

# HiSS data cubes

## HDF5 and the VO

Jiří Nádvorník<sup>1</sup>, Petr Škoda<sup>1, 2</sup>

<sup>1</sup>Faculty of Information Technology, Czech Technical University in Prague

<sup>2</sup>Astronomical Institute of the Czech Academy of Sciences, Ondřejov



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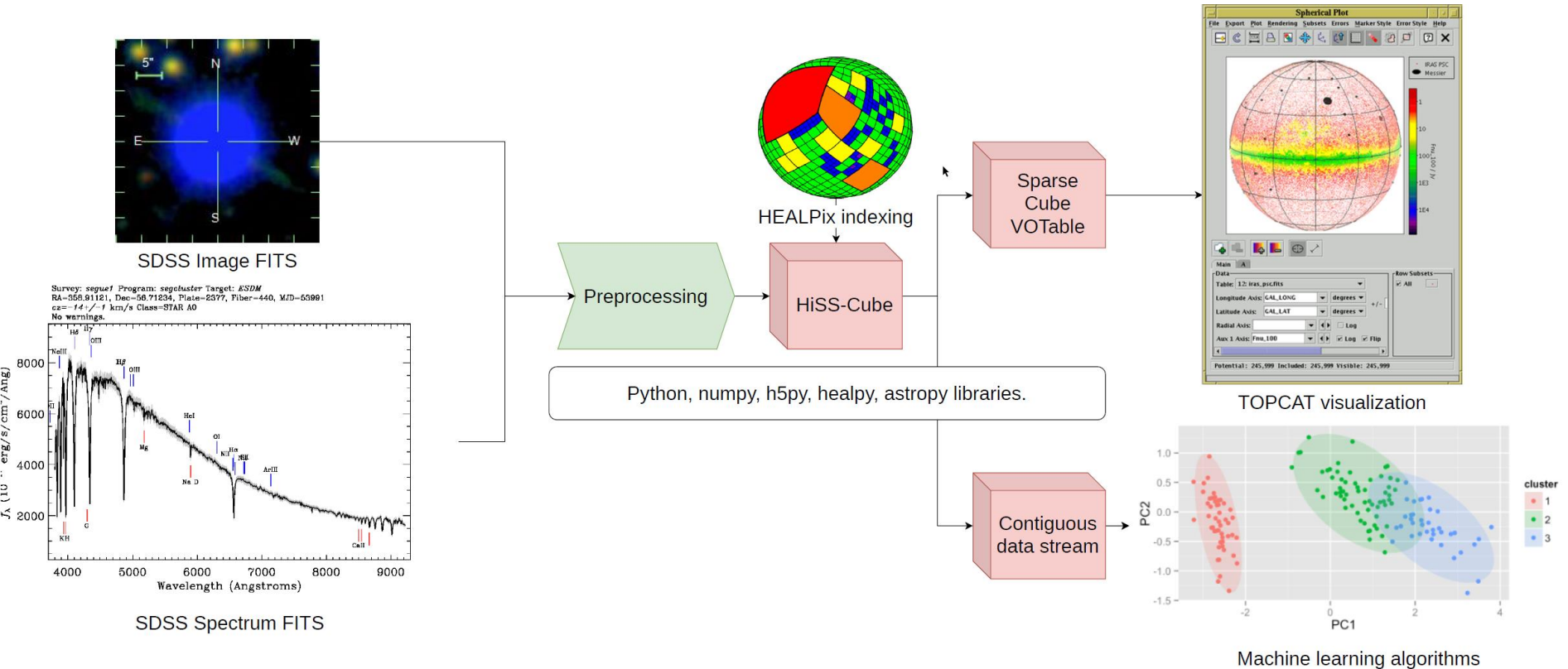
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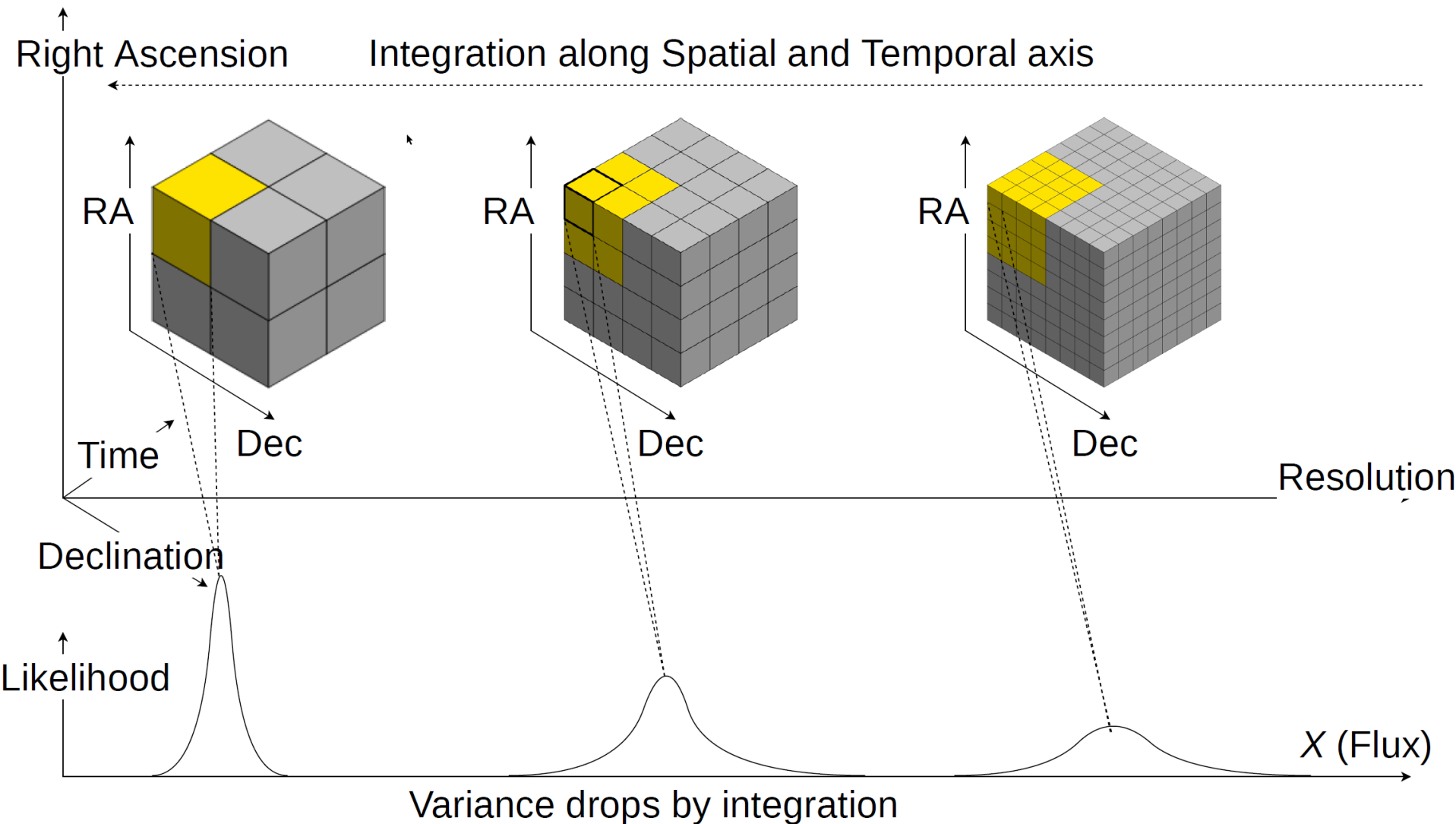
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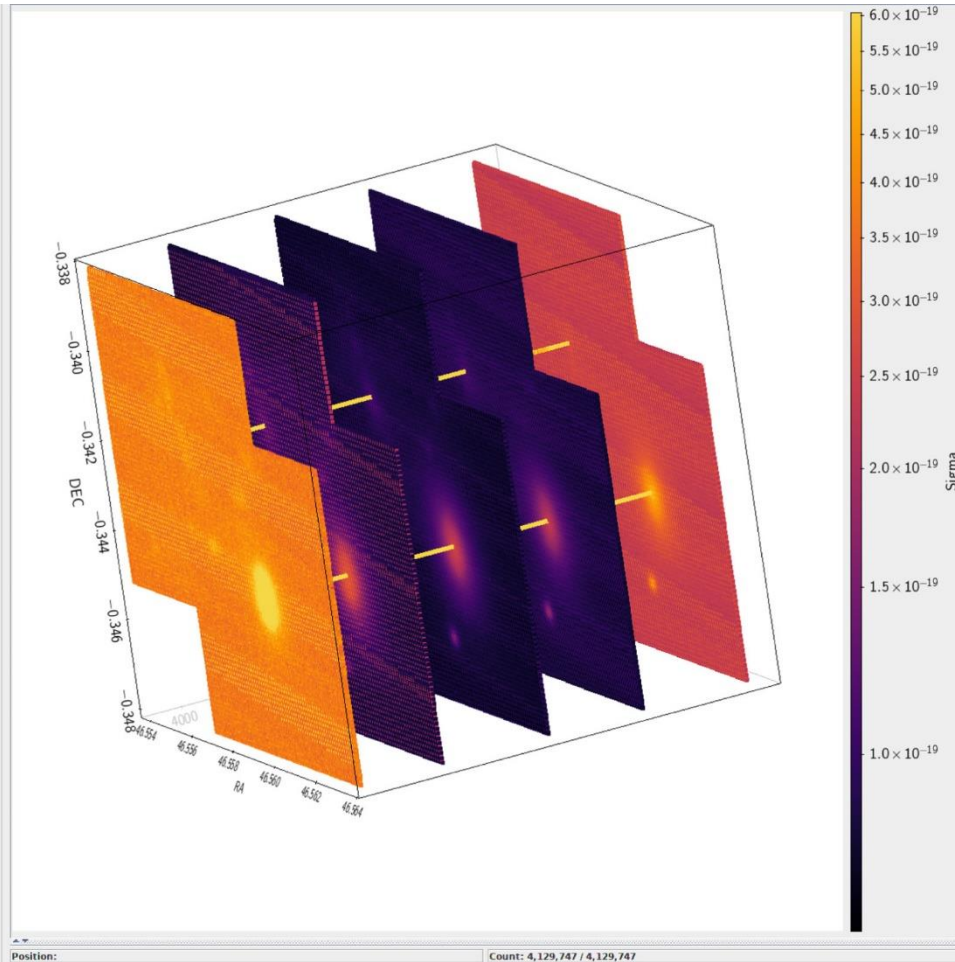
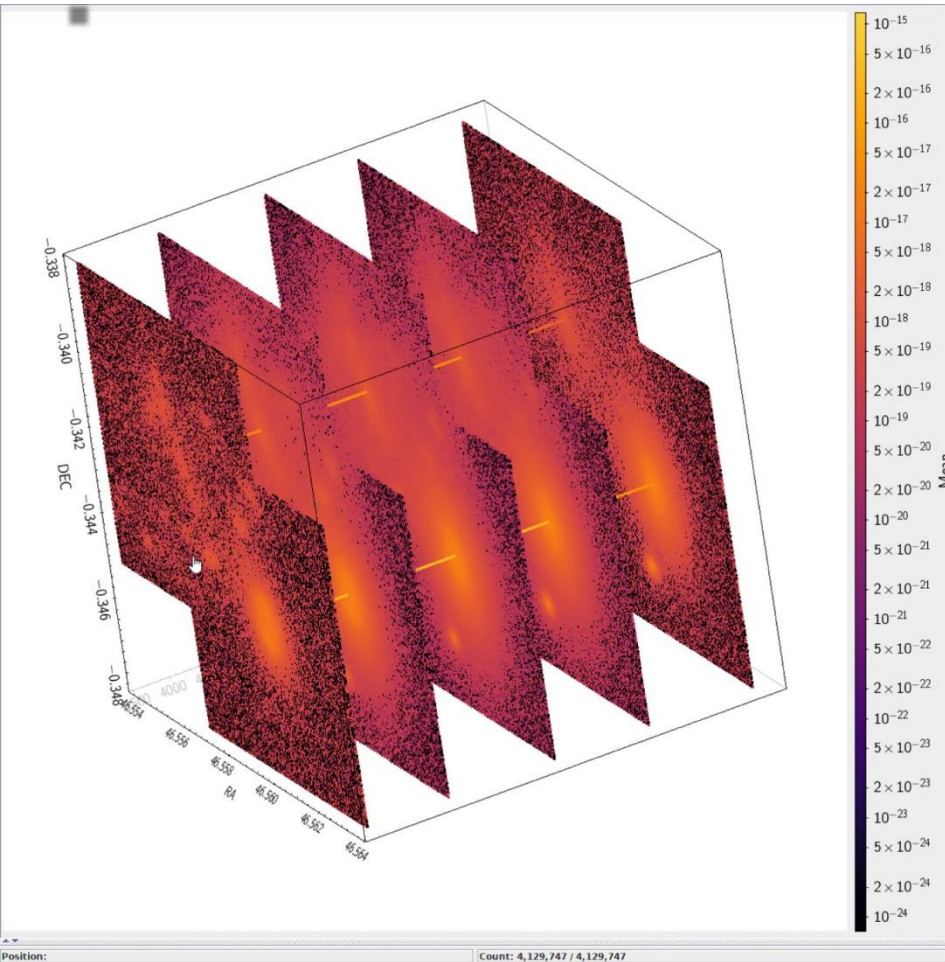
# Hierarchical Semi-Sparse data cube



# Hierarchical Semi-Sparse data cube

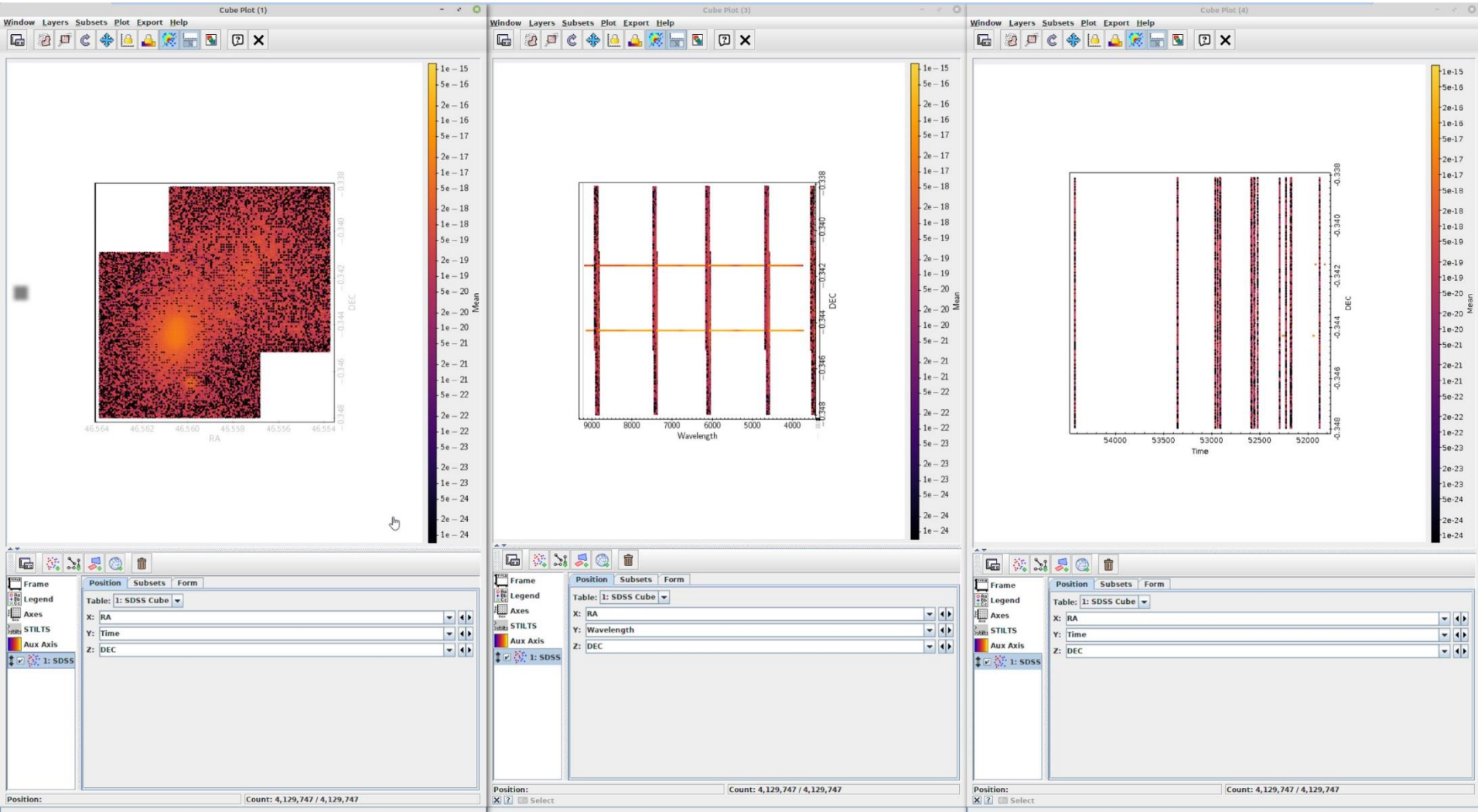


# Demo

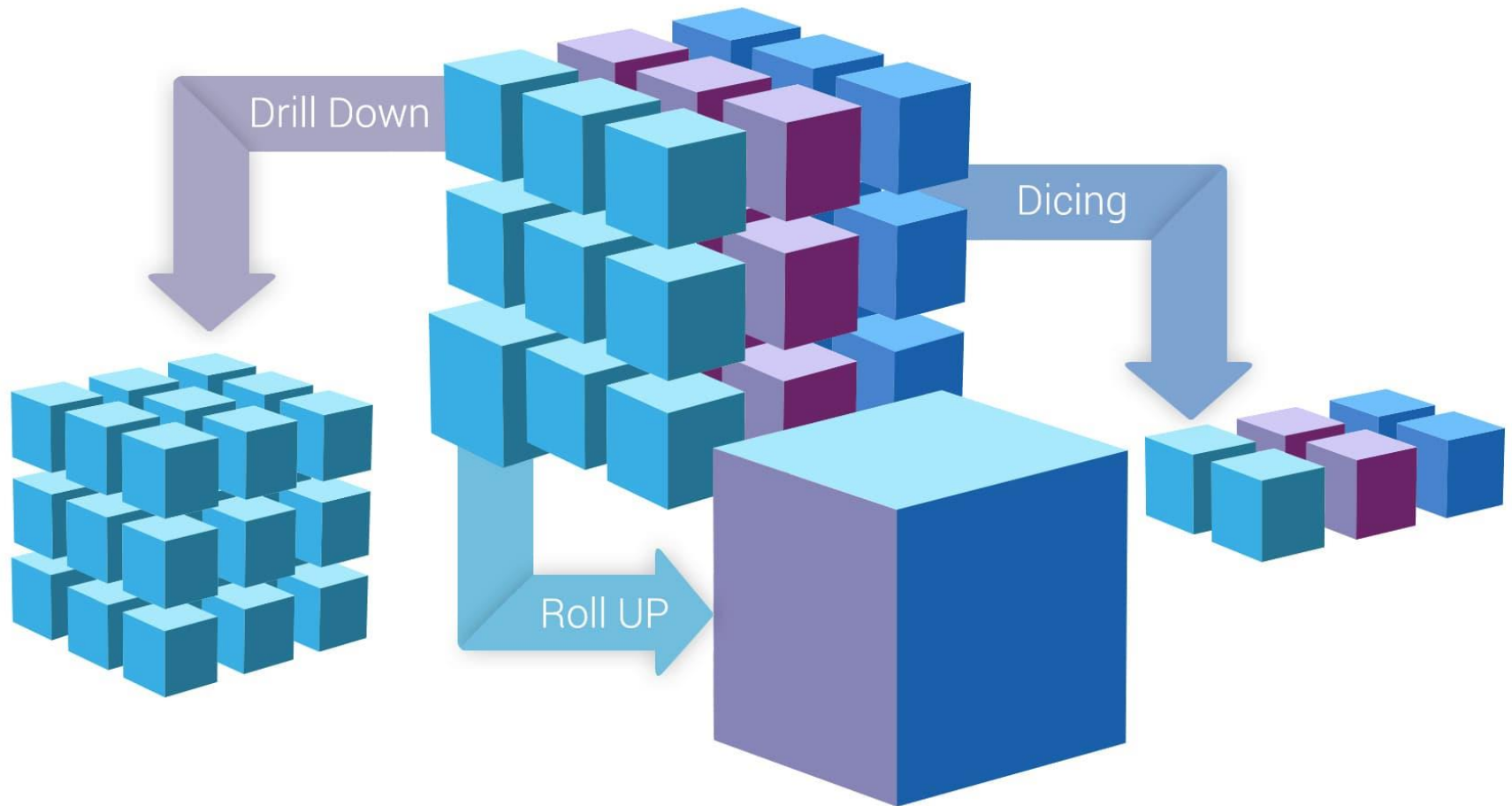




# Demo



# Data cube operations



# HDF5 “connectivity”

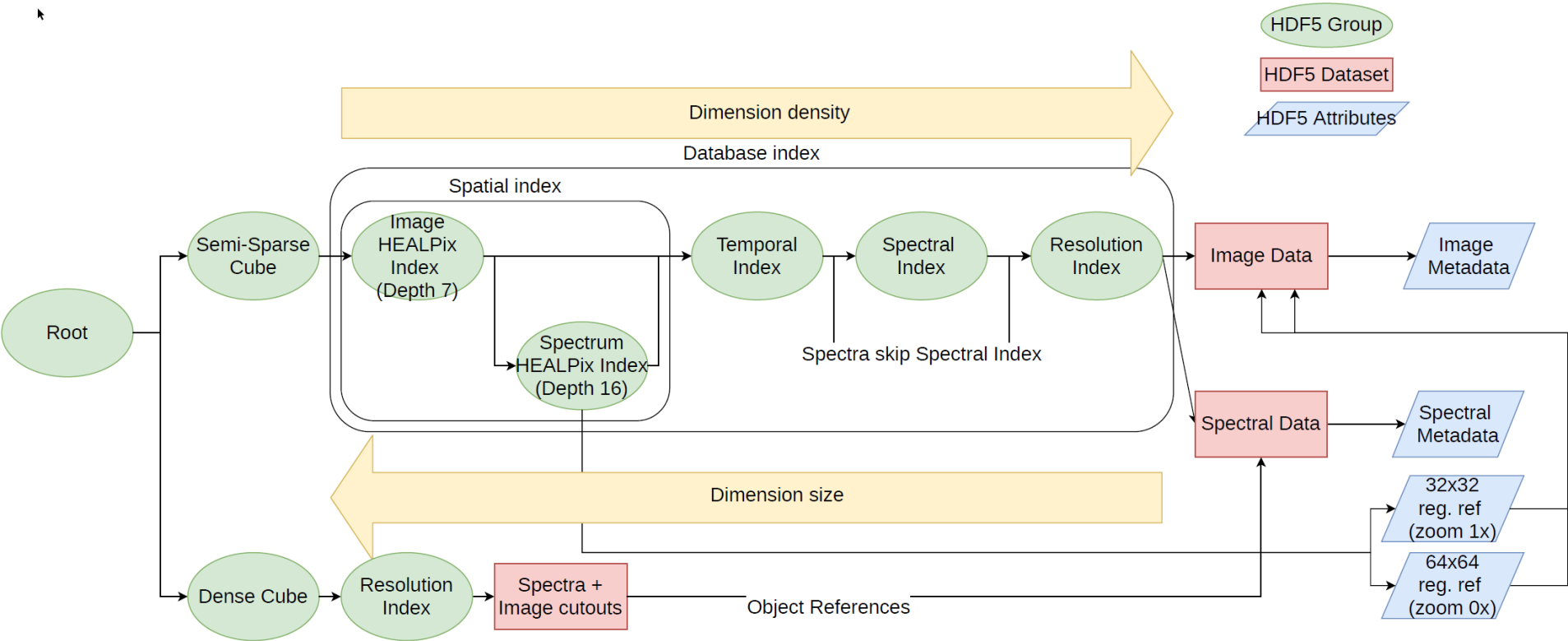
- Generic queries
  - Geometric queries (cone search, rectangular search, etc.)
  - Basic filtering queries (time, spectral intervals, ...)
- Cube-specific queries
  - Slicing
  - Roll up, drill down

# Options

- Web services
  - SCS + datalink?
  - TAP? ([HDFgl](#))
    - Look into possibility to extend ADQL
- SAMP (current)
  - Unlimited options, but...
  - Limited to python framework (maybe PyVO?)
- Your options



# Backup slide - HDF5 data model



# Thank you!

[HiSS cube A&C article link](#)



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