

O Ritual Da Sombra

for solo recorder and live electronics

GILBERTO AGOSTINHO

(2015)

General Information

O Ritual Da Sombra is an algorithmic work for solo recorder and live electronics. Since it is generated by a computer program that uses random numbers, a different version of this work is output at each execution. Thus, it is recommended that the performer generate a new version for each concert. Also, the performers may play more than one single version on a same concert.

Durata: averagely 12'

General Performance Notes

Although this work is written for a tenor recorder, it may be performed on other recorders. The used range is C4-B5, and therefore needs to be transposed according to the instrument size.

Since this work makes use of live electronics, the recorder must be amplified with a single microphone (possibly positioned in the body of the instrument) and this signal has to be received by the Pure Data patch.

The live electronics should be controlled by the player himself using a MIDI pedal. The moment of activation are always during the half-note rests with fermati.

The live electronics should be output by two speakers in the stage, one to the left and one to the right of the performer. Care should be taken that the microphone in the recorder does not pick up the music coming from these two speakers.

Although this work contains no markings for dynamics, the performer may create small volume nuances according to his/hers interpretation of the musical phrases (i.e. *espressivo*).

All accidentals in this score are notated as sharp.

Generating a unique version

In order to generate a unique version of this work, it is necessary to have the four following programs installed on a Linux or Windows computer:

- The programs `ritual.out` (for Linux) or `ritual.EXE` (for Windows), which can be freely obtained by sending a request message to the address gilberto.agostinho.f@gmail.com
- LilyPond, which can be downloaded at www.lilypond.org

To generate a score, simply execute the file `ritual.out` or `ritual.EXE` (depending on your OS) and wait until a score is automatically generated as a pdf file, together with a LilyPond file (`.ly`), a MIDI file (`.midi`) and a file named `datafile.txt` which has to be used by the Pure Data patch in order to produce the live electronic part. To generate a new score, simply run the executable file once again.

IMPORTANT NOTE: after generating a score, another execution of `ritual.out` or `ritual.EXE` will result in the loss of all previously generated files (they will all be overwritten)! If you wish to keep a particular version of this composition, please copy all its files to a safe location.

Using the Pure Data patch

Every generated version of this work will have a file named `datafile.txt` (which is unique to each version). Below are the actions (in order) that have to be taken in order for the Pure Data patch to work:

- Make sure that the microphone input and the two stereo loudspeakers output are properly configured
- Turn on the DSP toggle
- Set the Master Volume slider to a reasonable level
- Test that the recorder is now being amplified
- Click on the button “Load datafile” and select the file `datafile.txt` of the version you intend to perform
- Configure the MIDI pedal by setting its controller and channel numbers
- Test the MIDI pedal: stepping on it should now move the “Event No.” counter forwards
- Click on the “Reset” button to bring the counter back to the initial value

O Ritual Da Sombra

Gilberto Agostinho

$\text{♩} = 216$

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

This musical score consists of ten staves of music, each containing measures 17 through 34. The notation is in a single melodic line on a five-line staff. The key signature has one sharp (F#), and the time signature is 2/4. The music features a variety of note values, including eighth, quarter, and half notes, as well as rests. Many measures contain accidentals (sharps and naturals). Circled measure numbers (17-34) are placed below the staff with arrows pointing to the first note of the measure. Some measures include fingering numbers (3, 5) above the notes. The score concludes with a final five-measure phrase in measure 34.

17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

This page contains ten staves of musical notation, likely for guitar, with measures numbered 35 through 54. The notation includes various musical symbols such as notes, rests, accidentals, and articulation marks. Some measures contain triplets or quintuplets, indicated by '3' or '5' over the notes.

Measures 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, and 54 are marked with circled numbers and arrows pointing to specific notes or rests.

This page contains ten staves of musical notation, likely for guitar, featuring various techniques and measure numbers. The notation includes treble clefs, key signatures with one sharp (F#), and various note values and rests. Measure numbers are indicated in circles with arrows pointing to specific notes:

- Staff 1: Measures 55, 56, 57.
- Staff 2: Measures 58, 59, 60.
- Staff 3: Measures 61, 62, 63.
- Staff 4: Measures 64, 65, 66.
- Staff 5: Measures 67, 68.
- Staff 6: Measures 69, 70, 71.
- Staff 7: Measure 72.

Technical markings include quintuplets (5), triplets (3), and slurs over groups of notes.

This page contains ten staves of musical notation, likely for guitar, with measures numbered 73 through 89. The notation includes various musical symbols such as notes, rests, accidentals, and fingerings (3, 5). The measures are arranged in a continuous sequence across the staves.

Measures 73-74: Staff 1. Measure 73 has a circled number 73 below it. Measure 74 has a circled number 74 below it.

Measures 75-76: Staff 2. Measure 75 has a circled number 75 below it. Measure 76 has a circled number 76 below it.

Measures 77-78: Staff 3. Measure 77 has a circled number 77 below it. Measure 78 has a circled number 78 below it.

Measures 79-80: Staff 4. Measure 79 has a circled number 79 below it. Measure 80 has a circled number 80 below it.

Measures 81-82: Staff 5. Measure 81 has a circled number 81 below it. Measure 82 has a circled number 82 below it.

Measures 83-84: Staff 6. Measure 83 has a circled number 83 below it. Measure 84 has a circled number 84 below it.

Measures 85-86: Staff 7. Measure 85 has a circled number 85 below it. Measure 86 has a circled number 86 below it.

Measures 87-88: Staff 8. Measure 87 has a circled number 87 below it. Measure 88 has a circled number 88 below it.

Measures 89: Staff 9. Measure 89 has a circled number 89 below it.

A musical score for a single melodic line, spanning measures 90 to 100. The notation is in treble clef with a key signature of one sharp (F#). The score consists of six staves of music. Measures 90 and 91 feature a five-measure rest, with a circled number 5 below the staff. Measures 92 and 93 feature a five-measure rest, with a circled number 5 below the staff. Measures 94 and 95 feature a five-measure rest, with a circled number 5 below the staff. Measures 96 and 97 feature a five-measure rest, with a circled number 5 below the staff. Measures 98 and 99 feature a five-measure rest, with a circled number 5 below the staff. Measure 100 features a five-measure rest, with a circled number 5 below the staff. The score includes various musical notations such as eighth notes, quarter notes, half notes, and rests, as well as dynamic markings like *mf* and *f*. The piece concludes with a double bar line and a circled asterisk (*) in measure 100.

*) Wait until the electronic sounds completely fade out.