

# Efficient Access to Raw Measurements and Processing Coefficients for NPOESS Preparatory Project (NPP) and Joint Polar Satellite Systems (JPSS) Sensor Data

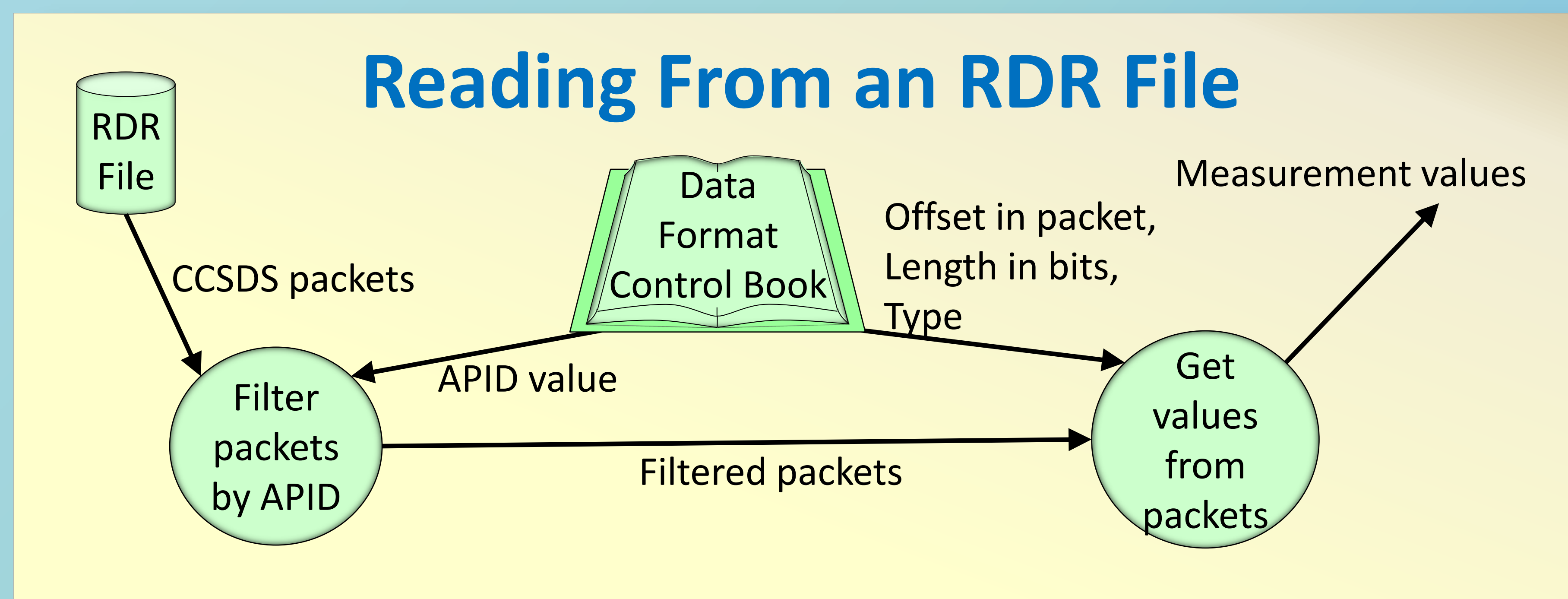
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## Problem

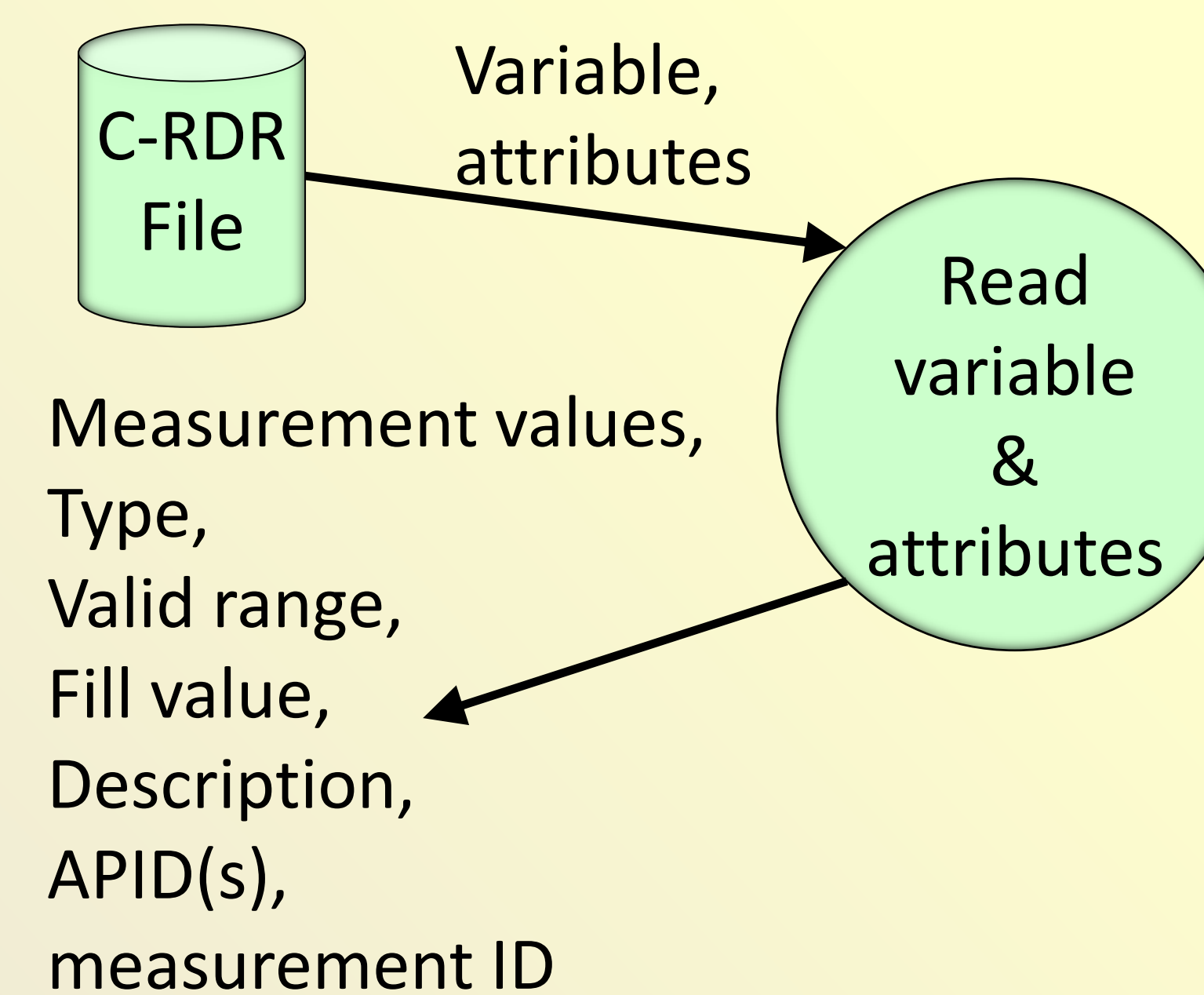
- Raw satellite sensor data are difficult to obtain and difficult to use
- Production of Climate Data Records (CDRs) using data from NPP sensors will require repeated reprocessing from raw sensor data



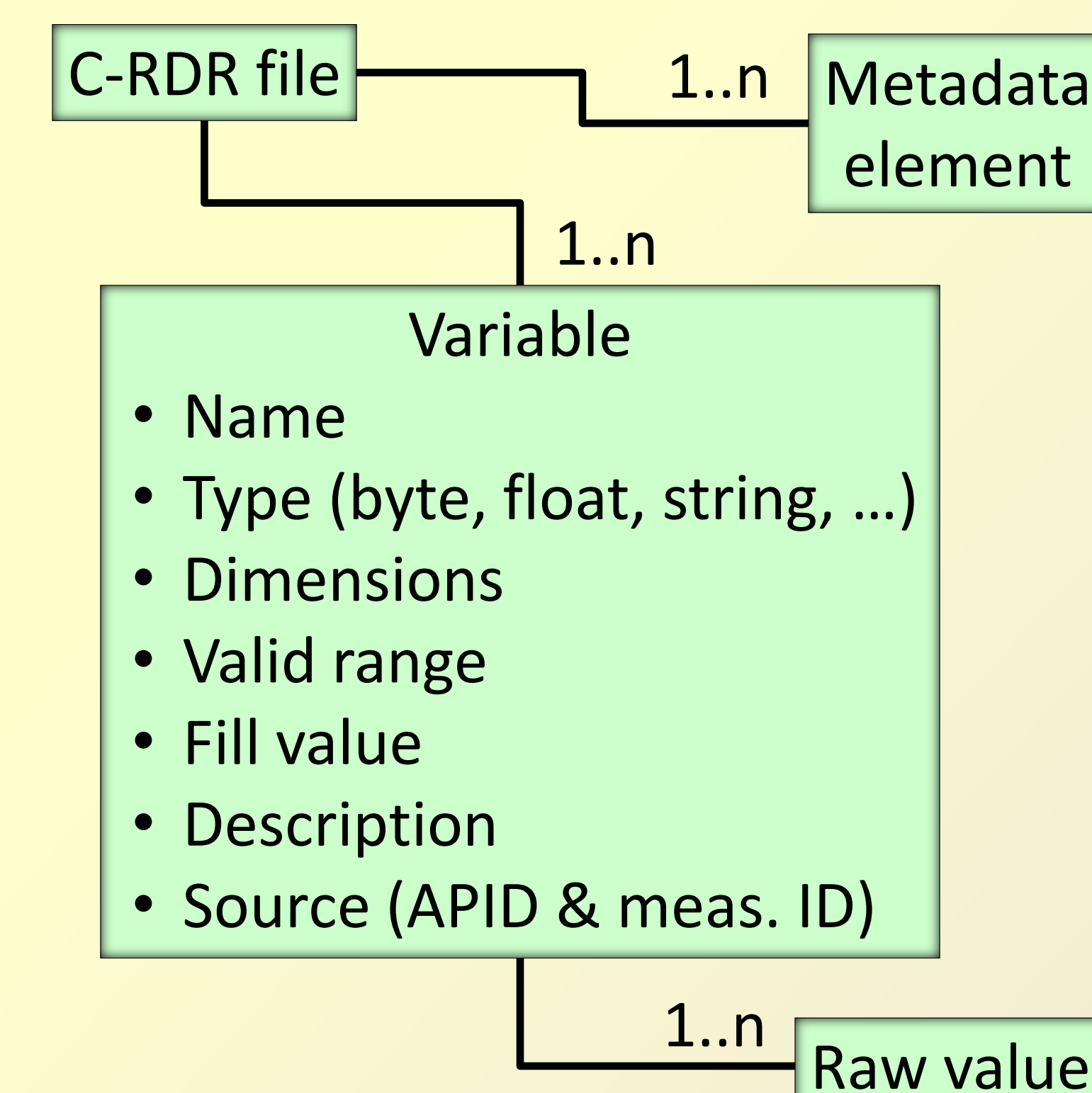
## Approach

- Create NPP Climate Raw Data Record (C-RDR) products that contain uncompressed raw data values organized by measurement
- Use the netCDF-4 self-describing binary file format to make the data more accessible
- Include usage and preservation metadata to make the measurements more understandable (conforms to CF Convention and ISO 19115-2)

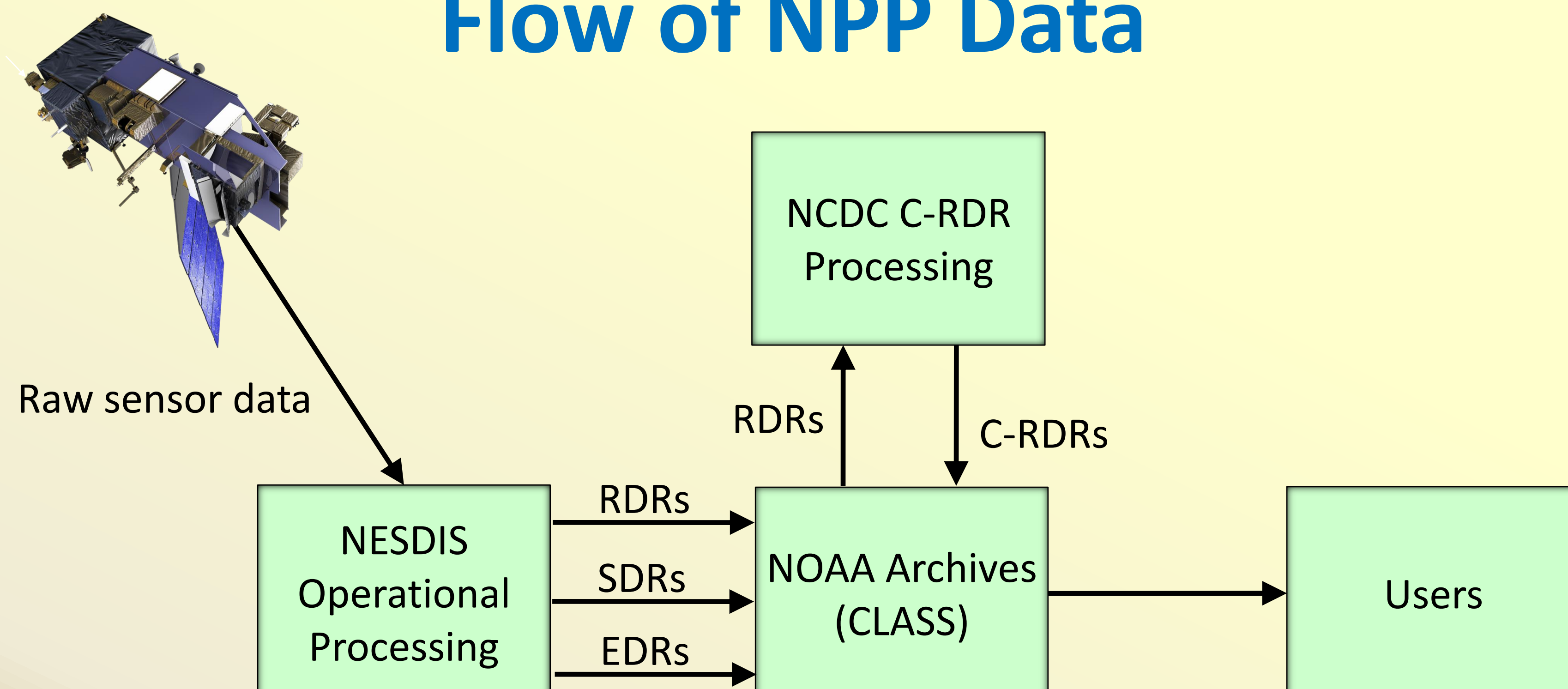
## Reading From a C-RDR File



## C-RDR Structure



## Flow of NPP Data



## Result

- C-RDRs will be produced for the ATMS, CrIS, OMPS-NP, and VIIRS instruments on the NPP satellite
- Will be available through the NOAA Archives

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