

# Liens List for the OSIRIS-REx Simulated Shape Models

## Text in the entire bundle:

1. Fix typos throughout the entire bundle (see individual reviews for specifics).
2. If acronyms are used, define them the first time they are used.
3. Be consistent with the terminology throughout the entire bundle (in the description as well as the labels) about the two types of models (truth, source, simulated, generated, resulting, testing).
4. When mentioning resolution of the models, be specific and use similar language used in the shape-model-description.txt (i.e. This shape model was sampled at 75cm from 35cm data source DTM data.” and “This shape model was sampled at 35cm from 18cm data source DTM data.”).
5. Update the reference year for the unpublished papers to 2022. List all authors and make sure the titles will match the titles of the papers that will be published.
6. Proof read the entire bundle to adjust the tense (sometimes it is future tense for events that already happened).
7. Include the Gaskell et al. 2008 reference in ref.txt. (In OLAF, add it under ‘Details’, then ‘Edit’, add the reference, hit submit).

## In the bundle\_description.txt:

8. Use the short description in the bundle label (the abstract in OLAF) to replace the first paragraph in the bundle description.
9. Add the definition of the filename convention
10. add the data directory structure and mention what is in the top directory and in the sub-directories
11. Mention the document directory and summarize what documents are present.
12. Refer in the description as appropriate to the documents in the document collection
13. Once settled on the terminology of the two types of models, make it clear which models in the data directory are which and what it means.
14. Include a description what the test reports are useful for and that they are not necessary to understand the shape models.

## Documents:

15. Include title, author(s) and a date at the top of the document for every document (except for the image previews if that is too hard to do).
16. Choose more descriptive but readable filenames for descriptonofspcshapemodels (also note typo) and shape-model-description documents.
17. Have more specific titles for these two documents.
18. Re-orient the models in the browse pdfs so that N is up and give information about the central longitude and/or latitude.
19. Browse pdfs labels: spell out SPC.
20. Change the format statement in the fortran program to match the ICQ file format (3f12.7).

21. Add to the document collection the OSIRIS-REx mission and spacecraft description from the O-Rex mission bundle document collection. It is the file Larettaetal2017\_arxiv.org.pdf, LID urn:nasa:pds:orex.mission:document:orexmissioninfo. The label of this document will supply appropriate metadata for OLAF.

**Data:**

22. Make the descriptions for the shape models consistent with each other (except for albedo, which is not available in all models).
23. Add the units in the shape models (don't just mention it in the description)
24. Change the missing constant in the shape models to 9.9999999.