

## Notes on the vocalizations of Chiguanco Thrush (*Turdus chiguanco*)

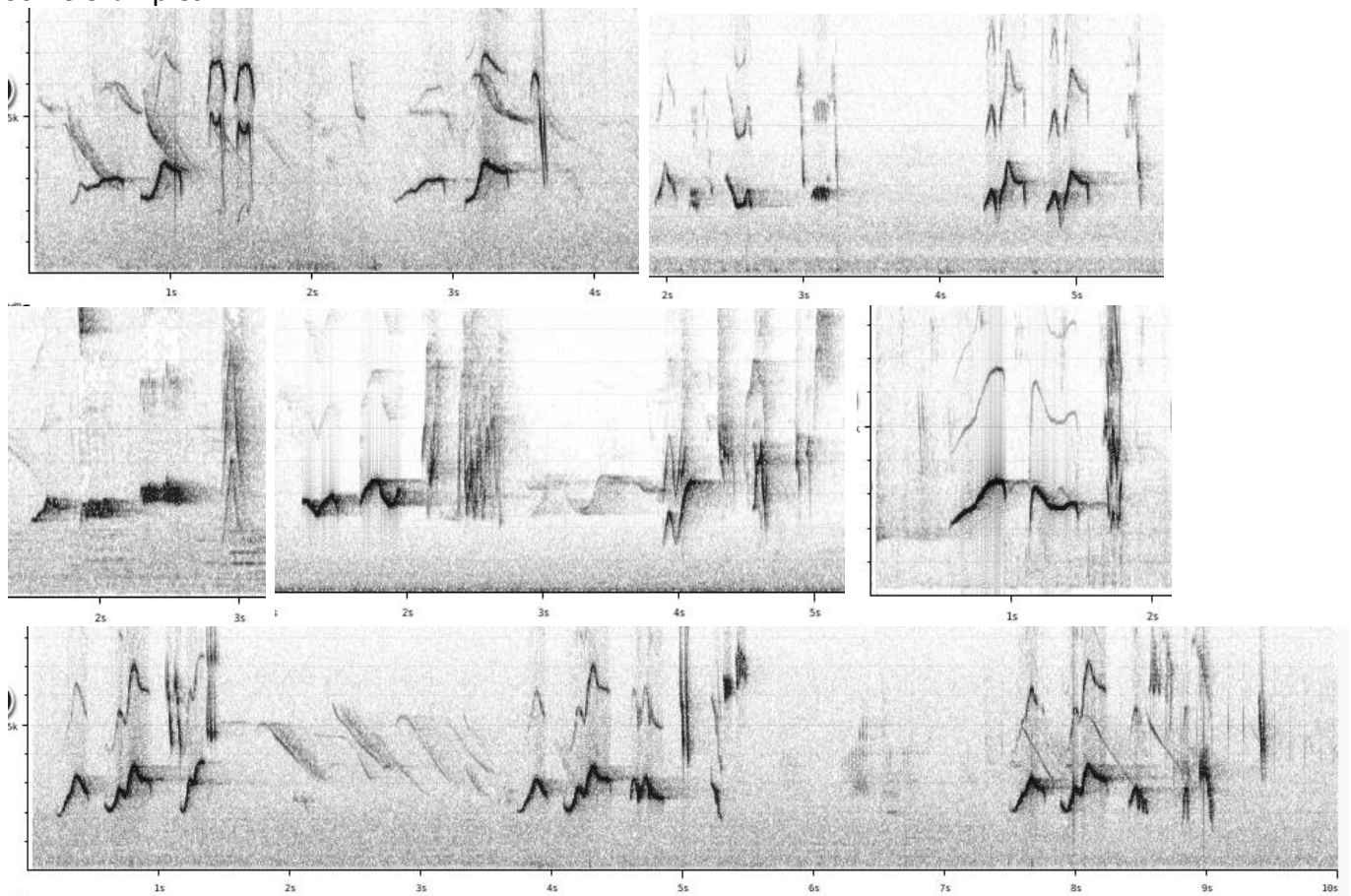
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In the following we briefly analyze and compare voice of the three races of Chiguanco Thrush (*Turdus chiguanco*). We also try to quantify the extent of any vocal differences using the criteria proposed by Tobias *et al.* (2010), as a support for taxonomic review.

We have made use of sound recordings available on-line from Xeno Canto (XC).

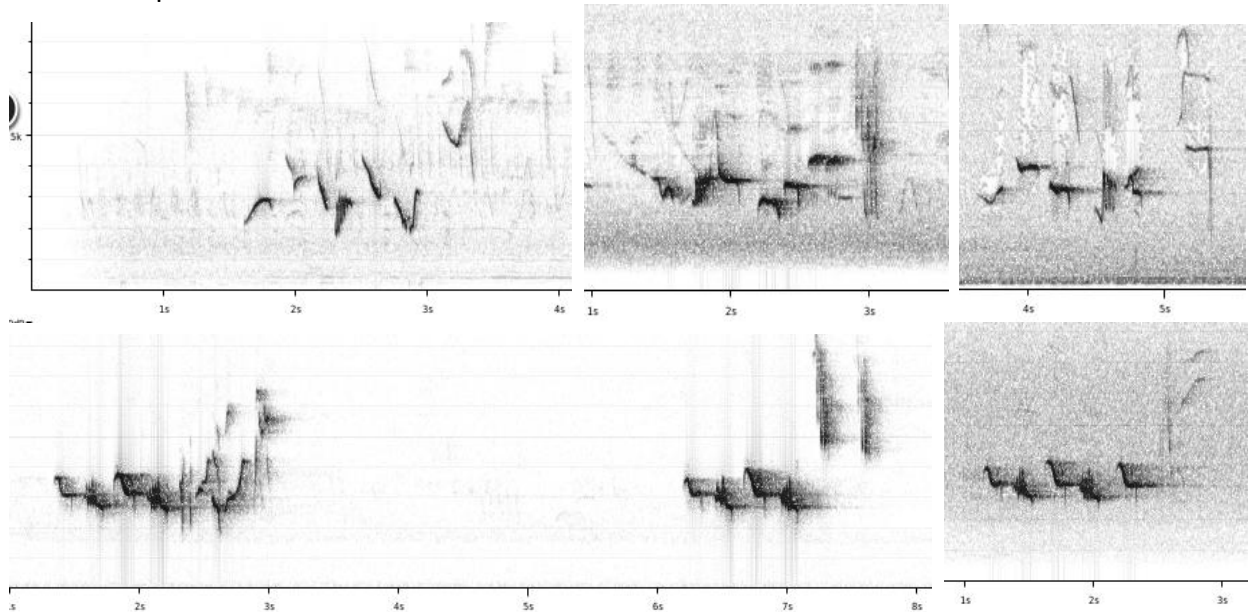
*chiguanco/conradi* has a song which typically consists of 2-3 fairly melodious notes followed by one or a few higher-pitched squeaky notes. The 2-3 notes are not identical but show a similar shape. As an overall result, the phrase usually sounds very simple.

Some examples:



*anthracinus* has a song which typically consists of 4-7 melodious notes (harmonics less visible than in previous group, thus sounding purer) followed by one or a few higher-pitched squeaky notes. The 4-7 notes are not identical but show a similar shape. Notes are slightly shorter and given at a more rapid pace than previous group (typically c. 4 notes/s vs. 2 notes/s). Notes often go alternating up and down in pitch. As an overall result, the phrase usually sounds much more melodious and more complex than previous group.

Some examples:



Occasionally a single phrase of either group may be difficult to assign to the correct group, but when looking at several phrases of a song, the identification is always feasible.

Vocal differences are thus quite obvious, and can be quantified as follows: *anthracinus* has more whistled notes in a song phrase (score 2), notes are shorter in duration (score 1-2) and are given at a higher pace (score 2). When applying Tobias criteria, this would lead to a total vocal score of about 3-4.

We haven't analyzed call notes, of which there are quite some different types. Additional differences may be found here.

This note was finalized on 19th April 2016, using sound recordings available on-line at that moment. We would like to thank in particular the sound recordists who placed their recordings of song for this species on XC: Israel Aragon, Peter Boesman, Oswaldo Cortes, Carlos Ferrari, Manuel Grosselet, Niels Krabbe, Frank Lambert, Bernabe Lopez-Lanus, Aidan Maccormick, Sjoerd Mayer, Leonardo Ordoñez-Delgado, Andrew Spencer, Joseph Tobias and Willem-Pier Vellinga.

### References

Tobias, J.A., Seddon, N., Spottiswoode, C.N., Pilgrim, J.D., Fishpool, L.D.C. & Collar, N.J. (2010). Quantitative criteria for species delimitation. *Ibis* 152(4): 724–746.

### Recommended citation

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