

CWVC data management at the BADC

Report to the CWVC Steering Committee

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1. Data archive

Data from the *Chilbolton Advanced Meteorological Radar* (CAMRa) have been archived at the BADC by Robin Hogan as part of the deliverables of Projects GST/02/2316-2874. They cover the period March 1999 – February 2001. A Web page provides basic information on the CAMRa data set, which appears in the BADC catalogue as a data set *per se* and is also visible (but not accessible by non CWVC users) from the Chilbolton data archive. The directory structure and file name conventions are the ones adopted for the UFAM data, which also apply to the Chilbolton archive. The URL address of the CAMRa Web page is <http://badc.nerc.ac.uk/data/cwvc/camra/>

2. Liaison with project investigators

Contact with the PIs or team members of completed projects has been made to check the status of data deliveries from these projects.

- Project GST/02/2314 (Gadian) is a theoretical study that will not deliver numeric data to the BADC.
- Project GST/02/2318 (Harries) will deliver very little data if any, mainly via a PhD thesis by Paul Green. Jon Murray (ICL) expects some data to be ready for delivery by September 2003.
- Project GST/02/2321 (Kaye) is continued by further grants that were awarded in later rounds, namely GST/02/2879 & NER/T/S/2001/203; investigators will provide data towards the end of the final project.
- Projects GST/02/2324 (Whiteway) and GST/02/2871 (Shine) are in the process of formatting some of their data and should submit files containing data or other useful information to BADC in the near future.

3. Supporting data sets

Following an exchange of e-mails with Dr William Rossow (NASA GISS), provider of the *International Satellite Cloud Climatology Project* (ISCCP) data sets, the conditions of access to the ISCCP data has been clarified. In accordance with Dr Rossow's wish, the data have been made public, a request of appropriate acknowledgement has been posted and the data set web pages have been updated to reflect the ISCCP data public status. The ISCCP archive includes the following three data sets (cloud products at 280 km resolution).

1. ISCCP-D1: global 3-hourly data (202 variables, July 1983-December 1999).
2. ISCCP-D2: global monthly means (130 variables, July 1983-December 1999).
3. ISCCP-C2: global monthly data (72 variables, July 1983-December 1990).

A link to the ISCCP Web pages has been included in the CWVC data set front page.

4. Format and documentation

A complete documentation on NetCDF format and associated CF-compliant metadata has been written and placed online. A link to this documentation has been included in the CWVC data set front page.

5. Future work

In the near future, CWVC data management tasks will include the following.

- Continue chasing 3rd round PIs for information on their deliverables.
- Continue chasing 1st and 2nd round PIs for data submission.
- Monitoring archive access and releasing data to public domain when appropriate.
- Updating data documentation and Web site.
- Reporting to the CWVC SC (six monthly, which are our formal milestones).

6. Budget

Since the ISCCP data have been provided by the NASA Langley Data Centre for free, the CWVC data management budget has been slightly updated as shown in the table below (the £5K initially intended to cover data purchase in Year 2002-03 have been moved as contingency to the budget of the final year).

Updated data management budget:

Year	Task	Personnel (person.year)	Estimated cost (K£)	Yearly cost (K£)
2001-02	• Enquiry on project deliverables + production of DMP and Data Protocol	0.17	10	10
2002-03	• Archive, Web site, uploading system set up	0.12	7	15
	• Data archival, maintenance and documentation + support to data providers	0.14	8	
2003-04	• Data archival, maintenance and documentation + support to data providers	0.17	10	10
2004-05	• Data archival, maintenance and documentation + support to data providers	0.17	10	10
2005-06	• Data archival, maintenance and documentation + support to data providers	0.35	20	35
	• Data distribution and integration of data sets into Live Access Server (LAS)	0.17	10	
	• Data purchase or other possible use (5K)	/	5	
Total	• Work • Data purchase	1.29 /	75 5	80