



A&A Special Issue additional information - updated

26 March 2010

Dear Herschel KP PI, copy all Herschel registered users,

Introduction

This is an update to information circulated earlier. If you are not involved in writing (a) paper(s) for the Herschel A&A Special Issue you can stop here!

I have some additional information regarding various aspects of the A&A Special Issue that I want to provide to you, and for circulation in your consortia. Given the urgency this note is sent to all registered Herschel users. Some of the information is also applicable to papers published in other issues and/or other journals. This note is also intended to answer a number of questions that I have received by various means including through the HSC Helpdesk.

I want to address the following:

- (i) A&A documentclass and abstract format (new!)
- (ii) compulsory footnote in Herschel papers (unchanged)
- (iii) standard references to Herschel and its instruments (unchanged)
- (iv) additional acknowledgements to Herschel and its instruments (new!)
- (v) (long) author lists (unchanged)
- (vi) manuscript submission (new!)
- (vii) posting papers e.g. on astro/ph and elsewhere (unchanged)

(i) A&A Special Issue papers structure (new!)

The A&A Special Issue is a Letters issue. Consequently in the A&A manuscript template you should use:

```
\documentclass[letter]{aa} % for the letters
```

This choice by default will force you to use a 'structured abstract' as indicated in the template:

```
% \abstract{}{}{}{}{}
% 5 {} token are mandatory
\abstract
% context heading (optional)
% {} leave it empty if necessary - but it must be there
  {your context (optional) - can be left empty}
% aims heading (mandatory)
  {your aims}
% methods heading (mandatory)
  {your methods }
% results heading (mandatory)
  {your results}
% conclusions heading (optional), leave it empty if necessary
```



```
% {} leave it empty if necessary - but it must be there  
{your conclusions (optional) - can be left empty}
```

However, the use of the structured abstract is not mandatory. If you prefer a 'traditional' (unstructured) abstract, you can do so (this is not in the A&A template!) by using the following:

```
\documentclass[letter,traditabstract]{aa} % for the letters with traditional abstract
```

The abstract is then written as follows:

```
\abstract{This is my unstructured abstract. ... }
```

(ii) Compulsory footnote in all Herschel papers (unchanged)

In all papers using Herschel and/or Herschel data a compulsory footnote on the first page should be included. The footnote serves multiple purposes, including providing credit and simplifying publication tracking. The footnote is:

"Herschel is an ESA space observatory with science instruments provided by European-led Principal Investigator consortia and with important participation from NASA."

Using the A&A LaTeX template this should be done using the `\thanks` command as illustrated here:

```
\title{The title of your paper\thanks{Herschel is an ESA space observatory with science instruments provided  
by European-led Principal Investigator consortia and with important participation from NASA.}}
```

In other journals the mechanics will be different but similar, however, the footnote should be included. It is emphasised that this instruction is valid not only for the A&A Special Issue but for all Herschel-related publications in all journals until further notice. This information will also be posted on the HSC website in due course.

(iii) Standard references to Herschel and its instruments (unchanged)

Reference to Herschel and its instruments should be made using the following standard references as appropriate. By means of an example:

"In the present paper we will be discussing observations performed with the ESA Herschel Space Observatory (Pilbratt et al. 2010), in particular employing Herschel's large telescope and powerful science payload to do photometry using the PACS (Poglitsch et al. 2010) and SPIRE (Griffin et al. 2010) instruments, and very high resolution spectroscopy with the HIFI (de Graauw et al. 2010) instrument."

These four references are to four papers in the A&A Special Issue. In the references section in the A&A Special Issue these references should be given as "this volume", and the editors will insert the correct details.

I comment that you can refer to Herschel either as the "Herschel Space Observatory" or just "Herschel", however, I stress that there is no acronym in use for Herschel. Please do not invent one!

(iv) Additional acknowledgements to Herschel and its instruments (new!)

Including the 'Herschel footnote' and the use of the appropriate 'standard references' is compulsory for all authors. However, there are additional possible acknowledgments, some of which may be compulsory in the individual case, and some that are to the discretion of the authors.

For papers based on **guaranteed time from the instrument consortia it is compulsory to acknowledge the consortia** as follows:

"HIFI has been designed and built by a consortium of institutes and university departments from across Europe, Canada and the United States under the leadership of SRON Netherlands Institute for Space



Research, Groningen, The Netherlands and with major contributions from Germany, France and the US. Consortium members are: Canada: CSA, U. Waterloo; France: CESR, LAB, LERMA, IRAM; Germany: KOSMA, MPIfR, MPS; Ireland, NUI Maynooth; Italy: ASI, IFSI-INAF, Osservatorio Astrofisico di Arcetri-INAF; Netherlands: SRON, TUD; Poland: CAMK, CBK; Spain: Observatorio Astronómico Nacional (IGN), Centro de Astrobiología (CSIC-INTA). Sweden: Chalmers University of Technology - MC2, RSS & GARD; Onsala Space Observatory; Swedish National Space Board, Stockholm University - Stockholm Observatory; Switzerland: ETH Zurich, FHNW; USA: Caltech, JPL, NHSC."

"PACS has been developed by a consortium of institutes led by MPE (Germany) and including UVIE (Austria); KU Leuven, CSL, IMEC (Belgium); CEA, LAM (France); MPIA (Germany); INAF-IFSI/OAA/OAP/OAT, LENS, SISSA (Italy); IAC (Spain). This development has been supported by the funding agencies BMVIT (Austria), ESA-PRODEX (Belgium), CEA/CNES (France), DLR (Germany), ASI/INAF (Italy), and CICYT/MCYT (Spain)."

"SPIRE has been developed by a consortium of institutes led by Cardiff University (UK) and including Univ. Lethbridge (Canada); NAOC (China); CEA, LAM (France); IFSI, Univ. Padua (Italy); IAC (Spain); Stockholm Observatory (Sweden); Imperial College London, RAL, UCL-MSSL, UKATC, Univ. Sussex (UK); and Caltech, JPL, NHSC, Univ. Colorado (USA). This development has been supported by national funding agencies: CSA (Canada); NAOC (China); CEA, CNES, CNRS (France); ASI (Italy); MCINN (Spain); Stockholm Observatory (Sweden); STFC (UK); and NASA (USA)."

Where appropriate, you are invited to acknowledge the use of HCSS and/or HSpot and/or HIPE by:

"HCSS / HSpot / HIPE is a joint development (are joint developments) by the Herschel Science Ground Segment Consortium, consisting of ESA, the NASA Herschel Science Center, and the HIFI, PACS and SPIRE consortia."

HIPE can be referenced as follows: Ott, S. 2010, in ASP Conference Series, Astronomical Data Analysis Software and Systems XIX, Y. Mizumoto, K.-I. Morita, and M. Ohishi, eds., in press

Funding support:

ESA does not provide funding support for data exploitation. Investigators receiving such support from e.g. national agencies should follow applicable rules for acknowledgements. US-based investigators receiving such support should consult the NHSC re acknowledgements.

(v) (Long) author lists (unchanged)

I have been approached by authors pointing out that (very) long author lists use space, already limited, that could be used for the paper proper. It has been suggested to save space by using author "lists" of the type "A. Astronomer, B. Astronomer, and the Famous Group of Astronomers".

I have approached A&A on this matter, in response I have been provided with the A&A policy. Here is the summary on the current A&A policy on consortia author lists that I received:

"The basic idea behind the policy is to list all authors of each paper so that they get the recognition they deserve.

For A&A, a large consortium includes at least 100 authors.

If the consortium is smaller than 100 (but larger than 30), we list author names and affiliations separately. All authors appear on the title page of the article and the affiliations come after the reference lists. The name of the consortium or collaboration can be included in the author list if needed, but preferably after it.

The current A&A LaTeX macro includes a specific class for this layout called by:

```
\documentclass[longauth]{aa}
```



Please see <http://www.aanda.org/content/view/130/173/lang.en/#lodclass> for details on the various classes. For regular papers, the printed and online editions of the journal are the same in this respect. *For Letters, the list of affiliations can be an online-only appendix to maximize the usable space for science.*

For large consortia (more than approx. 100 authors) we have a different policy that is common to the major astronomy journals. For such consortia, we will include only the name of the consortium on the title page of the printed edition of the Journal. However, we include all author names on the title page of the electronic edition of A&A, which is the one used by ADS and other databases for author indexing. Affiliations are included at the end of the paper after the references as in the previous case.

I hope this clarify our policy on the matter. I'll be happy to answer additional questions you might have."

I believe we do not have any 100+ author lists for Herschel papers at this point. For papers with 30+ authors the list can be put in an online-only appendix as stated in the italicised (by me) text above.

(vi) Manuscript submission (new!)

First a reminder that the submission deadline for the A&A Special Issue is 31 March 2010. There is no particular time of the day applicable.

When submitting, you do not need to ask for a particular editor or anything like that, this will all be assigned by the journal. However, **you are requested to state that the manuscript is intended for the Herschel Special Issue from the XX Key Programme consortium in the "miscellaneous remarks"**.

(vii) Posting papers e.g. on astro/ph and elsewhere (unchanged)

The idea is that the A&A Special Issue should become the first publication of Herschel science results, highlighting the very first results in the early mission. But it is also expected that additional papers will be published in other issues and/or other journals soon after. We have agreed that no papers should be publicly posted e.g. on astro/ph before the A&A Special Issues papers have been posted.

The target acceptance date for the A&A Special Issue papers is 15 May 2010. The papers for this issue will only be posted after acceptance. This is the adopted plan, and it is a good plan. However, in order to provide a margin for unforeseen events, I suggest that papers intended for other issues and/or other journals are posted not before 1 June 2010. Everyone knows this cannot be policed in any way, thus I can only urge people to respect this.

Good luck!

Best regards,

Göran Pilbratt, Herschel Project Scientist