

INTERFACE OPTIONS

THIC

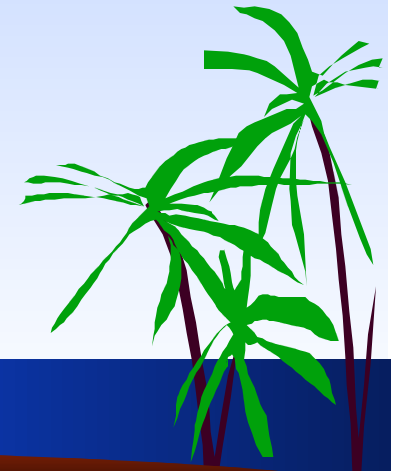
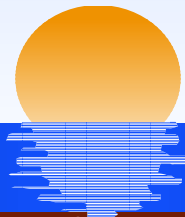
APRIL 2, 1996

STEVE HOFF

LORAL DATA SYSTEMS

AS A VENDOR OUR GOAL IS TO:

- CONNECT TO THE SOURCE EASILY
- BE CONTROLLED PAINLESSLY
- ACQUIRE DATA ACCURATELY
- ALERT TO PROBLEMS QUICKLY
- REPRODUCE DATA FAITHFULLY
- OUTPUT TO A VARIETY OF PROCESSORS



STANDARD DV6000 FEATURES

- WRITE AT ANY RATE IN BANDPASS
- BUILT IN PRE MISSION TESTING
- READ AFTER WRITE
- BER MONITOR AND ALARM
- VISUAL ERROR FLAG MONITOR
- AUTO TRACKING



ID-1 RECORDERS IN GENERAL.....

- VERY HIGH DATA RATES
- VERY LARGE CAPACITY
- TIME EXPANSION AND CONTRACTION
- HOWEVER.....THEY ARE SINGLE CHANNEL DEVICES
- A LOOK AT HOW TO MAKE THEM MORE VERSATILE

CONTROL INTERFACES

- USER FRIENDLY FRONT PANEL

- HOST CONTROL VIA:

RS-232

RS-422

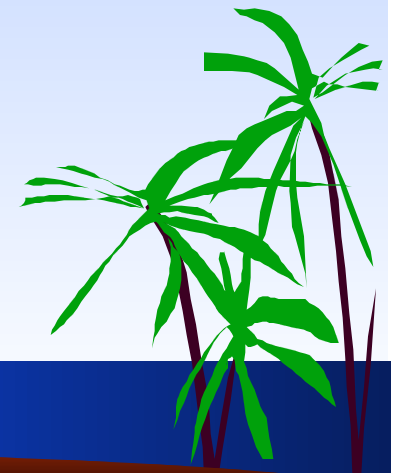
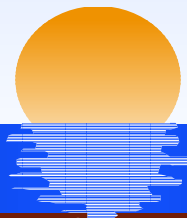
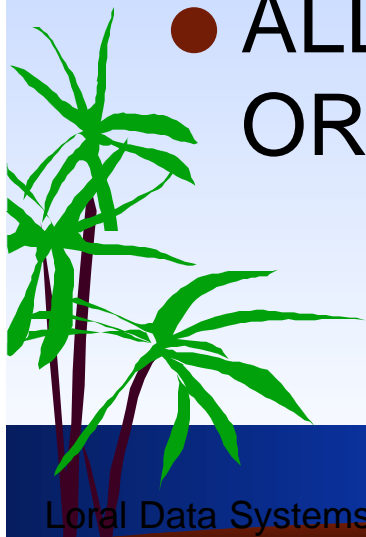
SCSI

MIL STD 1553

- ANY COMBINATION OF TWO OF THE ABOVE

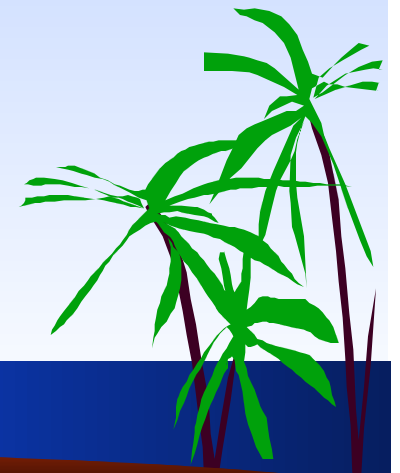
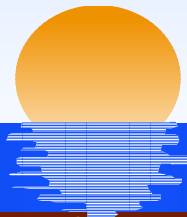
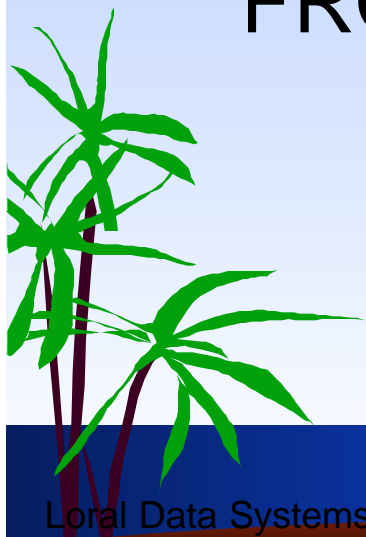
STANDARD DATA INTERFACES

- DV6400
- SERIAL TO 120 MBIT/SEC
- 8 BIT PARALLEL
- 16 BIT PARALLEL
- ALL SELECTABLE FROM I/O PORT
OR FRONT PANEL



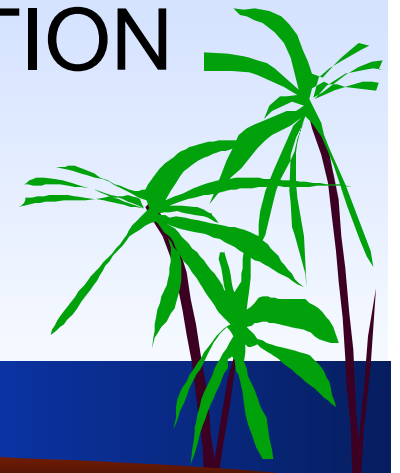
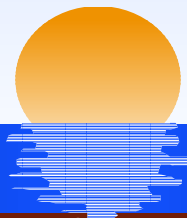
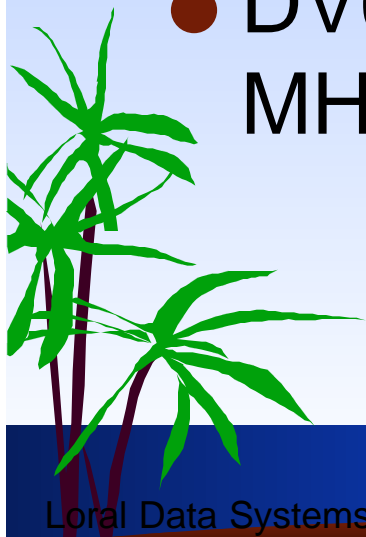
STANDARD DATA INTERFACES

- DV6800 RECORDERS
- 16 BIT PARALLEL
- 32 BIT PARALLEL
- SELECTABLE FROM I/O PORT OR FRONT PANEL



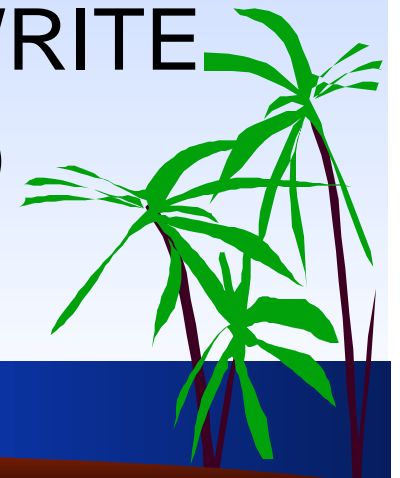
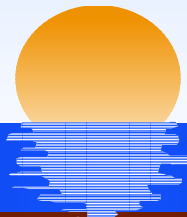
OPTIONAL INTERNAL INTERFACES

- ANALOG INPUT AND OUTPUT
- DV6400- TWO 6 MHz, OR ONE 12 MHz CHANNEL- 8 BIT RESOLUTION
- DV6800- TWO 12 MHz OR ONE 24 MHz CHANNEL - 8 BIT RESOLUTION



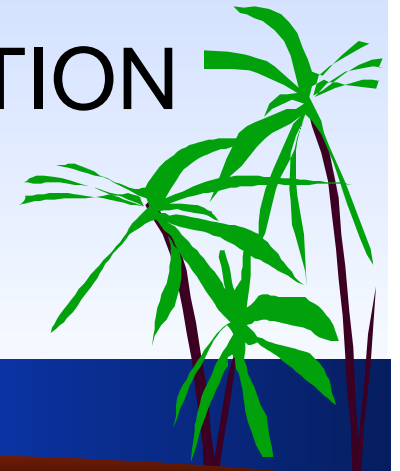
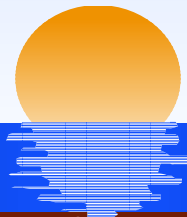
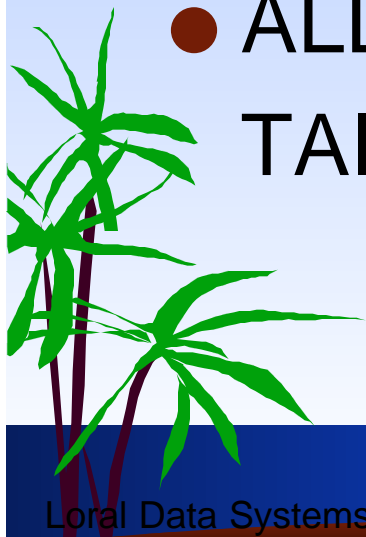
INTERNAL SIZED BUFFERS

- AVAILABLE IN 4 OR 8 HEAD UNITS
- RECORD BURST DATA: WRITE-PAUSE- WRITE MODE
- PLAY BURST DATA: READ-PAUSE READ MODE
- INSTANT RECORD: RAMP UP-WRITE
- LOW RATE PLAY: BELOW HEAD BANDPASS



INTERNAL SIZED BUFFERS

- CHOICE OF ANY RECORD RATE
- CHOICE OF 5 PLAY RATES
- CHOICE OF BUFFER SIZE.....
- ALLOWS CUSTOM CONFIGURATION
TAILORED TO USERS APPLICATION



BUS DATA INTERFACES

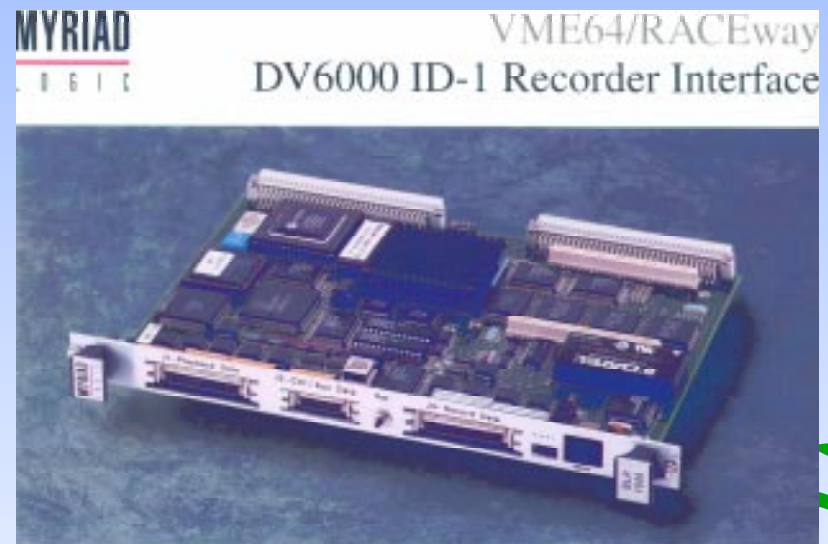
- INTERNAL SCSI TO 10MBYTE/SEC
- INTERNAL BI DIRECTIONAL HIPPI TO 60 MBYTE/SEC
REQUIRES BUFFER
INCLUDES UNIX DRIVERS

EXTERNAL INTERFACES

- SLR-1520 VME64 BY MYRIAD LOGIC
- 16 BIT|| TO VME BUS INTERFACE
- 30 MBYTE SUSTAINED (50 BURST) VIA VME64
- 60 MBYTE SUSTAINED (160 BURST) VIA RACEWAY MODULE
- DV6000 CONTROL AND FIRMWARE
- AUX CHANNEL MUX/DEMUX TO VME

EXTERNAL INTERFACES

- ALLOWS DATA TRANSFER TO AND FROM ANY VME DEVICE
- ALLOWS CUSTOM DATA SYSTEMS USING COTS VME CARDS



EXTERNAL INTERFACES

- MULTIPLE ANALOG CHANNELS AND MULTIPLE DIGITAL STREAMS REQUIRE EXTERNAL MUX/DEMUX
- DV6000 HAS INTERFACED WITH:
ADARIO & BANDIT
CALCULEX
TRI- PLEX
MYRIAD

QUESTIONS ??

