

THE DATABASE FOR ASTRONOMICAL SPECTROSCOPY - UPDATES, ADDITIONS AND PLANS FOR SPLATALOGUE FOR ALMA FULL SCIENCE OPERATIONS

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For the past 10 years, Splatalogue has been constantly updated, modified and enhanced in order to make molecular spectroscopy data readily available to the astronomical community. Splatalogue is fully integrated into the ALMA Observing Tool, the ALMA data reduction and analysis package (CASA) and several enhanced tools being developed through the ALMA development program including the next generation CASA viewer (CARTA) and the ALMA Data Mining Toolkit (ADMIT). In anticipation for ALMA full science operations, a number of improvements have taken place over the past year to the Splatalogue database including, but not limited too, additions to Splatalogue from the JPL and CDMS line lists, improvements and reconciliation of the Lovas/NIST Catalog assigning NRAO recommended rest frequencies to every astronomically detected transition, including recent astronomical surveys to the list of transitions detected in space and finally, improved search and display features as requested by the astronomical community. Splatalogue is planning for the next 10 years of development and welcomes any and all contributions to improving the data integrity and availability to the scientific community.