

CritView – Version 1.04 – New Features and Updates

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NCSP Technical Program Review

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Goals of the 2018 CritView Revision:

- **Decrease file read times in order to support larger database**
- **Improve user interface – make it more intuitive**
- **Correct minor bugs in code and database**

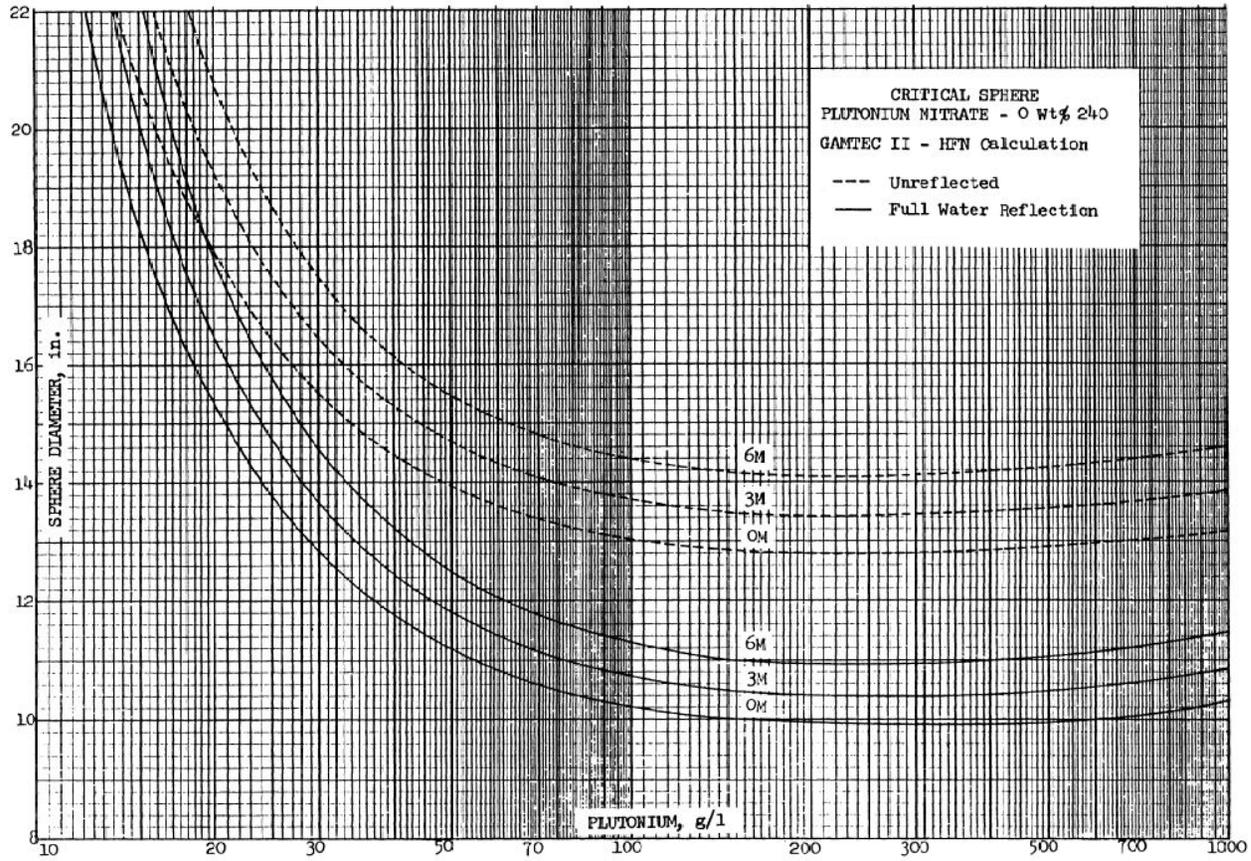
Background

- **CritView Proposed by Hans Toffer at Hanford**
- **Funded by NCSP starting ~2004**
- **Developed by David Erickson and Scott Finfrock**
- **HTML version of ARH-600 released ~2005**
- **Initial public release of CritView in 2009**

CritView Overview

- **Designed to be an “Electronic Handbook”**
- **Provide a versatile interface for ARH-600 and other criticality safety handbook data**
- **Make multiple handbooks and data sets available in one place**
- **Provide updated and well documented data (i.e., reproduce ARH-600 with MCNP)**

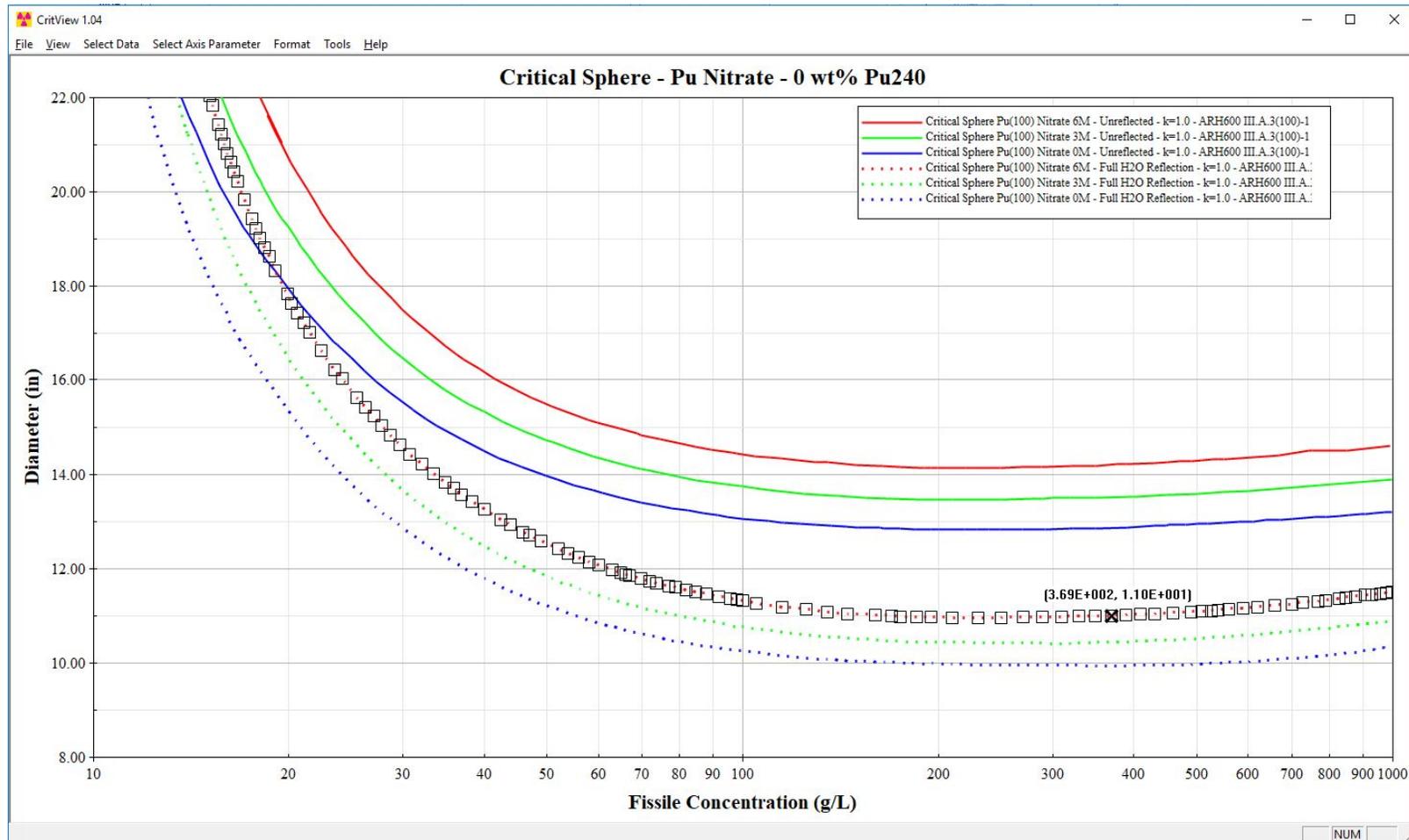
Typical Page from ARH-600



III.A.3.100-1

ARH-600

CritView v1.04 Representation of ARH-600 Page



CritView v1.04 Revision

- **Software Overview**
 - Written in C++ with MFC
 - Approximately 20,000 lines
 - Developed with Microsoft Visual Studio 2013
 - Approximately 80% rewritten for this revision

New Features in CritView v1.04

- **Major additions**

- New user interface (old interface still available as menu item)
- Binary database file for faster reads (still compatible with text database file)
- Print plots directly from CritView
- Updates to database (new database file version 1.08)

- **Minor additions**

- Hide curves by right clicking
- Filter on multiple isotopes simultaneously
- Use molarity as a filter parameter
- Ability to rearrange line order in legend
- Display curves with non-standard parameters

New User Interface



How to Get Your Very Own Copy

- NCSP Web Page <http://ncsp.llnl.gov>

Analytic Methods tab

CritView (on left sidebar)

Click on Download CritView

- **For more information, send email to:**
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