



# DECUS

## PROGRAM LIBRARY

DECUS NO.	12-44
TITLE	AVERDT
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SOURCE LANGUAGE	LAP6-DIAL



## AVERDT

DECUS Program Library Write-up

DECUS NO. 12-44

### GENERAL DESCRIPTION

This program is good for measuring readiness potentials. It will average analog data with delayed trigger. The delay can be up to  $400_8$  points. The program reads EEG data continuously until the trigger pulse is read. Then it saves the previous X points and reads enough more points to make  $400_8$ .

### LOADING AND STARTING INSTRUCTIONS

1. Mount NU Binary Tape
2. Read in DIAL: 0701-7300, I/O, DO, Start 20
3. Linefeed
4. Type "LO AVERDT, 0" then press return
5. Write Enable and Remote must be set on Unit 1

### TELETYPE PARAMETERS

1. Name, Date
2. Address Delay 0-377 in Octal
3. Epoch - Number of seconds from 1-7, usually 3
4. Number of Channels  $< 7$
5. Number of Trials: 1,  $\bar{2}$ , 4, 8, 16 or 32 only
6. Start at Tape Block 0 to 777
7. Stimulus delay in Octal so that address delay plus stimulus delay  $\leq 400$
8. Threshold level = 1-777 for analog line 0 for sense line

### RELAYS

- 0 - Waiting for trigger
- 1 - Reading baseline and first x points
- 2 - Stimulus probe
- 3 - Tape write in progress
- 4 - Not in use
- 5 - Trigger pulse received, completing epoch

### SENSE SWITCHES

- 0 - Channel Display
- 3 - Up to Display data - Vertical bar indicates location of trigger
- 4 - Up to write data on tape
- 5 - Up to eliminate Tape Check

## LEFT SWITCHES

Controls location of vertical bar in display

## KEYBOARD INTERRUPTS

- CRTL and D - Return to DIAL on Tape Unit 0
- A - Change address delay parameter
- C - Cancel trial now in progress
- E - Change epoch
- N - Change No. of Trials
- S - Change stimulus delay
- R - Restart N trials
- T - Change Threshold level

## ADDITIONAL FEATURES

1. Averaging of 1, 2, 4, 8, 16 or 32 trials
2. Display of averaged data on scope, trigger location indicated
3. Writing averaged data on tape
4. Stimulus Probe can be briefly turned on after the trigger signal
5. Keyboard interrupt to cancel a trial or change parameters