WURM, 27-01-2020 14:00

Present Aard, eBob, Des, Ilse, Harro

Aard: SFXC crashes due to "invalid message" at start of last week's
e-VLBI can not be reproduced. Did not happen since, decided for no
active search for background so remains unresolved. Got "radiopadre"
to work - a bit. eee-dev's singularity did not work with 'shub',
after upgrade eee-dev's singularity from 2.4 to 2.6 it does. Out of
three radiopadre runmodes (singularity, docker, virtual env) only
the last one works (i.e. 'shub' probs did not cause radiopadre
#FAIL). Would be nice to have tooling to inline carta's HTML/js
(Ilse: in CASA User Committee it was mentioned this exists). jive5ab
now installed on FRB machine, data copied, then machine died. Looked
into running 4 Gbps real time correlation, last done 10 May 2017.
runjob can handle 2 x 2 Gbps jobs, FiLa10G init scripts lost - maybe
MarkK knows. The ringing in SFXC spectra depends on delay-tracking
FFT size. Continue to investigate/understand using synthesized
signal.

eBob: There is a prototype ANTAB editor under anaconde on
archive.jive.nl. Will attempt to make runjob VEX2 capable for 4 Gbps
test (multiple streams / station), Des will help where/when
necessary. Remaining tools not VEX2 clear yet: log2vex and j2ms2.
"ssh" problems happened again the past week, hypothesis: related to
NFS problems?

Des: Found a better approach for wideband fringe fit than brute
force. Checked in, was tested on good data, want to test on marginal
SNR EHT data (check with MichaelJ). Got "symba" to run using
singularity despite latter's best efforts to thwart. Check with
MichaelJ for correct inputs to get correct inputs. Regression tests
for the dispersive fringe fit using P-band data are done. Making
progress on closure-based source model fringe fit seed (singularity-
based software ...)

Ilse: Working on EVN pipeline, discussing with Aard, Benito and
Tammo Jan D. Working on Bussloo public lecture and RadioNet proposal
for CASA-VLBI workshop autumn '20 in Dwingeloo. Will most likely not
be able to attend EVN symposium - still need proper JIVE science
representation.

Harro: Branch in jive5ab to output VDIF (in stead of legacy VDIF)
out of the cornerturner