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and Noble gas data assessment tool for the Working Area (PaNG WA)

Particulate and Noble gas data collected during the OSI need to be assessed and integrated with the other OSI techniques in order to create a comprehensive report. While the spectra are analyzed jointly with ISP in the OSI Field laboratory on individual sample level, the results of their analysis shall be integrated over the entire Inspection Area and provide the basis for further refinement of the search logic, field mission planning and fusion with data from other techniques. This process will be performed in the Working Area by the Inspection Team and a specialized software tool (PaNG WA) has been developed for this purpose in preparation for IFE. The tool allows the inspectors to visualize the results of the sample level analysis on the Inspected Area map, group the data by criteria such as search zone, field missions, isotopic results (including ratios and calculation of potential zero time), as well as integration with the auxiliary data – meteorological, state-of-health of processing and analysis equipment, physical parameters of the area where the sample has been collected. The tool also provides the opportunity to compare the observations with known release scenarios to help rule out false positive results.

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