Accepted Manuscript

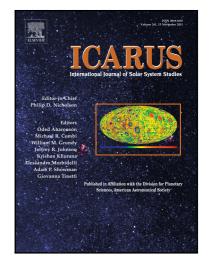
Titan's "Magic Islands": Transient Features in a Hydrocarbon Sea

Jason D. Hofgartner, Alexander G. Hayes, Jonathan I. Lunine, Howard Zebker, Ralph D. Lorenz, Michael J. Malaska, Marco Mastrogiuseppe, Claudia Notarnicola, Jason M. Soderblom

 PII:
 S0019-1035(16)00089-0

 DOI:
 10.1016/j.icarus.2016.02.022

 Reference:
 YICAR 11941



To appear in: Icarus

Received date:9 November 2015Revised date:6 February 2016Accepted date:9 February 2016

Please cite this article as: Jason D. Hofgartner, Alexander G. Hayes, Jonathan I. Lunine, Howard Zebker, Ralph D. Lorenz, Michael J. Malaska, Marco Mastrogiuseppe, Claudia Notarnicola, Jason M. Soderblom, Titan's "Magic Islands": Transient Features in a Hydrocarbon Sea, *Icarus* (2016), doi: 10.1016/j.icarus.2016.02.022

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- Transient bright features in Titan's hydrocarbon sea, Ligeia Mare, were re-observed and then disappeared.
- Another transient bright feature was discovered.
- They are most consistent with floating and/or suspended solids, bubbles, and waves.
- Waves is considered to be the most probable hypothesis.
- They demonstrate that Titan's seas are not stagnant but rather dynamic environments.

1

Download English Version:

https://daneshyari.com/en/article/8135472

Download Persian Version:

https://daneshyari.com/article/8135472

Daneshyari.com