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Synth.

Elect.

S.

M-S.

Vln. 1

Vln. 2

Vla.

Vc.

ah ah ah

ah ah

Fl. 1 *mf*

Fl. 2 *pp*

Cl. *p*

B. Cl. *p*

Perc. 1 *mf*

Perc. 2 *p* no pedal

Perc. 3 *p*

Perc. 4

Pno. *p*

Synth. *p*

Elect.

S. ah ah ah ah ah

M-S. ah ah ah ah ah

Vln. 1 *p* Beginning to narrow its energy

Vln. 2 *p* slightly delayed from vln 1

Vla. *mp*

Vc. *p*

Stratus-embedded waves moving against mean flow - Brooks Frederickson - Full Score

Fl. 1

Fl. 2

Cl.

B. Cl. *to B Cl.*

Perc. 1 *To Glock. To Perc.*

Perc. 2

Perc. 3 *pp*

Perc. 4 *mp*

Pno. *mf*

Synth. *mp*

Elect.

S.

M-S.

Vln. 1 *mp*

Vln. 2 *mp*

Vla. *mf*

Vc. *mp*

E Beginning to build

E Beginning to build

E Beginning to build

Woodblock

mp

pp

mf

mp

mf

mp

mf

mp

Fl. 1

Fl. 2

Cl.

B. Cl. To Cl.

Perc.

Perc. 2

Perc. 3

Perc. 4

Pno.

Synth. *mf*

Elect.

S.

M-S.

Vln. 1 *mf*

Vln. 2 *mf*

Vla. *mf*

Vc.

Stratus-embedded waves moving against mean flow - Brooks Frederickson - Full Score

Fl. 1 *mp* *mf*

Fl. 2 *mp* *mf*

Cl. *mp* *mf*

Cl. Clarinet in B \flat *mp* *mf*

Glock. Glockenspiel *mp*

Perc. 2

Perc. 3

Perc. 4 Woodblock and Tambourine

Pno. *p*

Synth. *mp* *mf*

Elect.

S. *mp* *mf*

M-S. *mp* *mf*

Vln. 1 *mp* *mf*

Vln. 2 *mp* *mf*

Vla. *p*

Vc. *mp* *mf*

Stratus-embedded waves moving against mean flow - Brooks Frederickson - Full Score

The musical score is arranged in a standard orchestral format. The top section includes woodwinds (Flute 1 & 2, Clarinet 1 & 2), Glockenspiel, and Percussion (2, 3, 4). The middle section features Piano and Synthesizer. The bottom section includes Electric guitar, Saxophone, Mellophone, Violin 1 & 2, Viola, and Violoncello. The score is divided into measures 113, 114, 115, and 116. Dynamics such as *mp* and *p* are indicated throughout. The score is written in a key signature of one sharp (F#) and a 4/4 time signature.

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F Release of energy Sudden cut off

Fl. 1 *f* *ff*

Fl. 2 *f* *ff*

Cl. *f* *ff*

Cl. *f* *ff*

Glock. *f* *ff*

Perc. 2 *f* *ff*

Perc. 3 *f* *ff*

Perc. 4 Marimba *f* *ff*

Pno. *f* *ff*

Synth. *f* *ff*

Elect. *f* *ff*

S. *f* ah ah ah ah ah ah ah ah ah ah ah

M-S. *f* ah ah ah ah ah ah ah ah ah ah ah

F Release of energy Sudden cut off

Vln. 1 *f* *ff*

Vln. 2 *f* *ff*

Vla. *f* *ff*

Vc. *f* *ff*

117 118 119 120 121 122 123