iTelcal and Flagging

Overview

Modcomp-based

Modcomp-less

Future

Flagging

Interim Telcal

Overview

iTelcal provides realtime feedback for controlling the array

iTelcal processes special observations to determine pointing, delay, or focus errors in real time

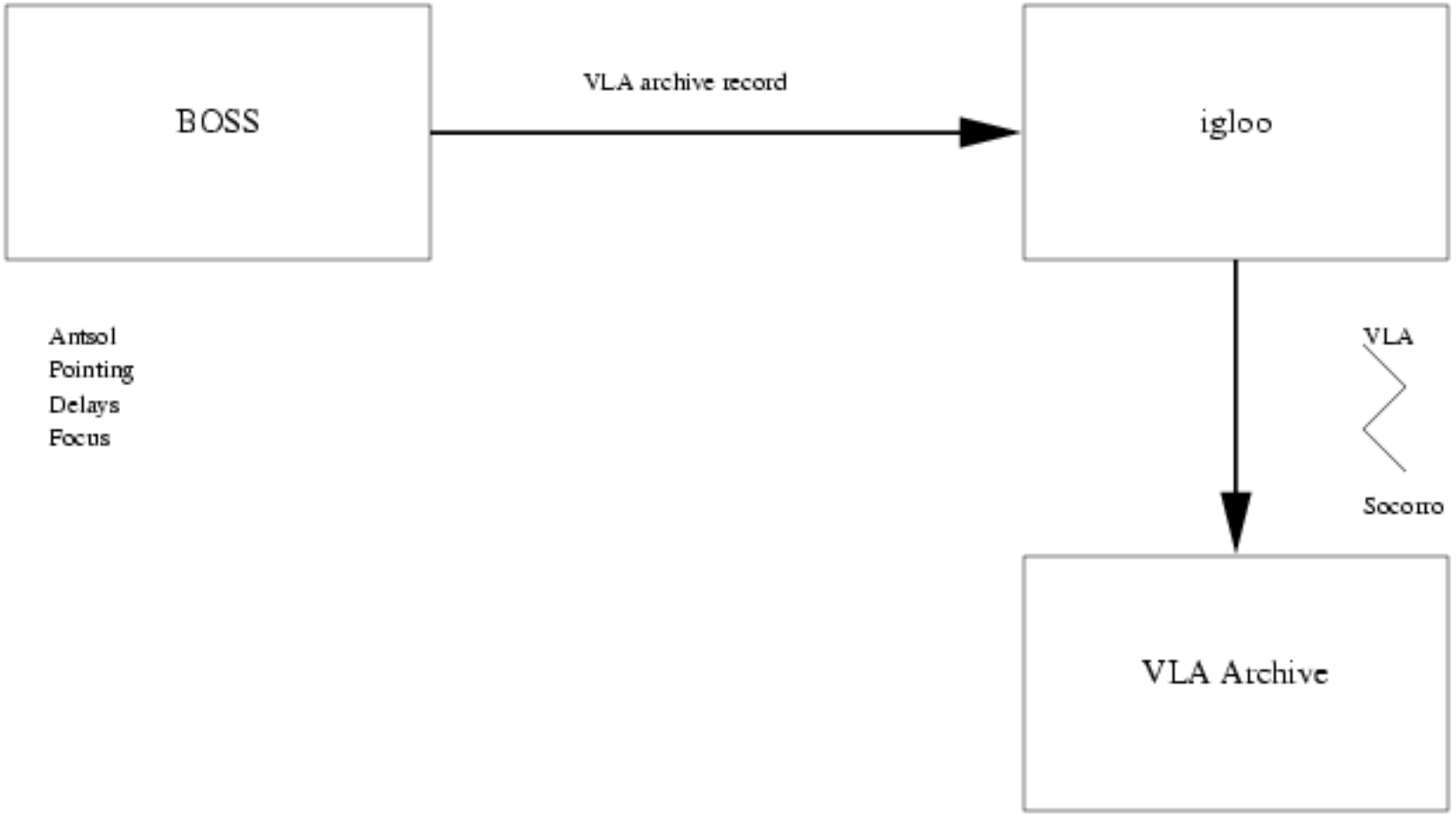
Results are broadcast

- Currently caught by executor and display functions

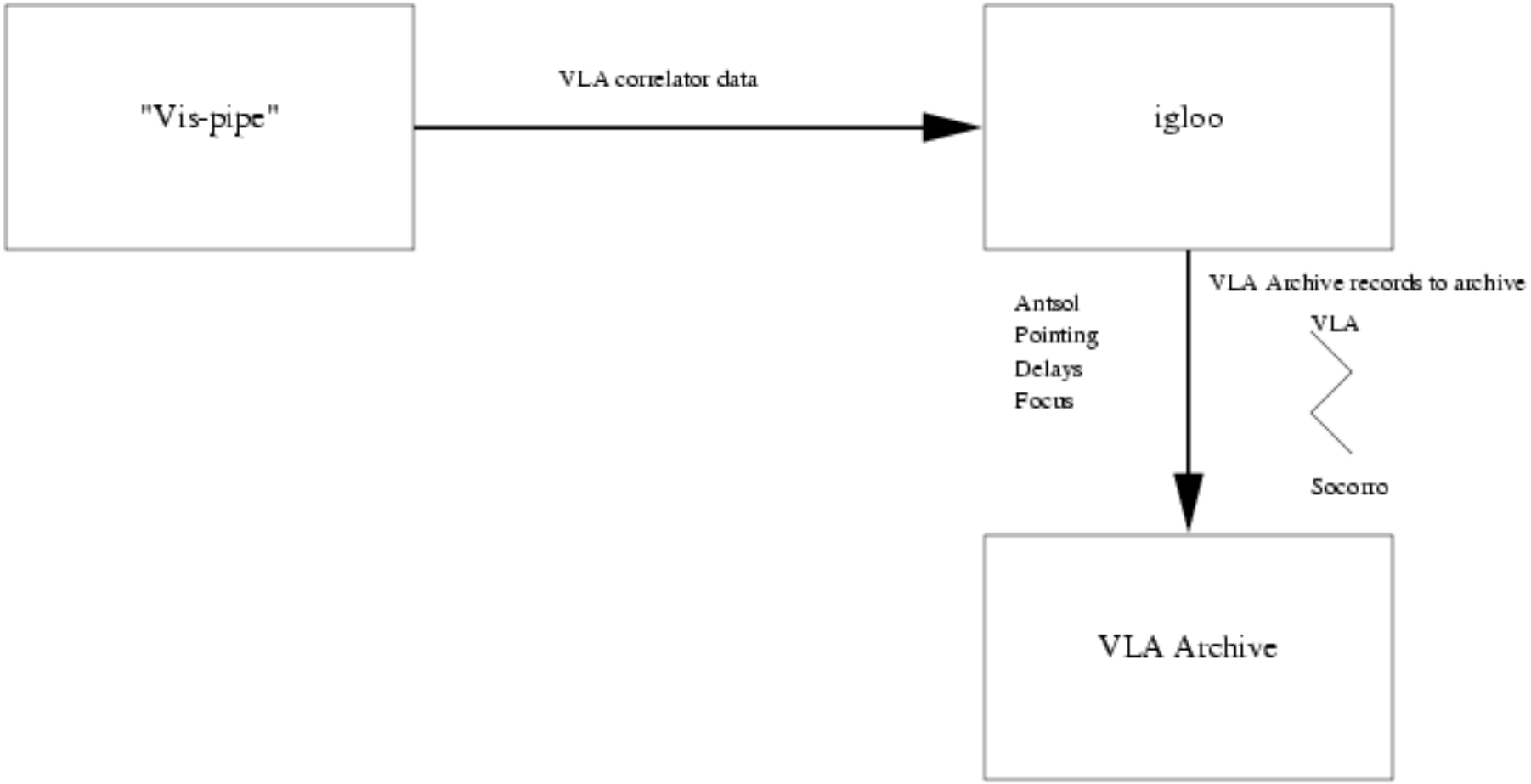
Pointing run results written to a file identical to that expected by the pointing model solver, peek

iTelcal provides updated values for the parameters DB

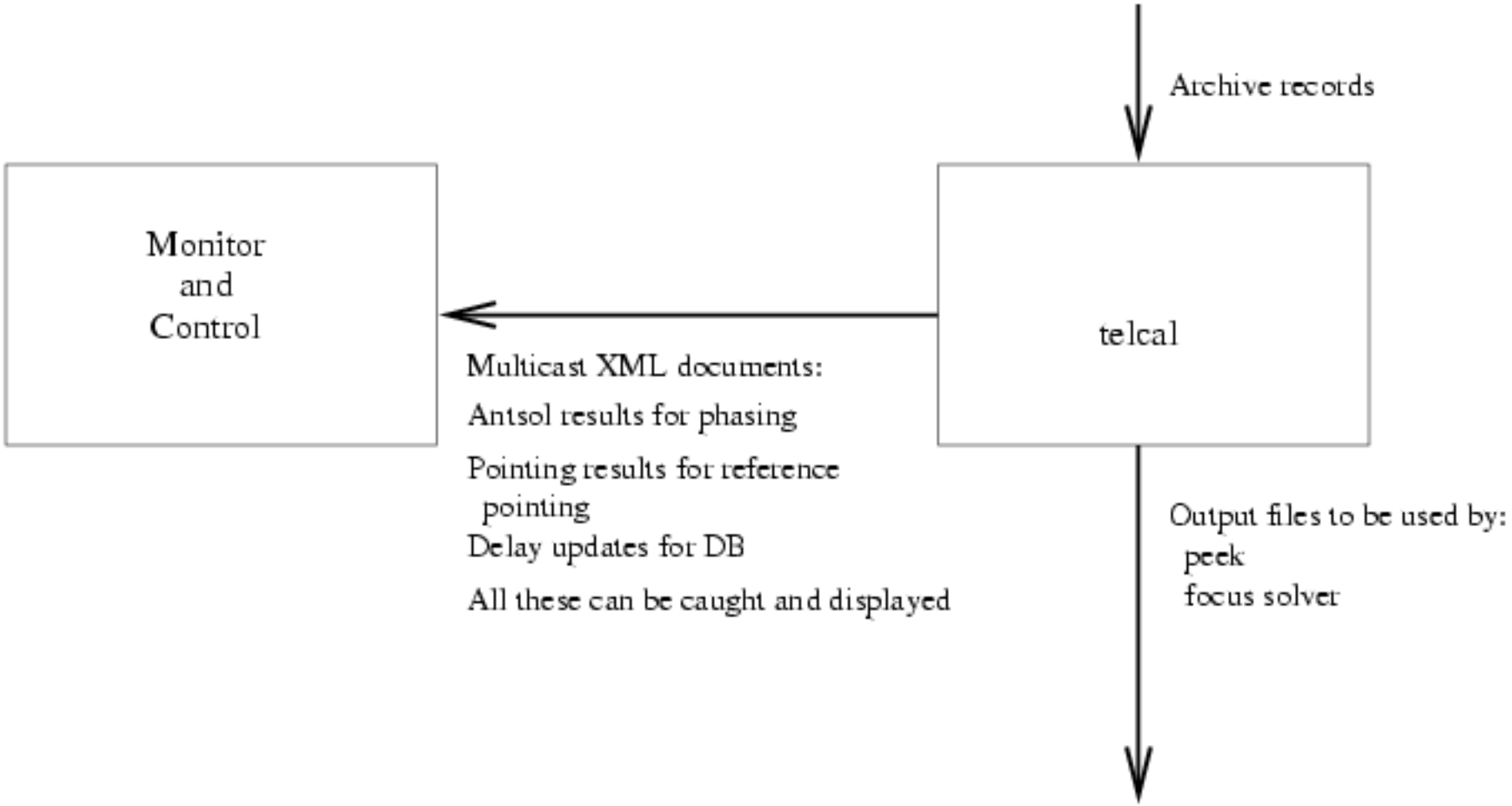
Visibility Data Flow for the Current System



Visibility Data Flow without the Modcomps



Interim Telcal Organization



Interim Telcal

Future work

Finish it up. currently Antsol and pointing in routine use.
Delays and focus work, but not in routine use.

Consider using a model in Antsol to provide more flexibility
in choice of calibrators

Solve for delays if in line mode and correct the continuum channel
before Antsol sees the data.

The pointing solver, as written, is not easily adapted to arbitrary
pointing patterns.

When Modcomps retired consider bundling the model solvers
into telcal.

Flagging

In the current transition system there is a process which intercepts alert multicasts from MIBs and sends them to the Modcomps which includes the information in the flags generated in the archive record.

In the Modcomp-less transition system the generation and recording of flags in the archive record will be done in iDcaf, which has already been described.