

Light Precipitation Validation Experiment (LPVEx) Data Protocol

1. All publications using LPVEx data will be required to acknowledge relevant funding agencies and should be listed on the LPVEx web site.
2. LPVEx 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 at Colorado State University (<http://lpvex.atmos.colostate.edu>); however, direct transfer of data between investigators (organizations) is also encouraged. 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, would be posted on the LPVEx Archive.
3. The types of data to be provided to the LPVEx Archive and their attached rights will be agreed upon at a special meeting of participating scientists before the field campaign.
4. All data in the LPVEx Archive, and sub-archives of participating organizations, shall be comprised of the following components,
 - **Instrument abstract**: A short document describing the instrument, its placement, and data collection method(s).
 - **Data listing**: A listing of each available data segment and its attributes, e.g. filename, start/stop times, duration, data/scan type, etc.
 - **Quality control (QC) report**: Documentation of the calibration and QC procedures including a PI assessment of the data's quality.
 - **Graphical overview**: Time-series multimedia product(s) to yield a quick look at the data.
 - **Data guide**: Documentation of the final data file format(s).
5. Organizations that collect LPVEx data are responsible for the reduction, quality control, analysis, interpretation, and publication of their data and research results.
6. Any data sets resulting from collaborative investigations among LPVEx participants will be made available to the LPVEx Archive. This includes all collaborative efforts both within and outside the LPVEx organizations. Any re-processed or combined dataset containing LPVEx data should be uploaded to the LPVEx archive.
7. Each investigator retains rights of first publication of the data until they either appear in publication or the LPVEx archive is released to the scientific community.
8. An investigator whose unpublished data are to be used in an investigation has the right to be included among the authors of any resulting publication.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. Exception is granted to student thesis, as they are recognized as not carrying co-authorship. 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.
9. LPVEx participating organizations may release their own data to whomever they wish. They may not release the data of other organizations (investigators) without consent.

10. “Outside” investigators not employed by LPVEx participating organizations may participate and/or have access to unpublished LPVEx data provided they,
 - are sponsored by a LPVEx organization.
 - declare which data they plan to use prior to participation.
11. It is the responsibility of the sponsoring investigator to solicit the participation of the data investigator to process their data.
12. First cuts of reduced data obtained by investigators participating in collaborative research will be made available “internally” to LPVEx participants within 3 months following acquisition.
13. The LPVEx Archive will be made publicly available no later than 1 year after the field project. Archives of individual organizations, must also be made publicly available at this time.