

Posting type	Advisory
Subject	Updated data for carbon
Module/Species	C/ EC, OC, TC, OC1, ...,OC4, OP, OPT, EC1, ..., EC3
Sites	all
Period	January 2016 – February 2017
Recommendation	Update carbon data downloaded before September 2018

Supporting information

Starting with January 2016 sample dates, Desert Research Institute (DRI) switched from Model 2001 to Model 2015 carbon analyzers for the quartz filters from sampler module C (Chow et al., [2015](#), [2018](#)). The new Model 2015 analyzers directly measure carbon dioxide (CO₂) with a NonDispersive InfraRed (NDIR) detector, where the earlier Model 2001 analyzers had directly measured methane (CH₄) with a Flame Ionization Detector (FID). [Following quality assurance analyses](#) of reported 2016 data, [DRI determined](#) that the software’s initial threshold for peak-integration was not appropriate to the new NDIR carbon signal. Carbon data from 2016 and early 2017 [have accordingly been reprocessed](#) and redelivered, and the revised data are now available from the [Federal Land Manager Environmental Database](#). The magnitude of the resulting change is illustrated below for total carbon (TC), which is unaffected by the OC-EC distinction.

