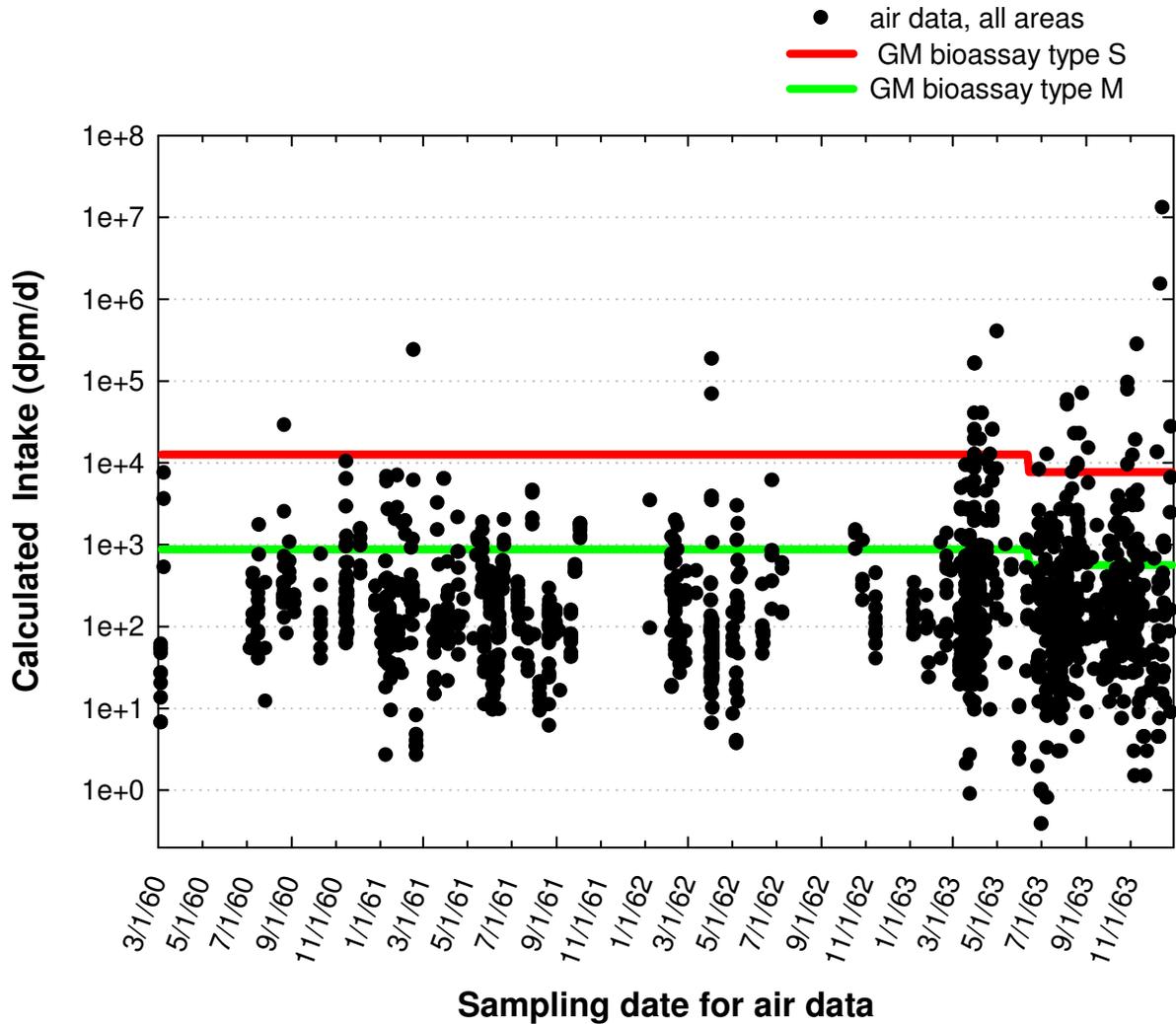


Graph comparing intakes calculated from United Nuclear air data and values assigned based on bioassay for 1960-1963



The graph above shows a comparison of the potential intakes derived from all of the GA/BZ/SS samples available for United Nuclear Corp. during the 1960-1963 time period. The intakes were calculated assuming that a worker inhaled the given measured air concentration (1256 data points) from GA/BZ/SS samples for an entire work day (8 hours at 1.2 m³/hr or 9.6 m³/d). These values were adjusted for work days (250 days/year) and are compared with the intakes derived from bioassay data that are currently used to assign intakes based on TBD-6001 Appendix D, Table D.1 for operators for type S and type M uranium (based on the GM of the bioassay results distribution). The bioassay derived intake levels are shown as green and red lines. The dip is due to a change in the intake levels as shown in Table D.1. The GM and 95th percentile of the air data from 1961 and 1962 are 195 dpm/d and 2555 dpm/d respectively (note that these have not been adjusted for days worked in a year and do not include the years 1960 and 1963).