

FORTH Command Cheat Sheet

List all commands (stuff) and variables (Defines):

words

Print value of a variable (use di dot):

<variableName> di.

Examples:

VERSION di.

magr di.

Search in command/variable list:

grep <searchString>

Setting a variable:

<variableName> <number> set

Example:

positionrate 0 set

Setting an array (put F in front of floating point values):

<variableName> array[<startIndex> <endIndex> <sequence of numbers>]array set

Example:

pf array[0 2 F7.0 F8.0 F9.0]array set

Database dump:

save_mask d.on

db.print

Print calibrated acceleration data:

1 accel.p

Resulting data format is:

A:<timestamp, ms>, X, Y, Z

To stop it:

Hit the control-s key to inhibit printing

0 accel.p

Hit the control-q key to enable printing (you may do another print command before this)

Print calibrated magnetometer data (stop similar to acceleration data):

1 mag.p

Resulting data format is:

M: <timestamp, ms>, X, Y, Z

Print calibrated gyro data (stop similar to acceleration data):

1 gyro.p

Resulting data format is:

G: <temperature>, X, Y, Z

Abbreviating a variable name:

: <NewVariableName> <OldVariableName> ;

Example:

: pf protected_factors3 ;

Extracting the configuration data:

save_mask d.on

0 eeopen(open a log file in tera term before hitting enter)<CR>

....

stuff flys by

(close log file)

Edit log file and take out the final OK.

To restore the configuration data:

Configure Tera-Term for 5 msec line delay.

Install the WREN jumper.

Use the terminal emulator to send the file that was captured.

Enter the following:

save

remove WREN jumper after 5 seconds.