

RK05 PERFORMANCE EXERCISER

ABSTRACT :

This program simulates a operating system running on RK05's and checks for errors that arise in such an environment. It uses overlapped seeks with polling the drives etc. This test expects a good formatted scratch pack on all drives to be tested. It can test up to 8 drives all together. One pass can take from 30 to 90 minutes.

Before running this test make sure ZRKJ??, ZRKK??, ZRKL?? and ZRKI?? (utility package / pack formatter) run with no error.

OPERATING PROCEDURES :

.R ZRKHG0

SA=200 normal starting (writing first data pattern)

SA=210 restart address, go straight to exerciser and skips test 1-7

SWITCH SETTINGS :

SW15= 1 halt on error

SW13= 1 inhibit error typeout

SW12= 1 type out the error history

SW11= 1 dump out all RK11 registers

SW10= 1 ring the bell on error

SW09= 1 loop on specific error

SW08= 1 dump out transfer data and error statistics

SW06= 1 select bus address limits for data transfers

SW05= 1 halt before doing the next set of commands

SW04= 1 do not rewrite the disk on 210 restart

SW03= 1 type out elapsed time at error

SW02= 1 drop drive after maximum errors

SW01= 1 type serial number of erroring drive

SW00= 1 type only elapsed time if SW08 and SW03 = 1

use "CONTROL G" to enter software SWR at loc. 176