Notes on the vocalizations of Opal-rumped Tanager (*Tangara velia*)

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In the following we briefly analyze and compare voice of the different races of Opal-rumped Tanager (*Tangara velia*). 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).

Our main interest is to compare the disjunct and distinctive race *cyanomelas* with other races. A comparison of vocalizations, illustrated with sonograms:

cyanomelas

Calls include high-pitched "see" notes and lower-pitched symmetrically overslurred "chup" notes in short bursts or series (a true song has probably not yet been documented, or may simply consist of combinations of the aforementioned two note types):

Other races:

Calls seem to also consist of the two note types mentioned above:

Based on the relatively few available recordings, it would seem that vocalizations are very similar, all basic sound parameters being largely the same, and even note shapes are about identical.

We can thus conclude that *cyanomelas* apparently does not differ in voice from other races.

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References

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