**Matlab EMTF Prototype Update by Gary**

10/13/20

matlabPrototype\_10-13-20.tar comes close to emulating EMTF, as it is now configured. It has been tested on only a few MT sites (of course) but it works pretty well and while there are some significant differences in program structure, I believe it now does something pretty close to what EMTF does. It also could easily (by me at least) be configured to do a lot of other things, which I think will be useful in the future.

I tried to build this so it would handle the sort of "burst" sampling used in the wide-band systems (i.e., sample at high rate for 1 second, once every minute--something like that). But aside from merging multiple long period runs into a single file (to emulate multiple blocks of data with gaps) this has not really been tested, and I would probably want to at least configure the driver differently for that. As it happens, I have just gotten some Phoenix files with this burst sampling, so sometime over the next weeks I will try that out also.

Of course there are sure to be bugs, which will show up when some new use is tried! But these would probably be easy (for me) to fix.

I did not include test files in this -- I moved those into a separate directory because raw data files, an all intermediate files, take up hundreds of Mb.