### Fiber Installation Notes (Revision 2.2)

#### Scope:

DAQ path fiber optic cables.

From: Mini-rack fiber cassettes.

To: FED rack fiber cassettes in USC55 (S1G06, 07, and 08).

#### **Notations and Conventions:**

In USC55:

The fiber cassette crates in the FED racks are denoted as FCTC-1 through FCTC-12 where FCTC stands for Fiber Cassette Termination Crate.

In UXC55:

There is one fiber cassette crate per mini rack. So only the mini-rack label is used to specify the fiber cassette crate (ex: X5U41).

The cassette positions within a crate are numbered from 1 to 12 with position one starting on the left. Cassette positions are indicated in parentheses and appended to the crate name. So FCTC-7(3) specifies the cassette in position 3 of crate 7.

#### **Connectors:**

All connectors on the DAQ path fiber cassettes are to be LC receptacles.

#### **Fiber Terminations:**

The DAQ fibers are provided in one 24-fiber bundle per peripheral crate which means that there are two bundles per mini-rack (with the exception of YE3 (station 4) which only has one bundle per mini-rack).

Each 24-fiber bundle is terminated in a pair of 12-fiber cassettes on each end. On the mini-rack end, the cassettes in the pair are in adjacent positions in the crate. On the FED rack end, the cassettes in the pair are in the same position in two crates one directly above the other.

For YE1 and YE2, the mapping for terminating each fiber in a bundle is 1-to-1 with all fibers terminated. See the diagram and table in Fig. 1 and Fig. 2 for details.

For YE3, only 12 of the 24 fibers in the bundle are used and the mapping is also 1-to-1 but some cassette termination positions are left unconnected. See the diagram and table in Fig. 3 and Fig. 4 for details.

#### **Mapping of Cassettes:**

Table 1 specifies which mini-rack cassette is to be connected to each of the FED rack cassettes. For convenience the reverse mapping is listed in Table 3 (which FED rack cassette is to be connected to each mini-rack).

#### **Observations:**

- 1. This configuration of fiber terminations requires a total of 240 12-fiber cassettes and zero 6-fiber cassettes, which differs from the original quote.
- 2. With the exception of YE3, we are requesting that all 24-fibers in a bundle be terminated at both ends, which again differs from the original quote which only terminated the minimum number necessary.

### Peripheral Crate to FED Crate Fiber Routing (YE1 &YE2)

Each adjacent pair of module at Pcrate route to Upper and Lower Crates at FED

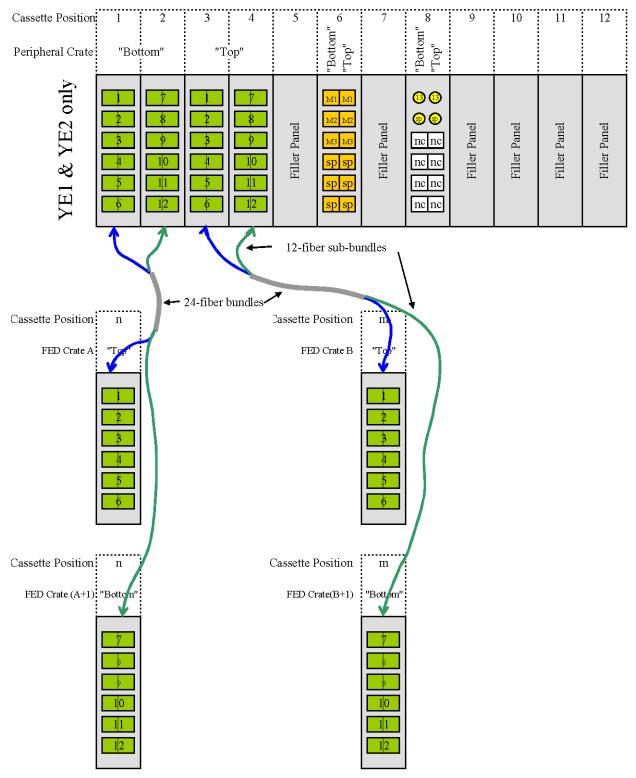


Figure 1

## EMU CSC DAQ Fiber Optics

### Mapping of Fiber Connections per Bundle (YE1 & YE2)

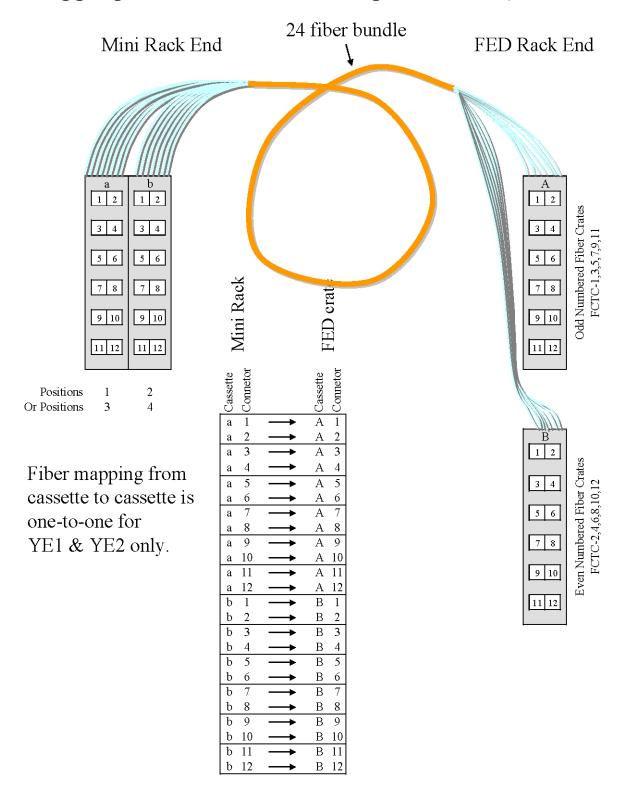


Figure 2

### Peripheral Crate to FED Crate Fiber Routing (YE3)

Each adjacent pair of module at Pcrate route to Upper and Lower Crates at FED

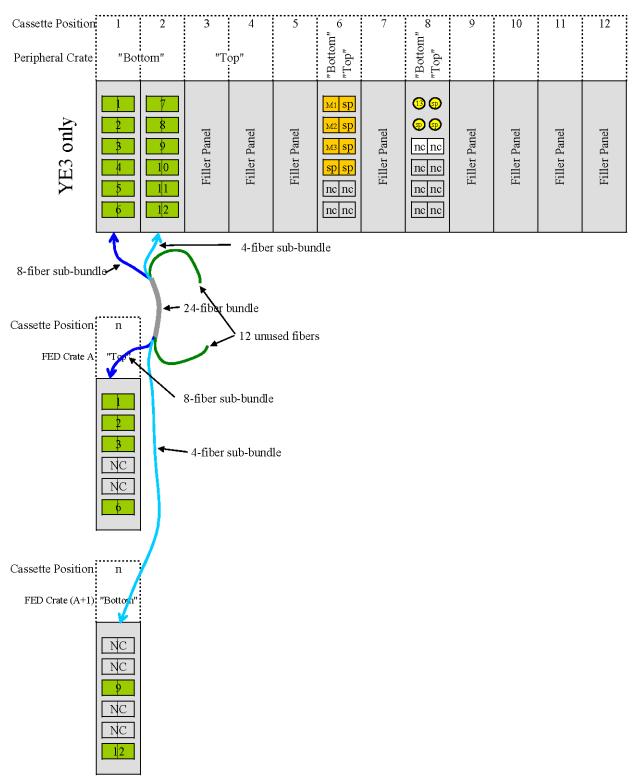


Figure 3

### EMU CSC DAQ Fiber Optics

### Mapping of Fiber Connections per Bundle (YE3)

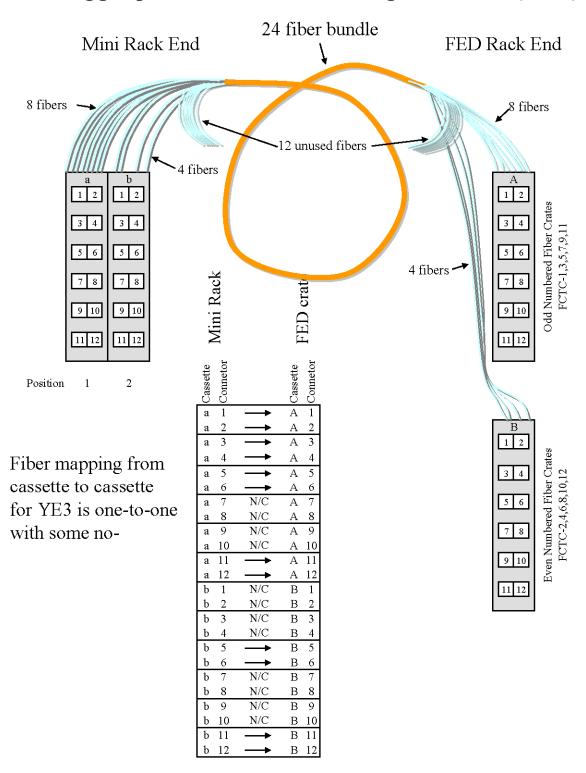


Figure 4

# Fiber Cassette Mapping for DAQ Path Fiber Cassette Mapping for DAQ Path (by FED Crates) (by FED Crates)

	FEI	D			On Disk		E+1/ 6 E+1/ 7 E+2/ 4 E+3/ 5 E+4/ 6 E-1/ 2 E-1/ 3 E-2/ 2 E-3/ 3 E-4/ 4 E-1/ 4 E-1/ 5 E-2/ 3						
	Crate	Cst.	Mini	Cst.		Peripher	al						
	#	Pos.	Rack	Pos.	Specification	Crate							
	4	- 1	X3A31	4	X3A31(4)	VME+1/	6						
	4	2	X3A31	2	X3A31(2)	VME+1/	7						
	4	3	X1R41	2	X1R41(2)	VME+2/	4						
	4	4	X1U41	2	X1U41(2)	VME+3/	5						
	4	- 5	X3J51	2	X3J51(2)	VME+4/	6						
, C	4	-6	N/A		N/A()								
Ğ	4	- 7	N/A		N/A()								
ш	4	8	X5E31	2	X5E31(2)	VME-1/	2						
	4	9	X5E31	4	X5E31(4)	VME-1/	3						
	4	10	X5L41	4	X5L41(4)	VME-2/	2						
	4	11	X3S41	4	X3S41(4)	VME-3/	3						
	4	12	X1L51	4	X1L51(4)	VME-4/	4						
	5	1	N/A		N/A()								
	5	2	X5L31	3	X5L31(3)	VME-1/	4						
	5	3	X5L31	1	X5L31(1)	VME-1/	5						
	5	4	X3S41	1	X3S41(1)	VME-2/	3						
10	5	5	X1L41	3	X1L41(3)	VME-3/	4						
FCTC5	5	6	X1E51	1	X1E51(1)	VME-4/	5						
٦ <u>ڙ                                    </u>	5	7	N/A		N/A()								
I	5	8	X3S31	3	X3S31(3)	VME-1/	6						
	5	9	X3S31	1	X3S31(1)	VME-1/	7						
	5	10	X1L41	1	X1L41(1)	VME-2/	4						
	5	11	X1E41	1	X1E41(1)	VME-3/	5						
	5	12	X3V51	1	X3V51(1)	VME-4/	6						
	6	- 1	N/A		N/A()								
	6	2	X5L31	4	X5L31(4)	VME-1/	4						
	6	- 3	X5L31	2	X5L31(2)	VME-1/	5						
	6	4	X3S41	2	X3S41(2)	VME-2/	3						
	6	5	X1L41	4	X1L41(4)	VME-3/	4						
	6	6	X1E51	2	X1E51(2)	VME-4/	5						
FCTC6	6	7	N/A		N/A()								
	6	8	X3S31	4	X3S31(4)	VME-1/	6						
	6	9	X3S31	2	X3S31(2)	VME-1/	7						
	6	10	X1L41	2	X1L41(2)	VME-2/	4						
	6	11	X1E41	2	X1E41(2)	VME-3/	5						
	6	12	X3V51	2	X3V51(2)	VME-4/	6						

	FEI	D			On Disk	
	Crate	Cst.	Mini	Cst.		Peripheral
	#	Pos.	Rack	Pos.	Specification	Crate
	1	1	X5U31	1	X5U31(1)	VME+1/2
	1	2	X5U31	3	X5U31(3)	VME+1/3
	1	3	X5R41	3	X5R41(3)	VME+2/2
	1	4	X3A41	1	X3A41(1)	VME+3/3
	1	5	X1R51	3	X1R51(3)	VME+4/4
[G	1	6	N/A		N/A()	
FCTCI	1	7	X5R31	3	X5R31(3)	VME+1/4
I	1	8	X5R31	1	X5R31(1)	VME+1/5
	1	9	X3A41	3	X3A41(3)	VME+2/3
	1	10	X1R41	3	X1R41(3)	VME+3/4
	1	11	X1U51	1	X1U51(1)	VME+4/ 5
	1	12	N/A		N/A()	
	2	- 1	X5U31	2	X5U31(2)	VME+1/2
	2	2	X5U31	4	X5U31(4)	VME+1/3
	2	3	X5R41	4	X5R41(4)	VME+2/2
	2	4	X3A41	2	X3A41(2)	VME+3/3
7	2	5	X1R51	4	X1R51(4)	VME+4/ 4
ľC.	2	6	N/A		N/A()	
£.	2	7	X5R31	4	X5R31(4)	VME+1/4
	2	8	X5R31	2	X5R31(2)	VME+1/5
	2	9	X3A41	4	X3A41(4)	VME+2/3
	2	10	X1R41	4	X1R41(4)	VME+3/4
	2	11	X1U51	2	X1U51(2)	VME+4/ 5
	2	12	N/A		N/A()	
	3	- 1	X3A31	3	X3A31(3)	VME+1/6
	3	2	X3A31	1	X3A31(1)	VME+1/7
	3	3	X1R41	1	X1R41(1)	VME+2/4
	3	4	X1U41	1	X1U41(1)	VME+3/ 5
3	3	5	X3J51	1	X3J51(1)	VME+4/ 6
FCTC	3	- 6	N/A		N/A()	
	3	7	N/A		N/A()	
	3	8	X5E31	1	X5E31(1)	VME-1/2
	3	9	X5E31	3	X5E31(3)	VME-1/3
	3	10	X5L41	3	X5L41(3)	VME-2/2
	3	11	X3S41	3	X3S41(3)	VME-3/3
	3	12	X1L51	3	X1L51(3)	VME-4/ 4

# Fiber Cassette Mapping for DAQ Path Fiber Cassette Mapping for DAQ Path (by FED Crates) (by FED Crates)

	FEI	D			On Disk		
	Crate	Cst.	Mini	Cst.		Periphera	al
	#	Pos.	Rack	Pos.	Specification	Crate	
	10	1	X3J31	2	X3J31(2)	VME+1/	12
	10	2	X3J31	4	X3J31(4)	VME+1/	1
	10	3	X5U41	4	X5U41(4)	VME+2/	1
	10	4	X5R41	2	X5R41(2)	VME+3/	2
0	10	5	X3A51	4	X3A51(4)	VME+4/	3
CI	10	6	N/A		N/A()		
CT	10	7	N/A		N/A()		
[工	10	8	X1L31	4	X1L31(4)	VME-1/	8
	10	9	X1L31	2	X1L31(2)	VME-1/	9
	10	10	X1E41	4	X1E41(4)		5
	10	11	X3V41	2	X3V41(2)	VME-3/	6
	10	12	X5E51	2	X5E51(2)	VME-4/	1
	-11	1	N/A		N/A()		
	11	2	X1E31	1	X1E31(1)	VME-1/	
	-11	3	X1E31	3	X1E31(3)	VME-1/	11
	11	4	X3V41	3	X3V41(3)	VME-2/	6
-	- 11	5	X5E41	1	X5E41(1)	VME-3/	1
FCTC1	11	6	X5L51	1	X5L51(1)	VME-4/	2
Ç	-11	7	N/A		N/A()		
щ	-11	8	X3V31	1	X3V31(1)	VME-1/	12
	-11	9	X3V31	3	X3V31(3)		1
	11	10	X5E41	3	X5E41(3)		1
	-11	11	X5L41	1	X5L41(1)		2
	-11	12	X3S51	3	X3S51(3)	VME-4/	3
	12	- 1	N/A		N/A()		
	12	2	X1E31	2	X1E31(2)	VME-1/	
	12	3	X1E31	4	X1E31(4)		11
	12	4	X3V41	4	X3V41(4)		6
2	12	5	X5E41	2	X5E41(2)		1
FCTC12	12	6	X5L51	2	X5L51(2)	VME-4/	2
iCT	12	7	N/A		N/A()		
щ	12	8	X3V31	2	X3V31(2)	VME-1/	12
	12	9	X3V31	4	X3V31(4)		1
	12	10	X5E41	4	X5E41(4)		1
	12	11	X5L41	2	X5L41(2)		2
	12	12	X3S51	4	X3S51(4)	VME-4/	3

	DD	_			O D: 1		
	FE:		3.61	G .	On Disk	D 1	1
	Crate	Cst.	Mini	Cst.	c .c	Peripher	aı
	#	Pos.	Rack		Specification	Crate	0
	7	1	X1R31	3	X1R31(3)		8
	7	2	X1R31	1	X1R31(1)	VME+1/	9
	7	3	X1U41	3	X1U41(3)	VME+2/	5
	7	4	X3J41	3	X3J41(3)	VME+3/	6
L.	7	5	X5U51	1	X5U51(1)	VME+4/	1
FCTC7	7	6	N/A		N/A()		L
FC	7	7	X1U31	1	X1U31(1)	VME+1/	10
	7	8	X1U31	3	X1U31(3)	VME+1/	11
	7	9	X3J41	1	X3J41(1)	VME+2/	6
	7	10	X5U41	1	X5U41(1)	VME+3/	1
	7	11	X5R51	1	X5R51(1)	VME+4/	2
	7	12	N/A		N/A()		
	8	1	X1R31	4	X1R31(4)	VME+1/	8
	8	2	X1R31	2	X1R31(2)	VME+1/	9
	8	3	X1U41	4	X1U41(4)	VME+2/	5
	8	4	X3J41	4	X3J41(4)	VME+3/	6
	8	5	X5U51	2	X5U51(2)	VME+4/	1
FCTC8	8	6	N/A		N/A()		
Ę	8	7	X1U31	2	X1U31(2)	VME+1/	10
_	8	8	X1U31	4	X1U31(4)	VME+1/	11
	8	9	X3J41	2	X3J41(2)	VME+2/	6
	8	10	X5U41	2	X5U41(2)	VME+3/	1
	8	11	X5R51	2	X5R51(2)	VME+4/	2
	8	12	N/A		N/A()		
	9	1	X3J31	1	X3J31(1)	VME+1/	12
	9	2	X3J31	3	X3J31(3)	VME+1/	1
	9	3	X5U41	3	X5U41(3)	VME+2/	1
	9	4	X5R41	1	X5R41(1)	VME+3/	2
	9	5	X3A51	3	X3A51(3)	VME+4/	3
FCTC9	9	6	N/A		N/A()		
ည်	9	7	N/A		N/A()		
Т	9	8	X1L31	3	X1L31(3)	VME-1/	8
	9	9	X1L31	1	X1L31(1)	VME-1/	9
	9	10	X1E41	3	X1E41(3)	VME-2/	5
	9	11	X3V41	1	X3V41(1)	VME-3/	6
	9	12	X5E51	1	X5E51(1)	VME-4/	1

Trigger   Mini		On 1	Disk			F	ED	FiberBun	dle				
The following colors   The following colors	Trig	ger	Mini	Cst.	Peripheral	Crate	Cst.	Full					
Section   Sect	Sec	tor	Rack	Pos.	Crate	#	Pos.	Specification	bundle#	FED mod	ule	Pcrate module	
Section   Sect	t 1		X5U31	1	VME+1/2	1	1	FCTC1(1)	1	top	FCTC1(1)	X5U31-1	
Section   Sect	Se	]3]	X5U31	2	VME+1/2	2	1	FCTC2(1)	1	bottom	FCTC2(1)	X5U31-2	
Section   Sect	.60	152	X5U31	3	VME+1/3	1	2	FCTC1(2)	2	top	FCTC1(2)	X5U31-3	
Second   S	Ţ	,	X5U31	4		2	2	FCTC2(2)	2	bottom	FCTC2(2)	X5U31-4	
X3A31	t 2		X5R31	1	VME+1/ 5	1	8	FCTC1(8)	3	top		X5R31-1	
X3A31	Sec	23				2			3	bottom	FCTC2(8)	X5R31-2	
X3A31	.00	X 5	X5R31	3	VME+1/4	1	7	FCTC1(7)	4	top	FCTC1(7)	X5R31-3	
X3A31   2   VME+1/   6   3   1   FCTC3(1)   6   top   FCTC3(1)   X3A31-3   X3A31   3   VME+1/   6   3   1   FCTC3(1)   6   bottom   FCTC4(2)   X3A31-3   X3A31   4   VME+1/   6   3   1   FCTC3(1)   6   bottom   FCTC4(1)   X3A31-3   X3A31   4   VME+1/   9   7   2   FCTC7(2)   7   top   FCTC7(2)   X1R31-1   VME+1/   9   7   2   FCTC8(2)   7   bottom   FCTC8(2)   X1R31-3   X1R31   3   VME+1/   8   8   1   FCTC3(1)   8   top   FCTC7(1)   X1R31-3   X1R31   4   VME+1/   8   8   1   FCTC8(1)   8   bottom   FCTC8(1)   X1R31-3   X1R31   4   VME+1/   10   7   7   FCTC7(7)   9   top   FCTC7(7)   X1U31-1   X1U31   2   VME+1/   10   8   7   FCTC8(7)   9   bottom   FCTC8(7)   X1U31-3   X1U31   4   VME+1/   11   7   8   FCTC7(8)   10   top   FCTC7(8)   X1U31-3   X1U31   4   VME+1/   11   7   8   FCTC7(8)   11   top   FCTC9(1)   X3J31-1   X3J31   2   VME+1/   12   9   1   FCTC9(1)   11   top   FCTC9(2)   X3J31-3   X3J31   3   VME+1/   1   9   2   FCTC9(2)   12   top   FCTC9(2)   X3J31-3   X3J31   3   VME+1/   1   9   2   FCTC9(2)   12   top   FCTC9(2)   X3J31-3   X3J31   3   VME+1/   1   9   2   FCTC8(1)   13   top   FCTC9(1)   X3J31-4   X5U41   1   VME+3/   1   7   10   FCTC7(10)   13   top   FCTC9(2)   X3J31-4   X5U41   4   VME+3/   1   7   10   FCTC8(10)   14   top   FCTC9(3)   X5U41-1   X5S41   1   VME+3/   2   9   4   FCTC9(4)   15   top   FCTC9(4)   X5R41-1   X5R41   2   VME+3/   2   10   4   FCTC9(4)   15   top   FCTC10(4)   X5R41-1   X5R41   2   VME+3/   3   2   4   FCTC9(3)   16   top   FCTC1(4)   X3R41-3   X5R41   2   VME+3/   3   2   4   FCTC1(3)   16   top   FCTC1(4)   X3R41-3   X5R41   2   VME+3/   3   2   4   FCTC1(4)   17   top   FCTC1(4)   X3R41-3   X5R41   2   VME+3/   3   2   4   FCTC1(4)   17   top   FCTC1(4)   X3R41-3   X5R41   3   VME+2/   3   1   9   FCTC1(9)   18   top   FCTC1(9)   X3A41-3   X5R41-3   X5R41   3   VME+2/   3   1   9   FCTC1(9)   18   top   FCTC1(9)   X3A41-3   X5R41-3   X5R41   3   VME+2/   3   1   9   FCTC1(9)   18   top   FCTC1(9)   X3A41-3   X5R41-3   X5R41-3   X5R41   3   VME+2/   3		,	X5R31	4	VME+1/4	2	7	FCTC2(7)	4	bottom	FCTC2(7)	X5R31-4	
X1R31   1	13		X3A31	1	VME+1/ 7	3	2	FCTC3(2)	5	top	FCTC3(2)	X3A31-1	
X1R31   1	Sec	33	X3A31		VME+1/7	4	2	FCTC4(2)	5	bottom	FCTC4(2)	X3A31-2	
X1R31   1	18.	\\ \( \) \(	X3A31	3	VME+1/6	3	1	FCTC3(1)	6	top	FCTC3(1)	X3A31-3	
XIR31   2   VME+1/   9   8   2   FCTC8(2)   7   bottom   FCTC8(2)   XIR31-2   XIR31-3   XIR31-3   XIR31-3   XIR31-3   XIR31-3   XIR31-3   XIR31-3   XIR31-3   XIR31-4   VME+1/   8   8   1   FCTC8(1)   8   bottom   FCTC8(1)   XIR31-3   XIR31-4   XIR31-4   VME+1/   10   7   7   FCTC7(7)   9   top   FCTC7(7)   XIU31-1   XIU31-1   XIU31-1   XIU31-3   XIU31-4   XIU31-3   XIU31-	Tr		X3A31	4			1	10101(1)	6	bottom	FCTC4(1)	X3A31-4	
State	t 4		X1R31	1	VME+1/9	7	2	FCTC7(2)	7	top	FCTC7(2)	X1R31-1	
State	Sec	331		2			2		7	bottom			
State	.00	$\mathbb{Z}$	X1R31	3	VME+1/8	7	1	FCTC7(1)	8	top	FCTC7(1)	X1R31-3	
S		, ,	X1R31	4	VME+1/8		_	FCTC8(1)	8	bottom	FCTC8(1)	X1R31-4	
X3J31	t 5		X1U31	1	VME+1/ 10	7	7	FCTC7(7)	9	top	FCTC7(7)	X1U31-1	
X3J31	Sec	]3]					7	FCTC8(7)	9	bottom		X1U31-2	
X3J31	.60		X1U31	3	VME+1/ 11	7	8	FCTC7(8)	10	top	FCTC7(8)	X1U31-3	
X5U41   1		,	X1U31	4			8		10	bottom	FCTC8(8)	X1U31-4	
X5U41   1	t 6		X3J31	1	VME+1/ 12	9	1	FCTC9(1)	11	top	FCTC9(1)	X3J31-1	
X5U41   1	Sec	J31	X3J31	2	VME+1/ 12	10		FCTC10(1)	11	bottom	FCTC10(1)	X3J31-2	
X5U41   1	.60	2	X3J31	3	VME+1/ 1	9	2	FCTC9(2)	12	top	FCTC9(2)	X3J31-3	
X5R41   1   VME+3/2   9   4   FCTC9(4)   15   top   FCTC9(4)   X5R41-1   X5R41   2   VME+3/2   10   4   FCTC10(4)   15   bottom   FCTC10(4)   X5R41-2   X5R41   3   VME+2/2   1   3   FCTC1(3)   16   top   FCTC1(3)   X5R41-3   X5R41   4   VME+2/2   2   3   FCTC2(3)   16   bottom   FCTC2(3)   X5R41-4   X3A41   1   VME+3/3   1   4   FCTC1(4)   17   top   FCTC1(4)   X3A41-1   X3A41   2   VME+3/3   2   4   FCTC2(4)   17   bottom   FCTC2(4)   X3A41-2   X3A41   3   VME+2/3   1   9   FCTC1(9)   18   top   FCTC1(9)   X3A41-3   X	T		X3J31	4	VME+1/ 1	10	2	FCTC10(2)	12	bottom	FCTC10(2)	X3J31-4	
X5R41   1   VME+3/2   9   4   FCTC9(4)   15   top   FCTC9(4)   X5R41-1   X5R41   2   VME+3/2   10   4   FCTC10(4)   15   bottom   FCTC10(4)   X5R41-2   X5R41   3   VME+2/2   1   3   FCTC1(3)   16   top   FCTC1(3)   X5R41-3   X5R41   4   VME+2/2   2   3   FCTC2(3)   16   bottom   FCTC2(3)   X5R41-4   X3A41   1   VME+3/3   1   4   FCTC1(4)   17   top   FCTC1(4)   X3A41-1   X3A41   2   VME+3/3   2   4   FCTC2(4)   17   bottom   FCTC2(4)   X3A41-2   X3A41   3   VME+2/3   1   9   FCTC1(9)   18   top   FCTC1(9)   X3A41-3   X	t 1		X5U41	1	VME+3/ 1	7	10	FCTC7(10)	13	top	FCTC7(10)	X5U41-1	
X5R41   1   VME+3/2   9   4   FCTC9(4)   15   top   FCTC9(4)   X5R41-1   X5R41   2   VME+3/2   10   4   FCTC10(4)   15   bottom   FCTC10(4)   X5R41-2   X5R41   3   VME+2/2   1   3   FCTC1(3)   16   top   FCTC1(3)   X5R41-3   X5R41   4   VME+2/2   2   3   FCTC2(3)   16   bottom   FCTC2(3)   X5R41-4   X3A41   1   VME+3/3   1   4   FCTC1(4)   17   top   FCTC1(4)   X3A41-1   X3A41   2   VME+3/3   2   4   FCTC2(4)   17   bottom   FCTC2(4)   X3A41-2   X3A41   3   VME+2/3   1   9   FCTC1(9)   18   top   FCTC1(9)   X3A41-3   X	Sec	J41		2			10	FCTC8(10)	13	bottom	FCTC8(10)	X5U41-2	
X5R41   1   VME+3/2   9   4   FCTC9(4)   15   top   FCTC9(4)   X5R41-1   X5R41   2   VME+3/2   10   4   FCTC10(4)   15   bottom   FCTC10(4)   X5R41-2   X5R41   3   VME+2/2   1   3   FCTC1(3)   16   top   FCTC1(3)   X5R41-3   X5R41   4   VME+2/2   2   3   FCTC2(3)   16   bottom   FCTC2(3)   X5R41-4   X3A41   1   VME+3/3   1   4   FCTC1(4)   17   top   FCTC1(4)   X3A41-1   X3A41   2   VME+3/3   2   4   FCTC2(4)   17   bottom   FCTC2(4)   X3A41-2   X3A41   3   VME+2/3   1   9   FCTC1(9)   18   top   FCTC1(9)   X3A41-3   X	.60	X	X5U41	3	VME+2/ 1	9	3	FCTC9(3)	14	top	FCTC9(3)	X5U41-3	
X5R41   2   VME+3/ 2   10   4   FCTC10(4)   15   bottom   FCTC10(4)   X5R41-2   X5R41   3   VME+2/ 2   1   3   FCTC1(3)   16   top   FCTC1(3)   X5R41-3   E   X5R41   4   VME+2/ 2   2   3   FCTC2(3)   16   bottom   FCTC2(3)   X5R41-4   X3A41   1   VME+3/ 3   1   4   FCTC1(4)   17   top   FCTC1(4)   X3A41-1   VME+3/ 3   2   4   FCTC2(4)   17   bottom   FCTC2(4)   X3A41-2   X3A41   3   VME+2/ 3   1   9   FCTC1(9)   18   top   FCTC1(9)   X3A41-3   VME+2/ 3   1   VME+2/ 3   VME+2/ 3   1   VME+2/ 3   VME+2/ 3   1   VME+2/ 3   VME+2/ 3				4			3	FCTC10(3)	14	bottom	FCTC10(3)	X5U41-4	
X3A41   1   VME+3/3   1   4   FCTC1(4)   17   top   FCTC1(4)   X3A41-1     X3A41   2   VME+3/3   2   4   FCTC2(4)   17   bottom   FCTC2(4)   X3A41-2     X3A41   3   VME+2/3   1   9   FCTC1(9)   18   top   FCTC1(9)   X3A41-3	t 2		X5R41	1	VME+3/2	9	4	FCTC9(4)	15	top	FCTC9(4)	X5R41-1	
X3A41   1   VME+3/3   1   4   FCTC1(4)   17   top   FCTC1(4)   X3A41-1     X3A41   2   VME+3/3   2   4   FCTC2(4)   17   bottom   FCTC2(4)   X3A41-2     X3A41   3   VME+2/3   1   9   FCTC1(9)   18   top   FCTC1(9)   X3A41-3	Sec	<u>41</u>	X5R41	2	VME+3/2	10	4	FCTC10(4)	15	bottom	FCTC10(4)	X5R41-2	
X3A41   1   VME+3/3   1   4   FCTC1(4)   17   top   FCTC1(4)   X3A41-1     X3A41   2   VME+3/3   2   4   FCTC2(4)   17   bottom   FCTC2(4)   X3A41-2     X3A41   3   VME+2/3   1   9   FCTC1(9)   18   top   FCTC1(9)   X3A41-3	.00	X51	X5R41	3	VME+2/2	1	3	FCTC1(3)	16	top	FCTC1(3)	X5R41-3	
X3A41   1   VME+3/3   1   4   FCTC1(4)   17   top   FCTC1(4)   X3A41-1     X3A41   2   VME+3/3   2   4   FCTC2(4)   17   bottom   FCTC2(4)   X3A41-2     X3A41   3   VME+2/3   1   9   FCTC1(9)   18   top   FCTC1(9)   X3A41-3     X3A41   4   VME+2/3   2   9   FCTC2(9)   18   bottom   FCTC2(9)   X3A41-4	H	' '	X5R41	4	VME+2/2	2	3	FCTC2(3)	16	bottom	FCTC2(3)	X5R41-4	
X3A41   2   VME+3/3   2   4   FCTC2(4)   17   bottom   FCTC2(4)   X3A41-2     X3A41   3   VME+2/3   1   9   FCTC1(9)   18   top   FCTC1(9)   X3A41-3     X3A41   4   VME+2/3   2   9   FCTC2(9)   18   bottom   FCTC2(9)   X3A41-4     X3A41-4     X3A41-4   X	t 3		X3A41	1	VME+3/3	1	4	FCTC1(4)	17	top	FCTC1(4)	X3A41-1	
X3A41         3         VME+2/3         1         9         FCTC1(9)         18         top         FCTC1(9)         X3A41-3           X3A41         4         VME+2/3         2         9         FCTC2(9)         18         bottom         FCTC2(9)         X3A41-4	Sect	441	X3A41	2	VME+3/3	2	4	FCTC2(4)	17	bottom	FCTC2(4)	X3A41-2	
X3A41 4 VME+2/3 2 9 FCTC2(9) 18 bottom FCTC2(9) X3A41-4	50	3	X3A41	3	VME+2/3	1	9	FCTC1(9)	18	top	FCTC1(9)	X3A41-3	
	T		X3A41	4	VME+2/3	2	9	FCTC2(9)	18	bottom	FCTC2(9)	X3A41-4	

Trigger Mini			On	Disk			F	ED	FiberBund	ile		
Table   Tabl	Trig	ger	Mini	Cst.	Peripheral	Crate	Cst.	Full				
Second   S				Pos.	Crate	#	Pos.	Specification	bundle#	FED mod	ule	Pcrate module
Sign	4		X1R41	1	VME+2/4	3	3	FCTC3(3)	19	top	FCTC3(3)	X1R41-1
Sign	ect	41	X1R41	2	VME+2/4	4	3	FCTC4(3)	19	bottom	FCTC4(3)	X1R41-2
Sign	ρΰ	ζ1 F	X1R41	3	VME+3/4	1	10	FCTC1(10)	20	top	FCTC1(10)	X1R41-3
State   Stat	T.	~	X1R41	4	VME+3/4	2	10	FCTC2(10)	20	bottom	FCTC2(10)	X1R41-4
X3J41	5		X1U41	1	VME+3/5	3	4	FCTC3(4)	21	top	FCTC3(4)	X1U41-1
X3J41	ect	141	X1U41	2	VME+3/5	4	4		21	bottom	FCTC4(4)	X1U41-2
X3J41	ρΰ	113	X1U41	3	VME+2/5	7	3	FCTC7(3)	22	top	FCTC7(3)	X1U41-3
XSU51	ΤΞ	$\sim$	X1U41	4	VME+2/5	8	3		22	_	FCTC8(3)	X1U41-4
XSU51	9:		X3J41	1	VME+2/6	7	9	FCTC7(9)	23	top	FCTC7(9)	X3J41-1
XSU51	ect	141	X3J41	2	VME+2/6	8	9	FCTC8(9)	23	bottom		X3J41-2
XSU51	ρΰ	Ŕ	X3J41	3	VME+3/6	7	4	FCTC7(4)	24	top	FCTC7(4)	X3J41-3
S	T.E	, ,	X3J41	4	VME+3/6	8	4	FCTC8(4)	24	bottom	FCTC8(4)	X3J41-4
Total   Tota			X5U51	1	VME+4/ 1	7	5	FCTC7(5)	25	top	FCTC7(5)	X5U51-1
Total   Tota	ect	151	X5U51	2	VME+4/ 1	8	5	FCTC8(5)	25	bottom	FCTC8(5)	X5U51-2
Total   Tota	50	153	X5U51	3	N/A							0 X5U51-3
X3A51	Ξ	P 4	X5U51	4	N/A							0 X5U51-4
X3A51	2		X5R51	1	VME+4/ 2	7	11	FCTC7(11)	26	top	FCTC7(11)	X5R51-1
X3A51	Sect	251	X5R51	2	VME+4/ 2	8	11	FCTC8(11)	26	bottom	FCTC8(11)	X5R51-2
X3A51	60	₹5¥	X5R51	3	N/A							0 X5R51-3
X1R51   1	Œ	~	X5R51	4	N/A							0 X5R51-4
X1R51   1	3		X3A51	1	N/A							0 X3A51-1
X1R51   1	sect	151	X3A51	2	N/A							0 X3A51-2
X1R51   1	60	37	X3A51	3	VME+4/3	9	5	FCTC9(5)	27	top	FCTC9(5)	X3A51-3
X1U51   1 VME+4/5   1   11 FCTC1(11)   29   top FCTC1(11)   X1U51-1   29   bottom FCTC2(11)   X1U51-2   X1U51   3   N/A   0   X1U51-3   0   X1U51-4   X3J51   1   VME+4/6   3   5   FCTC3(5)   30   bottom FCTC3(5)   X3J51-1   X3J51   2   VME+4/6   4   5   FCTC4(5)   30   bottom FCTC4(5)   X3J51-2   X3J51   3   N/A   0   X3J51-3   0   X3		1	X3A51	4	VME+4/3	10	5	FCTC10(5)	27	bottom	FCTC10(5)	X3A51-4
X1U51   1 VME+4/5   1   11 FCTC1(11)   29   top FCTC1(11)   X1U51-1   29   bottom FCTC2(11)   X1U51-2   X1U51   3   N/A   0   X1U51-3   0   X1U51-4   X3J51   1   VME+4/6   3   5   FCTC3(5)   30   bottom FCTC3(5)   X3J51-1   X3J51   2   VME+4/6   4   5   FCTC4(5)   30   bottom FCTC4(5)   X3J51-2   X3J51   3   N/A   0   X3J51-3   0   X3	14		X1R51	1	N/A							0 X1R51-1
X1U51   1 VME+4/5   1   11 FCTC1(11)   29   top FCTC1(11)   X1U51-1   29   bottom FCTC2(11)   X1U51-2   X1U51   3   N/A   0   X1U51-3   0   X1U51-4   X3J51   1   VME+4/6   3   5   FCTC3(5)   30   bottom FCTC3(5)   X3J51-1   X3J51   2   VME+4/6   4   5   FCTC4(5)   30   bottom FCTC4(5)   X3J51-2   X3J51   3   N/A   0   X3J51-3   0   X3	Sect	153	X1R51	2	N/A							0 X1R51-2
X1U51   1 VME+4/5   1   11 FCTC1(11)   29   top FCTC1(11)   X1U51-1   29   bottom FCTC2(11)   X1U51-2   X1U51   3   N/A   0   X1U51-3   0   X1U51-4   X3J51   1   VME+4/6   3   5   FCTC3(5)   30   bottom FCTC3(5)   X3J51-1   X3J51   2   VME+4/6   4   5   FCTC4(5)   30   bottom FCTC4(5)   X3J51-2   X3J51   3   N/A   0   X3J51-3   0   X3	.60	X11F	X1R51	3	VME+4/4	1	5	FCTC1(5)	28	top	FCTC1(5)	X1R51-3
X3J51   1 VME+4/6   3   5 FCTC3(5)   30   top FCTC3(5)   X3J51-1	T	"	X1R51	4	VME+4/ 4	2	5	FCTC2(5)	28	bottom	FCTC2(5)	X1R51-4
X3J51   1 VME+4/6   3   5 FCTC3(5)   30   top FCTC3(5)   X3J51-1	5		X1U51	1	VME+4/ 5	1	11	FCTC1(11)	29	top	FCTC1(11)	X1U51-1
X3J51   1 VME+4/6   3   5 FCTC3(5)   30   top FCTC3(5)   X3J51-1	Sect	151	X1U51	2	VME+4/ 5	2	11	FCTC2(11)	29	bottom	FCTC2(11)	X1U51-2
X3J51   1 VME+4/6   3   5 FCTC3(5)   30   top FCTC3(5)   X3J51-1	50	113	X1U51	3	N/A							0 X1U51-3
X3J51   1 VME+4/6   3   5 FCTC3(5)   30   top FCTC3(5)   X3J51-1     X3J51   2 VME+4/6   4   5 FCTC4(5)   30   bottom FCTC4(5)   X3J51-2     X3J51   3   N/A   0   X3J51-3     X3J51   4   N/A   0   V3J51-4	Ξ	~	X1U51	4	N/A							0 X1U51-4
X3J51   2   VME+4/6   4   5   FCTC4(5)   30   bottom   FCTC4(5)   X3J51-2   0   X3J51-3   0   X3J5	9:		X3J51	1	VME+4/6	3	5	FCTC3(5)	30	top	FCTC3(5)	X3J51-1
0 X3J51-3 0 X3J51-3	ect	151	X3J51	2	VME+4/6	4	5	FCTC4(5)	30	bottom		X3J51-2
0 V2151 4 N/A	ρΰ	\X		3	N/A							
[	Ξ	,	X3J51	4	N/A				İ			0 X3J51-4

XSE31			On I	Disk			F	ED	FiberBundle					
XSE31	Trigge	er	Mini	Cst.	Peripheral	Crate	Cst.	Full						
State	Sector	T	Rack	Pos.	Crate	#	Pos.	Specification	bundle#	FED mod	ule	Perate module		
XSE31   4   VME-1/3   5   5   FCTC5(9)   32   bottom   FCTC4(9)   XSE31-3     XSE31   1   VME-1/5   5   3   FCTC5(3)   33   bottom   FCTC6(3)   XSL31-1     XSE31   2   VME-1/5   6   3   FCTC5(3)   33   bottom   FCTC6(3)   XSL31-2     XSE31   3   VME-1/4   5   2   FCTC5(2)   34   top   FCTC5(2)   XSL31-3     XSL31   4   VME-1/4   6   2   FCTC5(2)   34   bottom   FCTC6(2)   XSL31-3     XSE31   1   VME-1/7   5   9   FCTC5(2)   35   bottom   FCTC6(2)   XSL31-3     XSS31   1   VME-1/7   5   9   FCTC5(9)   35   bottom   FCTC6(9)   XSS31-1     XSS31   2   VME-1/7   6   9   FCTC5(8)   36   bottom   FCTC6(9)   XSS31-3     XSS31   4   VME-1/6   6   8   FCTC5(8)   36   bottom   FCTC6(8)   XSS31-3     XSS31   4   VME-1/6   6   8   FCTC5(8)   36   bottom   FCTC6(8)   XSS31-3     XSS31   4   VME-1/9   9   9   FCTC9(9)   37   bottom   FCTC6(8)   XSS31-3     XSS31   4   VME-1/8   10   8   FCTC10(8)   38   bottom   FCTC10(9)   XIL31-1     XSS31   4   VME-1/10   11   2   FCTC11(2)   39   bottom   FCTC10(8)   XIL31-3     XSS31   4   VME-1/10   12   2   FCTC11(3)   40   bottom   FCTC12(2)   XIE31-1     XSS31   4   VME-1/11   11   3   FCTC11(3)   40   bottom   FCTC12(3)   XIE31-3     XSS31   4   VME-1/11   11   3   FCTC11(3)   40   bottom   FCTC12(3)   XIE31-3     XSS31   4   VME-1/11   11   5   FCTC11(3)   40   bottom   FCTC12(3)   XIE31-3     XSS31   4   VME-1/11   11   5   FCTC11(3)   40   bottom   FCTC12(3)   XIE31-3     XSS31   4   VME-1/11   11   5   FCTC11(3)   40   bottom   FCTC12(3)   XIE31-3     XSS31   4   VME-1/11   11   5   FCTC11(3)   40   bottom   FCTC12(3)   XIE31-4     XSS41   4   VME-1/11   11   5   FCTC11(4)   41   bottom   FCTC12(3)   XIE31-4     XSS41   4   VME-2/1   11   10   FCTC12(1)   42   bottom   FCTC12(1)   XSE41-1     XSS41   4   VME-2/2   3   10   FCTC3(10)   46   bottom   FCTC3(10)   XSIA1-1     XSS41   4   VME-2/2   3   10   FCTC3(10)   46   bottom   FCTC3(10)   XSIA1-1     XSS41   4   VME-2/2   3   10   FCTC3(10)   46   bottom   FCTC3(10)   XSIA1-1     XSS41   4   VME-2/3   5   4   FCTC5(4)   47	t 1		X5E31	1		3	8	FCTC3(8)	31	top	FCTC3(8)	X5E31-1		
XSE31   4   VME-1/3   5   5   FCTC5(9)   32   bottom   FCTC4(9)   XSE31-3     XSE31   1   VME-1/5   5   3   FCTC5(3)   33   bottom   FCTC6(3)   XSL31-1     XSE31   2   VME-1/5   6   3   FCTC5(3)   33   bottom   FCTC6(3)   XSL31-2     XSE31   3   VME-1/4   5   2   FCTC5(2)   34   top   FCTC5(2)   XSL31-3     XSL31   4   VME-1/4   6   2   FCTC5(2)   34   bottom   FCTC6(2)   XSL31-3     XSE31   1   VME-1/7   5   9   FCTC5(2)   35   bottom   FCTC6(2)   XSL31-3     XSS31   1   VME-1/7   5   9   FCTC5(9)   35   bottom   FCTC6(9)   XSS31-1     XSS31   2   VME-1/7   6   9   FCTC5(8)   36   bottom   FCTC6(9)   XSS31-3     XSS31   4   VME-1/6   6   8   FCTC5(8)   36   bottom   FCTC6(8)   XSS31-3     XSS31   4   VME-1/6   6   8   FCTC5(8)   36   bottom   FCTC6(8)   XSS31-3     XSS31   4   VME-1/9   9   9   FCTC9(9)   37   bottom   FCTC6(8)   XSS31-3     XSS31   4   VME-1/8   10   8   FCTC10(8)   38   bottom   FCTC10(9)   XIL31-1     XSS31   4   VME-1/10   11   2   FCTC11(2)   39   bottom   FCTC10(8)   XIL31-3     XSS31   4   VME-1/10   12   2   FCTC11(3)   40   bottom   FCTC12(2)   XIE31-1     XSS31   4   VME-1/11   11   3   FCTC11(3)   40   bottom   FCTC12(3)   XIE31-3     XSS31   4   VME-1/11   11   3   FCTC11(3)   40   bottom   FCTC12(3)   XIE31-3     XSS31   4   VME-1/11   11   5   FCTC11(3)   40   bottom   FCTC12(3)   XIE31-3     XSS31   4   VME-1/11   11   5   FCTC11(3)   40   bottom   FCTC12(3)   XIE31-3     XSS31   4   VME-1/11   11   5   FCTC11(3)   40   bottom   FCTC12(3)   XIE31-3     XSS31   4   VME-1/11   11   5   FCTC11(3)   40   bottom   FCTC12(3)   XIE31-4     XSS41   4   VME-1/11   11   5   FCTC11(4)   41   bottom   FCTC12(3)   XIE31-4     XSS41   4   VME-2/1   11   10   FCTC12(1)   42   bottom   FCTC12(1)   XSE41-1     XSS41   4   VME-2/2   3   10   FCTC3(10)   46   bottom   FCTC3(10)   XSIA1-1     XSS41   4   VME-2/2   3   10   FCTC3(10)   46   bottom   FCTC3(10)   XSIA1-1     XSS41   4   VME-2/2   3   10   FCTC3(10)   46   bottom   FCTC3(10)   XSIA1-1     XSS41   4   VME-2/3   5   4   FCTC5(4)   47	Sec.	3	X5E31				8			bottom	FCTC4(8)	X5E31-2		
XSE31   4   VME-1/3   5   5   3   FCTC5(3)   33   top   FCTC5(3)   XSL31-1     XSL31   1   VME-1/5   5   3   FCTC5(2)   34   top   FCTC5(3)   XSL31-2     XSL31   3   VME-1/4   5   2   FCTC5(2)   34   top   FCTC5(2)   XSL31-3     XSL31   4   VME-1/4   6   2   FCTC5(2)   34   top   FCTC5(2)   XSL31-3     XSL31   4   VME-1/4   6   2   FCTC5(2)   34   top   FCTC5(2)   XSL31-3     XSL31   4   VME-1/7   5   9   FCTC5(2)   35   top   FCTC5(2)   XSL31-3     XSS31   2   VME-1/7   6   9   FCTC5(3)   35   top   FCTC5(3)   XSS31-1     XSS31   3   VME-1/6   5   8   FCTC5(8)   35   top   FCTC5(8)   XSS31-3     XSS31   4   VME-1/6   6   8   FCTC5(8)   36   tot   FCTC5(8)   XSS31-3     XSS31   4   VME-1/9   9   9   FCTC5(8)   36   tot   FCTC5(8)   XSS31-3     XSL31   2   VME-1/9   9   9   FCTC3(9)   37   top   FCTC9(9)   XIL31-3     XIL31   4   VME-1/9   10   9   FCTC10(9)   37   tot   FCTC10(9)   XIL31-3     XIL31   4   VME-1/18   10   8   FCTC3(8)   38   top   FCTC3(8)   XIL31-3     XIE31   2   VME-1/10   11   2   FCTC11(2)   39   top   FCTC11(2)   XIE31-4     XIE31   3   VME-1/11   11   3   FCTC12(3)   40   top   FCTC12(3)   XIE31-3     XIE31   4   VME-1/12   11   8   FCTC12(3)   40   top   FCTC12(3)   XIE31-3     XIE31   4   VME-1/12   11   8   FCTC12(3)   40   top   FCTC12(3)   XIE31-3     XIE31   4   VME-1/12   11   8   FCTC12(3)   40   top   FCTC12(3)   XIE31-3     XIE31   4   VME-1/12   11   8   FCTC12(3)   40   top   FCTC12(3)   XIE31-3     XIE31   4   VME-1/12   11   5   FCTC12(3)   40   top   FCTC12(3)   XIE31-3     XIE31   4   VME-1/11   12   5   FCTC12(3)   40   top   FCTC12(3)   XIE31-3     XIE31   4   VME-1/12   11   5   FCTC12(3)   40   top   FCTC12(3)   XIE31-3     XIE31   4   VME-1/12   11   5   FCTC12(3)   40   top   FCTC12(3)   XIE31-3     XIE31   4   VME-1/12   11   5   FCTC12(3)   40   top   FCTC12(3)   XIE31-3     XIE31   4   VME-1/12   11   5   FCTC12(3)   40   top   FCTC12(3)   XIE31-3     XIE31   4   VME-1/12   11   5   FCTC12(3)   40   top   FCTC12(3)   XIE31-3     XIE31   4   VME-1/12   11   5   F	.60	ا کِ	X5E31	3	VME-1/3	3	9	FCTC3(9)	32	top	FCTC3(9)	X5E31-3		
Start   Star	11 1		X5E31	4		4	9	FCTC4(9)	32	bottom	FCTC4(9)	X5E31-4		
X3S31	t 2		X5L31	1		5	3	FCTC5(3)	33	top	FCTC5(3)	X5L31-1		
X3S31	5   Sec	۲ [	X5L31		VME-1/5	6	3	FCTC6(3)	33	bottom	FCTC6(3)	X5L31-2		
X3S31	.60	X51	X5L31	3	VME-1/4	5	2	FCTC5(2)	34	top	FCTC5(2)	X5L31-3		
X3831			X5L31	4	VME-1/4	6	2	FCTC6(2)	34	bottom	FCTC6(2)	X5L31-4		
X3831	63		X3S31	1	VME-1/ 7	5	9	FCTC5(9)	35	top	FCTC5(9)	X3S31-1		
X3831	Sec	<u>5</u> [	X3S31	2	VME-1/7	6	9	FCTC6(9)	35	bottom	FCTC6(9)	X3S31-2		
X3S31	. 20 5	$\tilde{z}$	X3S31	3	VME-1/6	5	8	FCTC5(8)	36	top	FCTC5(8)	X3S31-3		
XIL31   2   VME-1/9   10   9   FCTC10(9)   37   bottom   FCTC10(9)   XIL31-2   XIL31   3   VME-1/8   9   8   FCTC9(8)   38   bottom   FCTC10(8)   XIL31-3   SIL31-3   SIL31-4   VME-1/10   11   2   FCTC11(2)   39   bottom   FCTC10(8)   XIL31-4   SIL31   1   VME-1/10   11   2   FCTC11(2)   39   bottom   FCTC11(2)   XIE31-1   SIL31   2   VME-1/10   12   2   FCTC12(2)   39   bottom   FCTC12(2)   XIE31-2   XIE31   3   VME-1/11   11   3   FCTC11(3)   40   bottom   FCTC12(2)   XIE31-3   SIL31-4   VME-1/11   12   3   FCTC12(3)   40   bottom   FCTC12(3)   XIE31-4   SIL31   4   VME-1/11   12   3   FCTC11(8)   41   bottom   FCTC12(3)   XIE31-4   SIL31-4   SIL31   4   VME-1/11   12   12   8   FCTC12(8)   41   bottom   FCTC12(8)   XIE31-4   SIL31-4   SIL31-4	4	7	X3S31	4	VME-1/6	6	8	FCTC6(8)	36	bottom	FCTC6(8)	X3S31-4		
X1E31	1 4		X1L31	1	VME-1/9	9	9	FCTC9(9)	37	top	FCTC9(9)	X1L31-1		
X1E31	Sec	رن [	X1L31	2	VME-1/9	10	9	FCTC10(9)	37	bottom	FCTC10(9)	X1L31-2		
X1E31	.60 5	ΞΙ	X1L31	3	VME-1/8	9	8	FCTC9(8)	38	top	FCTC9(8)	X1L31-3		
X1E31   2   VME-1/   10   12   2   FCTC12(2)   39   bottom   FCTC12(2)   X1E31-2   X1E31   3   VME-1/   11   11   3   FCTC11(3)   40   top   FCTC11(3)   X1E31-3   X1E31   4   VME-1/   11   12   3   FCTC12(3)   40   bottom   FCTC12(3)   X1E31-4   YME-1/   12   11   8   FCTC11(8)   41   top   FCTC11(8)   X3V31-1   YME-1/   12   12   8   FCTC12(8)   41   bottom   FCTC12(8)   X3V31-2   YME-1/   11   11   9   FCTC11(9)   42   top   FCTC11(9)   X3V31-3   YME-1/   11   12   9   FCTC12(9)   42   bottom   FCTC12(9)   X3V31-3   YME-1/   11   12   9   FCTC11(5)   43   top   FCTC11(5)   X5E41-1   YME-3/   11   12   5   FCTC12(5)   43   bottom   FCTC12(5)   X5E41-2   YME-3/   11   12   5   FCTC12(10)   44   top   FCTC11(10)   X5E41-3   YME-2/   11   12   10   FCTC12(10)   44   bottom   FCTC12(10)   X5E41-4   YME-3/   2   11   11   FCTC11(11)   45   top   FCTC11(11)   X5L41-1   YME-3/   2   12   11   FCTC12(11)   45   bottom   FCTC12(11)   X5L41-1   YME-3/   2   12   11   FCTC12(11)   46   top   FCTC3(10)   X5L41-3   YME-2/   2   3   10   FCTC3(10)   46   top   FCTC3(10)   X5L41-3   YME-2/   2   4   TOP   FCTC3(10)   X5L41-3   YME-2/   2   4   TOP   FCTC3(10)   X5L41-3   YME-2/   2   4   TOP   FCTC3(10)   X5L41-4   YME-2/   2   4   TOP   FCTC3(10)   X5L41-3   YME-2/   3   TOP   FCTC3(10)   X5L41-4   YME-2/   3   TOP   TOP			X1L31	4	VME-1/8	10	8	FCTC10(8)	38	bottom	FCTC10(8)	X1L31-4		
X1E31   3   VME-I/   11   11   3   FCTC11(3)   40   bottom   FCTC12(3)   X1E31-3   X1E31-3   X1E31   4   VME-I/   11   12   3   FCTC12(3)   40   bottom   FCTC12(3)   X1E31-4   X3V31   1   VME-I/   12   11   8   FCTC11(8)   41   top   FCTC11(8)   X3V31-1   X3V31   2   VME-I/   1   11   9   FCTC12(8)   41   bottom   FCTC12(8)   X3V31-2   X3V31   3   VME-I/   1   11   9   FCTC11(9)   42   top   FCTC11(9)   X3V31-3   X3V31   4   VME-I/   1   12   9   FCTC12(9)   42   bottom   FCTC12(9)   X3V31-4   X3E41   1   VME-3/   1   11   5   FCTC11(5)   43   bottom   FCTC12(9)   X3E41-1   X3E41   3   VME-2/   1   11   10   FCTC12(10)   44   top   FCTC11(10)   X3E41-3   X3E41   4   VME-3/   2   11   11   FCTC11(11)   45   top   FCTC12(11)   X3E41-1   X3E41   3   VME-2/   2   3   10   FCTC3(10)   46   top   FCTC3(10)   X3E41-3   X3E41   4   VME-2/   2   4   10   FCTC3(10)   46   bottom   FCTC12(10)   X3E41-3   X3E41   4   VME-2/   3   5   4   FCTC3(4)   47   top   FCTC3(4)   X3S41-1   X3S41   1   VME-2/   3   5   4   FCTC3(4)   47   top   FCTC3(4)   X3S41-1			X1E31	1	VME-1/ 10	11	2	FCTC11(2)	39	top	FCTC11(2)	X1E31-1		
X1E31   3   VME-I/   11   11   3   FCTC11(3)   40   bottom   FCTC12(3)   X1E31-3   X1E31-3   X1E31   4   VME-I/   11   12   3   FCTC12(3)   40   bottom   FCTC12(3)   X1E31-4   X3V31   1   VME-I/   12   11   8   FCTC11(8)   41   top   FCTC11(8)   X3V31-1   X3V31   2   VME-I/   1   11   9   FCTC12(8)   41   bottom   FCTC12(8)   X3V31-2   X3V31   3   VME-I/   1   11   9   FCTC11(9)   42   top   FCTC11(9)   X3V31-3   X3V31   4   VME-I/   1   12   9   FCTC12(9)   42   bottom   FCTC12(9)   X3V31-4   X3E41   1   VME-3/   1   11   5   FCTC11(5)   43   bottom   FCTC12(9)   X3E41-1   X3E41   3   VME-2/   1   11   10   FCTC12(10)   44   top   FCTC11(10)   X3E41-3   X3E41   4   VME-3/   2   11   11   FCTC11(11)   45   top   FCTC12(11)   X3E41-1   X3E41   3   VME-2/   2   3   10   FCTC3(10)   46   top   FCTC3(10)   X3E41-3   X3E41   4   VME-2/   2   4   10   FCTC3(10)   46   bottom   FCTC12(10)   X3E41-3   X3E41   4   VME-2/   3   5   4   FCTC3(4)   47   top   FCTC3(4)   X3S41-1   X3S41   1   VME-2/   3   5   4   FCTC3(4)   47   top   FCTC3(4)   X3S41-1	Sec. 1	γ̈.	X1E31	2	VME-1/ 10	12	2	FCTC12(2)	39	bottom	FCTC12(2)	X1E31-2		
X1E31   4   VME-1/  11   12   3   FCTC12(3)   40   bottom   FCTC12(3)   X1E31-4   Y3V31   1   VME-1/  12   11   8   FCTC11(8)   41   top   FCTC11(8)   X3V31-1   Y3V31   2   VME-1/  12   12   8   FCTC12(8)   41   bottom   FCTC12(8)   X3V31-2   Y3V31   3   VME-1/  1   11   9   FCTC11(9)   42   top   FCTC11(9)   X3V31-3   X3V31   4   VME-1/  1   12   9   FCTC12(9)   42   bottom   FCTC12(9)   X3V31-4   Y3SE41   1   VME-3/  1   11   5   FCTC11(5)   43   bottom   FCTC12(9)   X3V31-4   Y3SE41   2   VME-3/  1   12   5   FCTC12(5)   43   bottom   FCTC12(5)   X5E41-1   Y3SE41   3   VME-2/  1   11   10   FCTC11(10)   44   top   FCTC11(10)   X5E41-3   Y3SE41   4   VME-3/  2   11   11   FCTC11(11)   45   top   FCTC12(10)   X5E41-4   Y3SE41   2   VME-3/  2   12   11   FCTC12(11)   45   bottom   FCTC12(11)   X5L41-1   Y3SE41   3   VME-2/  2   3   10   FCTC3(10)   46   bottom   FCTC3(10)   X5L41-3   X3SE41   4   VME-2/  2   4   10   FCTC3(10)   46   bottom   FCTC3(10)   X5L41-3   X3SE41   4   VME-2/  3   5   4   FCTC5(4)   47   top   FCTC5(4)   X3SE41-1   Y3SE41-1    . 50 E	XII	X1E31	3	VME-1/ 11	11	3	FCTC11(3)	40	top	FCTC11(3)	X1E31-3			
X3V3    3   VME-I/    11   9   FCTC11(9)   42   top   FCTC11(9)   X3V31-3   X3V31   4   VME-I/  1   12   9   FCTC12(9)   42   bottom   FCTC12(9)   X3V31-4   X5E41   1   VME-3/  1   11   5   FCTC11(5)   43   top   FCTC11(5)   X5E41-1   X5E41   3   VME-2/  1   11   10   FCTC12(5)   43   bottom   FCTC12(5)   X5E41-2   X5E41   3   VME-2/  1   11   10   FCTC11(10)   44   top   FCTC11(10)   X5E41-3   X5E41   4   VME-2/  1   12   10   FCTC12(10)   44   bottom   FCTC12(10)   X5E41-4   X5L41   1   VME-3/  2   11   11   FCTC12(11)   45   bottom   FCTC12(11)   X5L41-1   X5L41   X5L41   3   VME-2/  2   3   10   FCTC3(10)   46   top   FCTC3(10)   X5L41-3   X5L41   4   VME-2/  2   4   10   FCTC3(10)   46   bottom   FCTC4(10)   X5L41-4   X3S41   1   VME-2/  3   5   4   FCTC5(4)   47   top   FCTC5(4)   X3S41-1		`		4		12	3	FCTC12(3)	40	bottom	FCTC12(3)	X1E31-4		
X3V3    3   VME-I/    11   9   FCTC11(9)   42   top   FCTC11(9)   X3V31-3   X3V31   4   VME-I/  1   12   9   FCTC12(9)   42   bottom   FCTC12(9)   X3V31-4   X5E41   1   VME-3/  1   11   5   FCTC11(5)   43   top   FCTC11(5)   X5E41-1   X5E41   3   VME-2/  1   11   10   FCTC12(5)   43   bottom   FCTC12(5)   X5E41-2   X5E41   3   VME-2/  1   11   10   FCTC11(10)   44   top   FCTC11(10)   X5E41-3   X5E41   4   VME-2/  1   12   10   FCTC12(10)   44   bottom   FCTC12(10)   X5E41-4   X5L41   1   VME-3/  2   11   11   FCTC12(11)   45   bottom   FCTC12(11)   X5L41-1   X5L41   X5L41   3   VME-2/  2   3   10   FCTC3(10)   46   top   FCTC3(10)   X5L41-3   X5L41   4   VME-2/  2   4   10   FCTC3(10)   46   bottom   FCTC4(10)   X5L41-4   X3S41   1   VME-2/  3   5   4   FCTC5(4)   47   top   FCTC5(4)   X3S41-1	t 6	_, [	X3V31	1	VME-1/ 12	11	8	FCTC11(8)	41	top	FCTC11(8)	X3V31-1		
X3V3    3   VME-I/    11   9   FCTC11(9)   42   top   FCTC11(9)   X3V31-3   X3V31   4   VME-I/  1   12   9   FCTC12(9)   42   bottom   FCTC12(9)   X3V31-4   X5E41   1   VME-3/  1   11   5   FCTC11(5)   43   top   FCTC11(5)   X5E41-1   X5E41   3   VME-2/  1   11   10   FCTC12(5)   43   bottom   FCTC12(5)   X5E41-2   X5E41   3   VME-2/  1   11   10   FCTC11(10)   44   top   FCTC11(10)   X5E41-3   X5E41   4   VME-2/  1   12   10   FCTC12(10)   44   bottom   FCTC12(10)   X5E41-4   X5L41   1   VME-3/  2   11   11   FCTC12(11)   45   bottom   FCTC12(11)   X5L41-1   X5L41   X5L41   3   VME-2/  2   3   10   FCTC3(10)   46   top   FCTC3(10)   X5L41-3   X5L41   4   VME-2/  2   4   10   FCTC3(10)   46   bottom   FCTC4(10)   X5L41-4   X3S41   1   VME-2/  3   5   4   FCTC5(4)   47   top   FCTC5(4)   X3S41-1		<u>₹</u> [		2		12	8	FCTC12(8)	41	bottom		X3V31-2		
X3V31   4   VME-1/   1   12   9   FCTC12(9)   42   bottom   FCTC12(9)   X3V31-4   X5E41   1   VME-3/   1   11   5   FCTC11(5)   43   top   FCTC11(5)   X5E41-1   X5E41   2   VME-3/   1   12   5   FCTC12(5)   43   bottom   FCTC12(5)   X5E41-2   X5E41   3   VME-2/   1   11   10   FCTC11(10)   44   top   FCTC11(10)   X5E41-3   X5E41   4   VME-2/   1   12   10   FCTC12(10)   44   bottom   FCTC12(10)   X5E41-4   X5L41   1   VME-3/   2   11   11   FCTC11(11)   45   top   FCTC11(11)   X5L41-1   X5L41   2   VME-3/   2   12   11   FCTC12(11)   45   bottom   FCTC12(11)   X5L41-2   X5L41   3   VME-2/   2   3   10   FCTC3(10)   46   top   FCTC3(10)   X5L41-3   X5L41   4   VME-2/   2   4   10   FCTC4(10)   46   bottom   FCTC4(10)   X5L41-4   X3S41   1   VME-2/   3   5   4   FCTC5(4)   47   top   FCTC5(4)   X3S41-1	<u>.</u> <u>a</u> <u>c</u>	] د	X3V31	3	VME-1/ 1	11	9	FCTC11(9)	42	top	FCTC11(9)	X3V31-3		
XSE41   3   VME-2/1   11   10   FCTC11(10)   44   top   FCTC11(10)   XSE41-3     XSE41   4   VME-2/1   12   10   FCTC12(10)   44   bottom   FCTC12(10)   XSE41-4     XSL41   1   VME-3/2   11   11   FCTC11(11)   45   top   FCTC11(11)   XSL41-1     XSL41   2   VME-3/2   12   11   FCTC12(11)   45   bottom   FCTC12(11)   XSL41-2     XSL41   3   VME-2/2   3   10   FCTC3(10)   46   top   FCTC3(10)   XSL41-3     XSL41   4   VME-2/2   4   10   FCTC4(10)   46   bottom   FCTC4(10)   XSL41-4     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSL41-1     XSL41   1   VME-2/3   1   VME-2/3   1   XSL41-1   XSL41-1   XSL41-1   XSL41-1   XSL41-1   XSL41-1   XSL41-1   XSL41-1   XSL41-1	II I		X3V31	4	VME-1/ 1	12	9	FCTC12(9)	42	bottom	FCTC12(9)	X3V31-4		
XSE41   3   VME-2/1   11   10   FCTC11(10)   44   top   FCTC11(10)   XSE41-3     XSE41   4   VME-2/1   12   10   FCTC12(10)   44   bottom   FCTC12(10)   XSE41-4     XSL41   1   VME-3/2   11   11   FCTC11(11)   45   top   FCTC11(11)   XSL41-1     XSL41   2   VME-3/2   12   11   FCTC12(11)   45   bottom   FCTC12(11)   XSL41-2     XSL41   3   VME-2/2   3   10   FCTC3(10)   46   top   FCTC3(10)   XSL41-3     XSL41   4   VME-2/2   4   10   FCTC4(10)   46   bottom   FCTC4(10)   XSL41-4     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSL41-1     XSL41   1   VME-2/3   1   VME-2/3   1   XSL41-1   XSL41-1   XSL41-1   XSL41-1   XSL41-1   XSL41-1   XSL41-1   XSL41-1   XSL41-1	t 1		X5E41	1	VME-3/ 1	11	5	FCTC11(5)	43	top	FCTC11(5)	X5E41-1		
XSE41   3   VME-2/1   11   10   FCTC11(10)   44   top   FCTC11(10)   XSE41-3     XSE41   4   VME-2/1   12   10   FCTC12(10)   44   bottom   FCTC12(10)   XSE41-4     XSL41   1   VME-3/2   11   11   FCTC11(11)   45   top   FCTC11(11)   XSL41-1     XSL41   2   VME-3/2   12   11   FCTC12(11)   45   bottom   FCTC12(11)   XSL41-2     XSL41   3   VME-2/2   3   10   FCTC3(10)   46   top   FCTC3(10)   XSL41-3     XSL41   4   VME-2/2   4   10   FCTC4(10)   46   bottom   FCTC4(10)   XSL41-4     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSS41-1     XSL41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   XSL41-1     XSL41   1   VME-2/3   1   VME-2/3   1   XSL41-1   XSL41-1   XSL41-1   XSL41-1   XSL41-1   XSL41-1   XSL41-1   XSL41-1   XSL41-1	Sec 1	<u>4</u>	X5E41		VME-3/ 1	12	5	FCTC12(5)	43	bottom	FCTC12(5)	X5E41-2		
X5E41   4   VME-2/ 1   12   10   FCTC12(10)   44   bottom   FCTC12(10)   X5E41-4     X5L41   1   VME-3/ 2   11   11   FCTC11(11)   45   top   FCTC11(11)   X5L41-1     X5L41   2   VME-3/ 2   12   11   FCTC12(11)   45   bottom   FCTC12(11)   X5L41-2     X5L41   3   VME-2/ 2   3   10   FCTC3(10)   46   top   FCTC3(10)   X5L41-3     X5L41   4   VME-2/ 2   4   10   FCTC4(10)   46   bottom   FCTC4(10)   X5L41-4     X3S41   1   VME-2/ 3   5   4   FCTC5(4)   47   top   FCTC5(4)   X3S41-1     X3S41   1   VME-2/ 3   5   4   FCTC5(4)   47   top   FCTC5(4)   X3S41-1     X3S41   1   VME-2/ 3   5   4   FCTC5(4)   47   top   FCTC5(4)   X3S41-1     X3S41   1   VME-2/ 3   5   4   FCTC5(4)   47   top   FCTC5(4)   X3S41-1     X3S41   X3S41-1   X3S41-1   X3S41-1   X3S41-1   X3S41-1     X3S41   X3S41-1	.60 5	ا ۵	X5E41	3	VME-2/ 1	11	10	FCTC11(10)	44	top	FCTC11(10)	X5E41-3		
X5L41   2   VME-3/ 2   12   11   FCTC12(11)   45   bottom   FCTC12(11)   X5L41-2   X5L41   3   VME-2/ 2   3   10   FCTC3(10)   46   bottom   FCTC3(10)   X5L41-3   X5L41   4   VME-2/ 2   4   10   FCTC4(10)   46   bottom   FCTC4(10)   X5L41-4   X3S41   1   VME-2/ 3   5   4   FCTC5(4)   47   top   FCTC5(4)   X3S41-1	[ <u> </u>	] [	X5E41	4	VME-2/ 1	12	10	FCTC12(10)	44	bottom	FCTC12(10)	X5E41-4		
m X3S41 1 VME-2/3 5 4 FCTC5(4) 47 top FCTC5(4) X3S41-1	t 2		X5L41	1	VME-3/2	11	11	FCTC11(11)	45	top	FCTC11(11)	X5L41-1		
m X3S41 1 VME-2/3 5 4 FCTC5(4) 47 top FCTC5(4) X3S41-1	Sec	<u>4</u> [	X5L41	2	VME-3/ 2	12	11	FCTC12(11)	45	bottom		X5L41-2		
m X3S41 1 VME-2/3 5 4 FCTC5(4) 47 top FCTC5(4) X3S41-1	9 5	X5I	X5L41	3	VME-2/2	3	10	FCTC3(10)	46	top	FCTC3(10)	X5L41-3		
X3S41   1   VME-2/3   5   4   FCTC5(4)   47   top   FCTC5(4)   X3S41-1   X3S41   2   VME-2/3   6   4   FCTC6(4)   47   bottom   FCTC6(4)   X3S41-2		1	X5L41	4	VME-2/ 2	4	10	FCTC4(10)	46	bottom		X5L41-4		
3         3         X3S41         2         VME-2/3         6         4         FCTC6(4)         47         bottom         FCTC6(4)         X3S41-2	t 3		X3S41	1	VME-2/3	5	4	FCTC5(4)	47	top	FCTC5(4)	X3S41-1		
	Sect 7	42	X3S41	2	VME-2/3	6	4	FCTC6(4)	47	bottom	FCTC6(4)	X3S41-2		
<b>80 X3S41 3 VME-3/3 3 11 FCTC3(11)</b> 48 top FCTC3(11) X3S41-3	.50 5	ğ	X3S41	3	VME-3/3	3	11	FCTC3(11)	48	top	FCTC3(11)	X3S41-3		
X3S41   3   VME-3/3   3   11   FCTC3(11)   48   top   FCTC3(11)   X3S41-3   X3S41   4   VME-3/3   4   11   FCTC4(11)   48   bottom   FCTC4(11)   X3S41-4	T.	1	X3S41	4	VME-3/3	4	11	FCTC4(11)	48	bottom	FCTC4(11)	X3S41-4		

		On l	Disk			F.	ED	FiberBund	dle		
Trigg	ger	Mini	Cst.	Peripheral	Crate	Cst.	Full				
Sect	tor	Rack	Pos.	Crate	#	Pos.	Specification	bundle#	FED mod	ule	Perate module
t 4		X1L41	1	VME-2/4	5	10	FCTC5(10)	49	top	FCTC5(10)	X1L41-1
Sect	41	X1L41	2	VME-2/ 4	6	10	FCTC6(10)	49	bottom	FCTC6(10)	X1L41-2
Trig S	X1L41	X1L41	3	VME-3/4	5	5	FCTC5(5)	50	top	FCTC5(5)	X1L41-3
T	,	X1L41	4	VME-3/4	6	5	FCTC6(5)	50	bottom	FCTC6(5)	X1L41-4
t 5		X1E41	1	VME-3/ 5	5	11	FCTC5(11)	51	top	FCTC5(11)	X1E41-1
Sec	341	X1E41	2	VME-3/5	6	11	FCTC6(11)	51	bottom	FCTC6(11)	X1E41-2
Trig Sect 5	X1E41	X1E41	3	VME-2/5	9	10	FCTC9(10)	52	top	FCTC9(10)	X1E41-3
		X1E41	4	VME-2/5	10	10	FCTC10(10)	52	bottom	FCTC10(10)	X1E41-4
Sect 6		X3V41	1	VME-3/6	9	11	FCTC9(11)	53	top	FCTC9(11)	X3V41-1
Sec	X3V41	X3V41	2	VME-3/6	10	11	FCTC10(11)	53	bottom	FCTC10(11)	X3V41-2
.60	8	X3V41	3	VME-2/6	- 11	4	FCTC11(4)	54	top	FCTC11(4)	X3V41-3
Trig 5		X3V41	4	VME-2/6	12	4	FCTC12(4)	54	bottom	FCTC12(4)	X3V41-4
t 1		X5E51	1	VME-4/ 1	9	12	FCTC9(12)	55	top	FCTC9(12)	X5E51-1
Trig Sect 1	X5E51	X5E51	2	VME-4/ 1	10	12	FCTC10(12)	55	bottom	FCTC10(12)	X5E51-2
.60	X51	X5E51	3	N/A							) X5E51-3
		X5E51	4	N/A						(	) X5E51-4
Sect 2		X5L51	1	VME-4/ 2	11	6	FCTC11(6)	56	top	FCTC11(6)	X5L51-1
Sec	X5L51	X5L51	2	VME-4/2	12	6	FCTC12(6)	56	bottom	FCTC12(6)	X5L51-2
Trig 5		X5L51	3	N/A							) X5L51-3
T	,	X5L51	4	N/A							) X5L51-4
Sect 3		X3S51	1	N/A						(	) X3S51-1
Sec	S51	X3S51	2	N/A						(	) X3S51-2
Trig 5	X3S51	X3S51	3	VME-4/ 3	11	12	FCTC11(12)	57	top	FCTC11(12)	X3S51-3
Tr		X3S51	4	VME-4/ 3	12	12	FCTC12(12)	57	bottom	FCTC12(12)	X3S51-4
Sect 4	_	X1L51	1	N/A							) X1L51-1
Se	[2]	X1L51	2	N/A							) X1L51-2
Trig	X1L51	X1L51	3	VME-4/ 4	3	12	FCTC3(12)	58	top	FCTC3(12)	X1L51-3
Tr		X1L51	4	VME-4/ 4	4	12	FCTC4(12)	58	bottom	FCTC4(12)	X1L51-4
Sect 5		X1E51	1	VME-4/ 5	5	6	FCTC5(6)	59	top	FCTC5(6)	X1E51-1
Sec	X1E51	X1E51	2	VME-4/ 5	6	6	FCTC6(6)	59	bottom	FCTC6(6)	X1E51-2
Trig 5	$\mathbb{Z}$	X1E51	3	N/A						(	) X1E51-3
	,	X1E51	4	N/A						(	) X1E51-4
t 6		X3V51	1	VME-4/ 6	5	12	FCTC5(12)	60	top	FCTC5(12)	X3V51-1
Sec	75	X3V51	2	VME-4/ 6	6	12	FCTC6(12)	60	bottom	FCTC6(12)	X3V51-2
Trig Sect 6	X3V51	X3V51	3	N/A						(	) X3V51-3
$\mathrm{Tr}$	,	X3V51	4	N/A						(	) X3V51-4