Percentage of broken links in astronomy publications according to type of website.

http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0104798
The COordinated Molecular Probe Line Extinction Thermal Emission Survey of Star Forming Regions (COMPLETE) provides a range of data complementary to the Spitzer Legacy Program "From Molecular Cores to Planet Forming Disks" (c2d) for the Perseus, Ophiuchus and Serpens regions. In combination with the Spitzer observations, COMPLETE will allow for detailed analysis and understanding of the physics of star formation on scales from 500 A.U. to 10 pc.

Our Interactive Coverage Tool allows you to see which areas are covered by which data sets in this World Wide Telescope tool.

https://dataverse.harvard.edu/dataverse/complete
This single paper on “Cloudshine” (a small part of “COMPLETE”) has 626 downloads of its data set from Dataverse. The paper itself has been cited 43 times.

Papers using data from the COMPLETE Survey have been cited >7000 times since 2006, when data were first released online. The 2006 “data paper” has been cited 150 times.
Ten Simple Rules for the Care and Feeding of Scientific Data


Published: April 24, 2014 • https://doi.org/10.1371/journal.pcbi.1003542

Rule 1. Love Your Data, and Help Others Love It, Too

Rule 2. Share Your Data Online, with a Permanent Identifier

Rule 3. Conduct Science with a Particular Level of Reuse in Mind

Rule 4. Publish Workflow as Context

Rule 5. Link Your Data to Your Publications as Often as Possible

Rule 6. Publish Your Code (Even the Small Bits)

Rule 7. State How You Want to Get Credit

Rule 8. Foster and Use Data Repositories

Rule 9. Reward Colleagues Who Share Their Data Properly

Rule 10. Be a Booster for Data Science
1. Acknowledge that data are people and can do harm

2. Recognize that privacy is more than a binary value

3. Guard against the reidentification of your data

4. Practice ethical data sharing

5. Consider the strengths and limitations of your data; big does not automatically mean better

6. Debate the tough, ethical choices

7. Develop a code of conduct for your organization, research community, or industry

8. Design your data and systems for auditability

9. Engage with the broader consequences of data and analysis practices

10. Know when to break these rules