WURM, 10-9-2019, 11.00

Present Mark, eBob, Des, Aard, Arpad

Mark: fixed bugs in SFXC related to sub-integrations. Still needs to look at Tsys output and at performance. Extend regression test (right now shell script that runs automatically on test cluster, deletes everything, builds, runs tests on 4 expts, compares results).

eBob: Mergin catalogs. Many changes to catalogs, mostly done. Now go back scan-exp, which specifies which expt scan belongs to. Support scientists are using pySCHED. Maybe do a merge once per month, automatically?

Des: working on Casa. Infrastructure to turn parameters on and off in LS solver. Needs testing. Michael found a memory leak in his version, fixed one. Need to test if that solves it. Maybe work a bit on IAU 100.

Aard: found that hyperthreading was on on several nodes. Turned it off (via web interface). There seem to be different firmwares on the different chassis. Arpad: put in a ticket for Paul. Tried to optimise correlation of >750 phase center expt. First, 15 * real time. Many nodes doing nothing. Subintegrations: much worse, like single node. Bigger buffers on output node, now 8 * real time. Sub integrations have to be made possible in runjob, eBob. Primary beam correction: appears that pipeline is using num-array, which does not exist anymore. Aard will fix this, Benito should test it. Then finally beam correction. Ovex work done, send to Maria.

Mark: took a look at the environment that Oleg talked about last week, radio padre (?). Could be very useful for online fringe plots during eVLBI