

```
tl;dr
// Global attributes
aggregation_id="NCEP/NAM_211_2005-05-24_12Z"
aggregation_naming_authority="edu.ucar.unidata"
```

Connection info:

CG1 Room 2603 - [https://plus.google.com/hangouts/\\_/ucar.edu/nc-cf-cg2603](https://plus.google.com/hangouts/_/ucar.edu/nc-cf-cg2603)

- What should CF be doing to make aggregations (at the direction of a human or automatically by software) easier
  - CF aggregation rules written by David and Jonathan. These are purely metadata based and work for any aggregation axis for \*any\* CF compliant variables(!), as they follow a data model for CF (<http://cf-trac.llnl.gov/trac/ticket/78> )
  -
- What is the universe of desired aggregations
  - Timeseries aggregations
  - Union aggregations
    - Essential variables not in file but need to be brought together (external\_variables attribute currently restricted to cell\_measures <http://cf-trac.llnl.gov/trac/ticket/145> )
  - Ensemble aggregations
    - Clarify how CF should identify ensemble members
      - Ensemble axis may be in cf 1.7 (<http://cf-trac.llnl.gov/trac/ticket/142> discussion not yet concluded, but it seems close!)
  - Forecast model run collection
    - Require forecast initialization time in CF
  - Spatial aggregation (tiles)
    - Will want to be more fluid than other aggregation types
    - Close interaction with geoscience file experts needed
  - Collection-level aggregations (in situ data)
    - Solved issue in ERDDAP
    - Would need to offer guidance to in situ data providers on how this should be properly used
  - Suitcase (heterogeneous stuff)
    - Use case: different featureTypes in the same file but probably better handled by groups
- What metadata should be in files to make aggregations as robust as possible?
  - Attribute listing other attributes that identify an aggregation

- // Global attributes  
:aggregation\_attributes: "source author forecast\_time"
  - **\*(The Winner)\*** Consider using [ACDD conventions](#) id and naming\_authority. "id" applies to a "dataset" so we use aggregation\_id.
    - // Global attributes  
aggregation\_id="NCEP/NAM\_211\_2005-05-24\_12Z"  
aggregation\_naming\_authority="edu.ucar.unidata"  
(Notes: The aggregation\_naming\_authority is almost always generated by reversing the parts of the domain name of the group defining the aggregation (usually the creator). The aggregation\_id identifies the dataset that this subset (e.g., this file) is a part of (if the dataset were aggregated); it is recommended that this be human readable/informative, and generated from a terse description of the dataset, e.g., model name, parameters, and version number or run time. The combination of the attributes **MUST** be a globally unique dataset identifier for an aggregatable dataset. These are a way for the creator of the dataset to offer guidance to a person or software that wants to literally or virtually re-assemble (aggregate) all or part of the dataset. They are recommended, not required. This information does not preclude other ways of aggregating the data.)
- Nothing - Aggregation defined (by existing global and variable attributes) at aggregation time, not at data production time

## Action Items

- Bob Simons - Put these ideas through CF track and discussion guidelines