

RACK: C2-6
TS OUTPUT

- 1A0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 2A
- 3A
- CLR
- 2S
- 3S
- EN1
- LV1
- BUSY
- OR1
- GO
- NC

ALL OUTPUTS ARE
SINGLE ENDED ECL
USE COAXIAL CONNECTION

RACK: C2-6
Patch Panel

- RG8 → SOUTH CLAMSHELL
- RG8 → SPACE FRAME DECK 1
- RG8 → SPACE FRAME DECK 2
- RG8 → SPACE FRAME DECK 3

RACK: C2-6
UXI SLOT 12

- seECL NIM
- seECL NIM
- seECL NIM

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UXI SLOT 12

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UXI SLOT 10 [P3]
PIPELINE
CLOCK
BOARD

RACK: C2-6
UXI SLOT 12

UXI SLOT 12

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UXI SLOT 12

Clock Module
10KHZ CLOCK

FARADAY CUP
Clock From Deck 3

CLOCK AND FARADAY CUP SIGNAL FANOUT
SIGNALS GO TO NIM → ECL CONVERTERS
SIGNALS ARE DISTRIBUTED FROM NIM → ECL CONVERTERS

UXI SLOT 0 [P3]
RACK: C2-6
TRIGGER
INTERFACE
BOARD

EN1 → PS-757 NIM 1 → EN1 → NIM seECL → ENABLE

BUSY → PS-757 NIM 2 → GO → NIM seECL → RUN/STOP

GO → PS-757 NIM 3 → EN1 → PS-757 NIM 4 → "LIVE_GATE" EN1 * BUSY → SCALER #3 VETO

GO → PS-757 NIM 5 → EN1 → PS-757 NIM 5 → "RUNGATE" GO * EN1 → SCALER #2 VETO

SCALER 1 xFF0300

- 10khz Clock
- Faraday Cup
- 1Mhz Clock
- unused
- unused
- MOR.ST
- MOR.PC
- MOR.PS
- MOR.TAC
- Master OR
- Pair Counter
- Pair Spectrometer
- Total Absorbtion Cntr
- ST [Start Counter]
- unused
- 10Khz Clock
- Faraday Cup

NO VETO

CAEN V560 VME SCALERS
MODULES UPGRADED JAN00

SCALER 2 xFF0400

- 10khz Clock
- Faraday Cup
- unused
- unused
- MOR.ST
- MOR.PC
- MOR.PS
- MOR.TAC
- Master OR
- Pair Counter
- Pair Spectrometer
- Total Absorbtion Cntr
- ST [Start Counter]
- unused
- 10Khz Clock
- Faraday Cup

RUNGATED

SCALER 3 xFF0500

- 10khz Clock
- Faraday Cup
- 1Mhz Clock
- unused
- unused
- unused
- unused
- unused
- Master OR
- unused
- unused
- unused
- unused
- 10Khz Clock
- Faraday Cup

LIVEGATED

SCALER 4 xFF0600

- TS prescale 1
- TS prescale 2
- TS prescale 3
- TS prescale 4
- TS prescale 5
- TS prescale 6
- TS prescale 7
- TS prescale 8
- TS prescale 9
- TS prescale 10
- TS prescale 11
- TS prescale 12
- TS OR Output
- TS Level 1 accept
- unused
- unused

NO VETO

SCALER 5 xFF0700

- Level 2 FAIL
- Level 2 PASS
- Level 2 START
- Level 2 CLEAR
- Level 2 ACCEPT
- Level 3 ACCEPT
- unused
- unused
- unused
- unused
- unused
- unused
- unused
- unused

NO VETO

TRIGGER SUPERVISOR OUTPUT
SIGNAL DISTRIBUTION CHART
Scaler 'Vetoos' & Pipeline Clock Control

Updated 26 Jan00