2. ROUND VOWEL HARMONY AND COARTICULATION IN PROTOTYPICAL CONTEXTS

2.1. Borriana variety

- Environment /á+/a/:
  - Unstressed /a/ significantly open and backed compared to its stressed counterpart.
  - Environment /ó+/a/:

2.2. Nules variety

- Environment /á+/a/:
  - Non-significant differences in F1 and F2 between both vowels.
  - Environment /ó+/a/:
    - Unstressed /a/ F1 value is not significantly different from stressed /ó/ nor from unstressed /a/ in the context /á+/a/.
    - Unstressed /a/ F2 value, intermediate between that of stressed /ó/ and that of unstressed /a/ in the context /á+/a/, is significantly different from the F2 value of the last two vowels.

3. FRONT VOWEL HARMONY AND COARTICULATION

- Neither in Borriana nor in Nules is there a fronting of /a/ in the context /á+/a/ comparable with the rounding of /a/ in the context /ó+/a/.

4. ROUND VOWEL HARMONY AND COARTICULATION IN NON-PROTOTYPICAL CONTEXTS

- Across vowels, that is, in the environment /ó+/V+/a/ (catolica), neither of the varieties displays significant assimilatory effects stemming from /ó/.

5. CONCLUDING REMARKS

- In the prototypical harmonic context /ó+/a/ both varieties display different degrees of assimilation: partial (Nules) and total (Borriana).
- In contrast, in the other prototypical harmonic context, /ó+/a/, there are only changes in the F1 values of the last vowel, which do not significantly differ from /ó/ in any variety.

- Considering all the contexts together, there seems to be a gradation in the interaction between the stressed and the final vowel:
  1. No remarkable changes in the final vowel: context /ó+/a+/a/ (Nules)
  2. Leveling /ó+/a/ of F1 without significant changes in F2: context /ó+/a+/a/, among others (Nules & Borriana)
  3. Leveling of F1 with a partial leveling of F2: context /ó+/a+/a/ (Nules)
  4. Leveling of F1 and F2: context /ó+/a/ (Borriana)

- Open issue: Do these four stages constitute a diachronic chain or are they completely independent from each other?

6. REFERENCES