



Universiteit
Leiden
The Netherlands

Inferno Worlds

Ridden - Harper, A.

Citation

Ridden - Harper, A. (2018, November 21). *Inferno Worlds*. Retrieved from <https://hdl.handle.net/1887/67080>

Version: Not Applicable (or Unknown)

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/67080>

Note: To cite this publication please use the final published version (if applicable).

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/67080> holds various files of this Leiden University dissertation.

Author: Ridden, - Harper A.

Title: Inferno Worlds

Issue Date: 2018-11-21

Inferno Worlds

1. The exoplanet 55 Cancri e (Janssen) potentially has a variable exosphere.
(Chapter 2)
2. The dust tails of disintegrating rocky exoplanets likely have temporally variable optical depths.
(Chapter 3)
3. The mass-loss rates of disintegrating rocky exoplanets may be underestimated in most of the literature.
(Chapter 3)
4. Self-shielding within the dust tails of disintegrating rocky exoplanets can have a significant effect on their morphologies.
(Chapter 4)
5. Gas tails from disintegrating rocky exoplanets may be more difficult to observe than exoplanet atmospheres.
(Chapter 5)
6. Intrinsic variability of astrophysical objects introduces additional complexity.
7. When running several hundred simulations with variable input parameters, good notes help to keep track of which run is which.
8. Living in a foreign country broadens your perspectives on both the wider world and your home country.
9. A significant benefit of scientific research is that it fosters strong interpersonal relationships across international borders.
10. Astronomers should resist the temptation to attribute unexplained phenomena to extraterrestrials.

Andrew Ridden-Harper
Leiden, November 2018