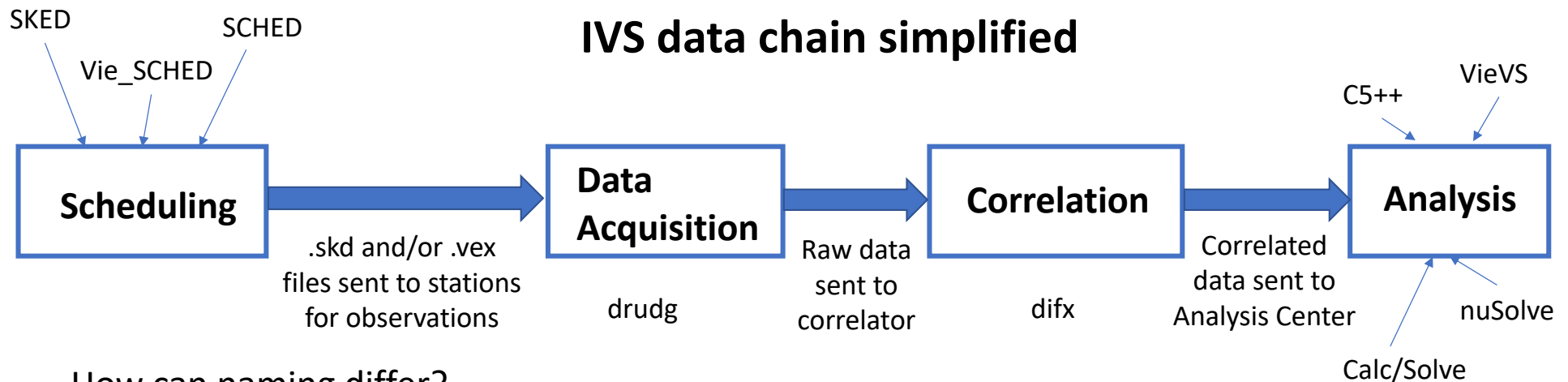


Consistency of naming in stations and sources



How can naming differ?

- Software packages and associated catalogs used were initially developed for different purposes in different communities (astronomy / geodesy);
- Catalogs may be internally modified when new needs arise like the addition of new stations, new recording mode, new source of interest,...
- The most recently updated catalogs are not systematically used.

The names in the schedule file are propagated to the analysis level.

Consistency of naming in stations and sources

In vex file:

```

*-----
$STATION;
*
def Ho;
  ref $SITE = HOB_DBBC;
  ref $ANTENNA = HOB_DBBC;
  ref $DAS = 2DBBC+MARK5B<;
enddef;
*
def Yg;
  ref $SITE = YARRAGAD;
  ref $ANTENNA = YARRAGAD;
  ref $DAS = 2DBBC+MARK5B<;
enddef;
*
def Ww;
  ref $SITE = WARK12M;
  ref $ANTENNA = WARK12M;
  ref $DAS = 2DBBC+MARK5B<;
enddef;
*
def Wa;
  ref $SITE = WARK30M;
  ref $ANTENNA = WARK30M;
  ref $DAS = 2DBBC+MARK5B<;
enddef;
*
def Hh;
  ref $SITE = HART;
  ref $ANTENNA = HART;
  ref $DAS = 2DBBC+MARK5B<;
enddef;
*
def Ht;
  ref $SITE = HART15M;
  ref $ANTENNA = HART15M;
  ref $DAS = 2DBBC+MARK5B<;
enddef;
*
def Ke;
  ref $SITE = KATHERIN;
  ref $ANTENNA = KATHERIN;
  ref $DAS = 2DBBC+MARK5B<;
enddef;
*
def Ti;
  ref $SITE = DSS34;
  ref $ANTENNA = DSS34;
  ref $DAS = 2NONE<;
enddef;
*-----

```

AUA026

In Masterfile:

Ho **HOBART26**

Yg **YARRA12M**

Ww **WARK12M**

Wa **WARK30M**

Hh **HARTRAO**

Ht **HART15M**

Ke **KATH12M**

Ti **TIDBIN64**

Session	SCHED / vex.file	Calc/Solve analysis
AUA026	0851+202	OJ287
	1048-525	1048-526
	1245-457	1245-454
AUA025	0851+202	OJ287
	1323-526	1323-527
AUA032	0851+202	OJ287

Consistency of naming in stations and sources

- If the names in the schedule differ from the list of reference names used by the analysis software package, the analyst manually changes them before the analysis to make the names in the database consistent.
- ATTENTION! It is not that simple for sources. A different name could be interpreted as a new source.
- Source names:
 - Many existing catalogs: some are dependent on the software package used (source.cat for sked, blokq for Calc/Solve), some are internal, some are publicly available (OCARS from Z. Malkin), some are website databases (The Bordeaux VLBI Image Database, NASA/IPAC Extragalactic Database).
 - IVS Analysis Coordinator website: https://vlbi.gsfc.nasa.gov/output/IVS_SrcNamesTable.txt
- Station names:
 - Dependent on the software package used (position.cat for sked), ITRF,...
 - Conventions used in the master file (IVS website):
<ftp://cddis.gsfc.nasa.gov/pub/vlbi/ivscontrol/ns-codes.txt>
- What should we do to avoid this? Should we all adopt the same conventions? If yes, which catalogs should we use?