

Public Access to IMPROVE Metadata – A Three-Tier Approach

Proposal to IMPROVE Steering
Committee from Metadata Task
Force, September 2009

1. Metadata for download through query wizard from VIEWS website

- Pyrolytic carbon (OP) by TOT
- OC, EC, & TC by TOR & TOT
- HIPS primary outputs (reflectance and transmittance)
- Dates of sample analyses
- Filter deposit area

2. Metadata for download as flat files

- UC Davis monthly artifact corrections for all ions and carbon components (based on monthly median values)
- Field blank loadings for ions and carbon
- Carbon secondary filter loadings
- External audit reports
- Analytical uncertainties from laboratories

3. Metadata available from labs, with examples & contact info on VIEWS

- Laboratory replicate analyses for ions and carbon
- Filter lot information
- Weighing records – pre and post weights, balance ID, dates weighed, lab T & RH
- Ion detection limits & QA results
- 15-minute flowrates
- XRF spectra, IC chromatograms, TOR thermograms (printouts)
- Sampler flowrate calibration data
- Field maintenance details