

Possible AsdmStMan

◆ Idea

- Create a *new read-only Table StMan for the ASDM Binary Format*
- In this way, *make it possible to have the Main table of an MS be stored on disk in ASDM Binary Format*
- ASDM2MS filler doesn't convert the Main Table but *just moves the binary table file into the MS directory*
- Completely transparent for all other parts of CASA (*first split would convert to normal Storage Manager*)

◆ Advantages

- 1) ASDM2MS filler would become a **factor 10 faster**
- 2) Users of ASDM and SDM data would need **50% less disk space** for their data because the Main Table would just be moved, not copied!

◆ Disadvantages

None.

◆ Proposal

Michel and Dirk visit Ger at JIVE to further investigate this.

Possible AsdmStMan

- ◆ Easiest to only do it on main table
 - ⊕ Subtables have many columns, hence a lot of code for little purpose
 - ⊕ Maybe some (time dependent) subtables in future versions
- ◆ Saves a lot of extra disk space and conversion time
- ◆ Take care of
 - ⊕ Optional byte swapping
 - ⊕ Fast access on columns like TIME for fast sort/iterate
 - ⊕ Version number (for future developments)

AsdmToMS could:

- ⊕ Create and fill subtables in normal way
- ⊕ Create main table and bind columns to AsdmStMan
- ⊕ Create a meta file telling location of ASDM file

Main questions

- ⊕ Is ASDM file randomly accessible?
- ⊕ Is tiled data organization needed for particular access patterns?
- ⊕ Can VisIter deal with AsdmStMan?
 - Does it require a tiled storage manager for DATA to create MODEL_DATA column?