

ALLIANCE ICING RESEARCH STUDY (AIRS) 1.5 DATA PROTOCOL

1. All AIRS 1.5 participants must agree to this protocol. All publications using AIRS 1.5 data must include an acknowledgement of the funding agencies. All publications related to AIRS 1.5 should be listed on the AIRS Web site.
2. Alliance Icing Research Study 1.5 participating organizations will have free and timely access to the data acquired during the project. The normal vehicle for data dissemination will be a transfer of data via the main archive established at the Meteorological Service of Canada; however, direct transfer of data between investigators (organizations) is also encouraged. The types of data provided to the AIRS 1.5 Archive will be determined at a special meeting or discussion with participating scientists. It may be necessary for some organizations to archive some specialized data sets, and retain them within their organizations. In that case, a summary of that data, and the procedures for obtaining copies, must be included in the AIRS 1.5 Archive. All data in the AIRS 1.5 Archive, and sub-archives of participating organizations, should include a description of how it was obtained, a description of the data itself, calibration procedures and results, and an assessment of the data quality.
3. Each investigator's data is proprietary until the data appear in publication or, if the data are included in the archive, until this archive is published/released to the scientific community. Organizations who collect AIRS 1.5 data are responsible for the reduction, analysis, interpretation and publication of their data and research results.
4. An investigator whose unpublished data are to be used in an investigation has the right to be included among the authors of any resulting publication. The investigator may refuse co-authorship but not the use of this data by other participating organizations. The investigator must provide information concerning the quality of the data and may require that suitable caveats regarding the data be included in the publication. It is the responsibility of the sponsoring investigator to solicit the participation of the investigator whose data are to be used as early as possible during the formative stages of the investigation.
5. AIRS 1.5 participating organizations may release their own data to whomever they wish. They may not release the data of other organizations (investigators) without consent.
6. Any data sets resulting from collaborative investigations among AIRS 1.5 participants will be made available to the AIRS 1.5 Archive. This includes all collaborative efforts both within and outside the AIRS 1.5 organizations.
7. Scientists who are not employed by AIRS 1.5 participating organizations, co-investigators, or associates may participate in investigations using unpublished AIRS 1.5 data provided they are sponsored by an AIRS 1.5 organization. They must agree to make available to the AIRS 1.5 Archive any associated data and any AIRS 1.5 data that they process to a level beyond that which is contained in the archive.
8. Selected sets of reduced data obtained by investigators participating in collaborative research will be made available to AIRS 1.5 participants within 9 months following acquisition. A data status report will be issued every three months by each "data

collecting agency” following the end of the project, or until the data reside in the Archive. In order to accelerate the analysis of selected data sets, some preliminary data will be released within three months of the end of the field project. It must be understood that these data may only be suitable for exploratory analysis, and are not suitable for publication. These preliminary data sets will always be followed by the final quality controlled data sets, which are to be made available to AIRS 1.5 participants within nine months. It is the intention that this latter data will be suitable for publication.

9. The AIRS 1.5 Archive, and the archives of individual participating organizations, will be made publicly available, with nominal charges for filling requests, after a period of time to be determined by AIRS 1.5 participants, but not longer than 3 years after the field project. Even after that time, people using the data will be required to acknowledge the funding sponsors of the AIRS 1.5 data being used. People will be encouraged to collaborate with scientists who collected the data, but the offer of co-authorship will no longer be required.