

Data and Publication Policy

Ronald Gilliland 30 October 2007

Two documents control this at the project level:

- Letter of Direction from William Borucki to Ronald Gilliland and Jørgen C.-D. formally setting up KAI and KASC.
 - largely covered by Jørgen on first morning
- Data Release and Scientific Publications Policy. KKPO-16001-003, 7 August 2007, NASA Ames Research Center.
 - most discussion will relate to this and special aspects for the KASC

Data release policy -- general.

The Kepler Mission data will be made publicly available at specified times:

1. data from commissioning and initial, partial quarter within 1 year of end of quarter
2. one year later release next 3 months of data
3. At $t+n$ years release additional 6 month blocks of data.
4. All data within one year of mission end.
5. All data for any stars that have been dropped from the planet search program will be made public within 2 months of their being dropped.
6. Full frame images, and general metadata describing observations will be made publicly available as soon as ingested.

The MAST (Multimission Archive at STScI) will be the source for general community access to the data.

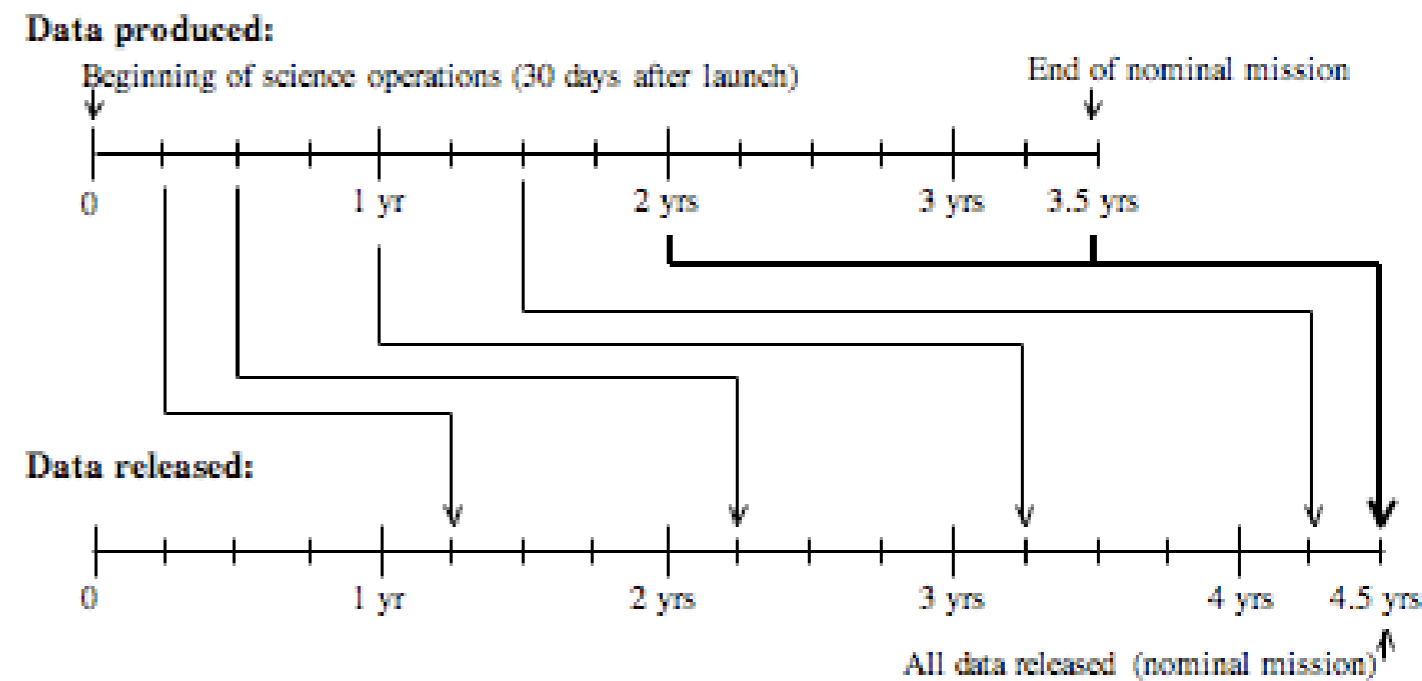


Figure 1: Public Data Release

Data release policy -- asteroseismology specific.

Data collected for asteroseismology will enter the public domain as defined for the general case.

In addition KASC members (contingent upon having signed “non-disclosure agreement”) will have access to additional data as follows:

1. Targets observed at 1-minute cadence for the purposes of asteroseismology.
 - after processing at Ames for basic time series creation, ingest into MAST, then Ron Gilliland will perform high pass filtering and pass to KASOC (Hans Kjeldsen discussed filter options yesterday.) for KASC access.
 - total time ~4 months from last data collected in quarter
2. Targets observed at 1-minute cadence for exoplanet research.
 - as above upon request from Kepler PI for KASOC analysis -- these data are not made available to the KASC
3. Long-cadence (30-minute) targets (100s/1000s) of red giants, beta Cephei, pulsating B stars, delta Scuti, etc.
 - generally available to KASOC and KASC upon ingest to MAST

KASC members work under a data/publication policy. If a person cannot accept the policy or fails to comply with it, the KAI Steering committee can take the action to cancel the KASC membership.

Publication policy -- general.

All Science Team members on the Kepler Mission are constrained by this.

The Kepler Scientific Publications Policy covers three requirements:

1. Kepler publications must be accurate
2. credit must be fair to the authors and other contributors
3. the data and science results should be provided to the public in a timely fashion

At the Kepler Project level a Kepler Science Council (KSC) consisting of the PI and four members from the Science Team (16 Co-Is + 11 SWG) will:

- at least two of KSC will carefully review all pubs prior to submission
- guarantee that the text, authorship, etc fairly represent contributions
- define core group of publications, including an initial set completed 9 months after commissioning for broad authorship

For KAI/KASC publications:

1. The existing project level document holds.
2. The 'Letter of Direction' further specifies:
 - matters concerning data rights and publication will be dealt with by the KAI Steering Committee (T. Brown, J. C.-D., R. Gilliland (head), and H. Kjeldsen), in collaboration with the Project, as required.
 - KASC will be operated on the principle of open access to the Kepler asteroseismic data
 - A publication policy shall be established by the KAI in collaboration with the Project ... with due account being taken of the contributions of the Kepler Team. [Draft is in next slide, and this will be a topic for discussion Wednesday afternoon.]
 - Papers based on Kepler asteroseismic data shall be internally refereed before submission to a journal or preprint server.

Draft: KAI data and publication policy guidelines.

1. All KASC members have unrestricted access to all data on KASC-selected targets in KASOC. Access is password controlled and data downloads are logged.
2. All members that contribute to a given data set (analysis, target selection, ground-based follow-up etc.) shall be on publications related to that given data set.
3. Members should collaborate and the subgroups of KASC that will be set up to select targets, and ensure analyses, are also responsible for publication.
4. KASC members that work on data related to a specific target are asked to join a possible subgroup that may be responsible for that target.
5. Any publication that will be submitted shall be checked and formally approved by the KAI Steering committee (or as delegated) before submission to either journals or preprint servers. The KAI Steering Comm. has the right to modify the list of authors to make it conform with the data-policy guidelines.
 - Prior notification to the KAI Steering Comm. is also expected for press releases, conference presentations, general talks, etc.
6. The KAI Steering Comm. will keep the PI/KSC informed of requests for publication and presentation reviews. Early and/or mission-comprehensive papers in asteroseismology may be required to have broader authorship reflecting general contributions of the Kepler Science Team per NASA policy.