**Revised ROSINA RIDs, Perry, 10 October 2017**

Replace or modify the previous RIDs with the following (all minor)

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| **Title** | **Description** | **Recommendation** |
| Documentation improvements | The raw datasets do not contain all documentation needed to use and understand the data. | Add to the raw directory some of the documents that are in the datasets for calibrated data. Specifically, soft\_dfms\_l2\_to\_l3 and soft\_rtof\_l2\_to\_l3. Alternatively, these files could be referenced in a user guide.  |
| Label parameters are not fully described | The parameters in the attached labels of the data file are named in the ad4\_rn\_hk\_monitoring file but this is not an obvious place to look. And the parameters are not fully described. | This file should be referenced in the label or in the readme file or in a user guide. Some of the descriptions of the parameters should be enhanced.  |
| Difficult to determine essential information concerning data files.  | Essential information is contained in the “mode” parameter, but the importance of this parameter is not conveyed to the user, who must search multiple documents to learn this.  | The mode parameter should be highlighted in the readme (or dataset.cat) files or in a user guide to the data.  |
| Files organization is inconvenient.  | Several aspects of the file organization and contents are not discovered until inspecting the data files.  | Provide additional information on file structure and organization in DATASET.CAT or in a user guide.  |
| Need more significant figures in the RTOF mass data | The calibrated data files have two significant figures in the mass column, but the lower-mass data have a higher resolution.  | Provide mass resolution that matches the data. |
| Need a data analysis guide | These are complicated data, and a user guide is arguably necessary to facilitate analysis and generate a greater interest and use in these extraordinary data.  | Provide a guide that describes the data, identifies important documentation, and provides a few example calculations.  |
| One of the calibration equations in the ICD has typos | In 2.5.3.4, the equation is (errors in red): t0=(sqrt(m1/m2)\*chn**1**-chn**2**)\*1.5**)**/(sqrt(m1/m2)-1) | Replace with correct equation: t0=(sqrt(m2/m1)\*chn**2**-chn**1**)\*1.5/(sqrt(m1/m2)-1) |