

TASK CLOSE OUT DOCUMENT

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IAG*

Task Scope Ex Care VIC Inc Readings  
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To: M. Levenson  
S. Levy  
E. Zebroski

Task No. 34

Date Complete 5/1/79

Reason felt task is complete:

Reported  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Members of Committee

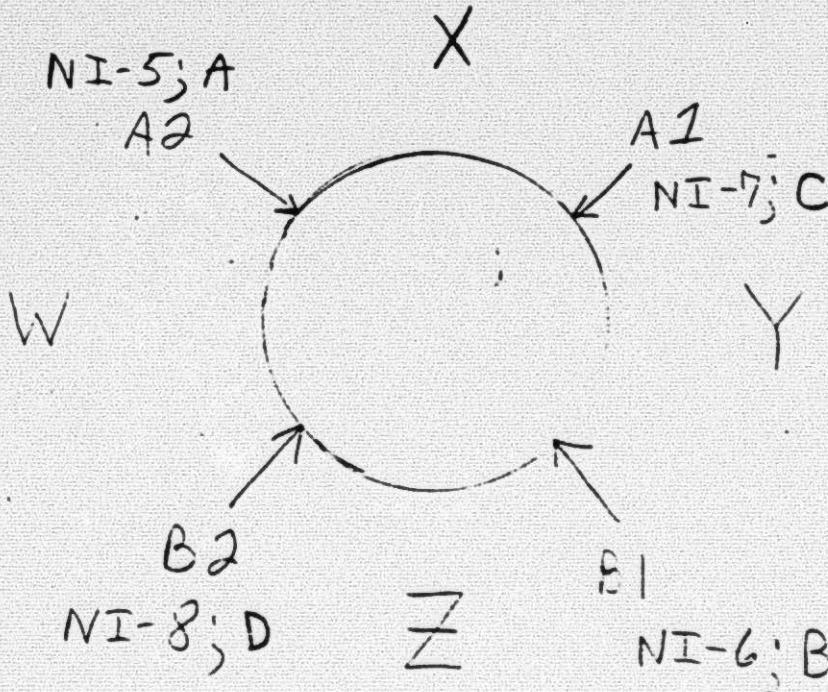
A. Ball  
E. Kalkberg  
L. Keresch  
L. Minard  
E. Bousler  
\_\_\_\_\_  
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*M. Ackerman*  
\_\_\_\_\_  
Signed  
Committee Leader

N. J. Ackermann  
R. Ball  
L. Kolonay  
L. Secrest  
D. Mennard  
R. Banda

TO: SIG Distribution  
FROM: N. J. Ackermann  
SUBJECT: Ex-Core Power Range  $I_{dc}$  Measurement

The purpose of this document is to present the current data base for the ex-core power range (uncompensated ion chamber) measurements. These detectors have two six foot (upper and lower) sections and are located approximately six inches outside the reactor vessel with the detector interface at the core midplan and arranged as shown with the various arrangement designations:



There has been confusion about the arrangements and designations of these detectors and the diagrams should remove this confusion (e.g. the NI-5 UIC detector is also designated as the A detector or by the A2 pump or the WX quadrant).

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The VIC  $I_{dc}$  measurements data base is presented below:

<u>4/7/79</u>	$I_{DC}$ (nonoamps)		
	Upper	Lower	R(V/I)
A/NI-5	3.6	2.8	1.2
B/NI-6	2.4	2.4	1.0
C/NI-7	2.9	2.6	1.1
D/NI-8	3.3	3.0	1.1
<u>4/11/79</u>			
A/NI-5	2.8	2.1	1.3
B/NI-6	1.9	1.8	1.1
C/NI-7	2.2	2.0	1.1
D/NI-8	2.6	2.4	1.1
<u>4/25/79</u>			
A/NI-5	1.35	0.80	1.7
B/NI-6	0.74	0.72	1.0
C/NI-7	0.90	0.78	1.2
D/NI-8	1.30	0.94	1.4
<u>4/27/79 1200 hours</u>			
A/NI-5	1.5	0.8	1.9
B/NI-6	0.8	-*	
C/NI-7	1.0	0.8	1.25
D/NI-8	1.2	1.0	1.2
<u>4/27/79 1620 hours</u>			
A/NI-5	1.2	0.7	1.7

\* Connector stuck

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4/28/79 0945 hours

	$I_{DC}$ (nonoamps)		R(v/1)
	Upper	Lower	
A/NI-5	1.25	0.66	1.9

4/28/79 1530 hours

A/NI-5	1.10	0.55	1.7
B/NI-6	0.60	0.60	1.0
C/NI-7	0.80	0.67	1.2
D/NI-8	1.01	1.02	1.0

## UIC CURRENT

CABINET 37 A/NL 5

DATE	TIME	UPPER CHAMBER CURRENT (A)	LOWER CHAMBER CURRENT (A)
		(KEITHLY 419)	(KEITHLY 416)
4/28	1300	1.2	.658
4/28	1400	1.2	.656
4/28	1500	1.2	.655
4/28	1600	Removed	
"	1700	"	<del>.649</del>
"	1800	1.2	.649
"	1900	1.3	.645
"	2000	1.3	.642
"	2100	1.2	.638
"	2200	1.2	.635
"	2300	1.2	.635
4/29/49	0000	1.2	.634
"	0100	1.2	.632
"	0200 to 300	1.2	.633
"	0400	1.2	.632
"	0500	1.25	.631
"	0600	1.3	.630
"	0700	1.2	.626
"	0800	1.2	.623
"	0900	1.2	.618
"	1000	1.2	.616
"	1100	1.2	.615
"	1200	1.3	.609
"	1300	1.3	.606
"	1400	1.2	.604
"	1500	1.2	.603
"	1600	1.3	.600
"	1700	1.2	.600
"	1800	1.2	.596
"	1900	1.1	

## VIC CURRENT

CABINET 37

NI 5

DATE	TIME	UPPER CHAMBER CURRENT (mA)	LOWER CHAMBER CURRENT (mA)
4/19/79	2000	1.18	.592
"	2100	1.18	.590
"	2200	1.18	.587
"	2300	1.1	.584
4/30/79	0000	1.1	.584
"	0100	1.14	.581
"	0200	1.2	.580
"	0300	1.3	.580
"	0400	1.2	.578
"	0500	1.1	.578
"	0600	1.1	.576
"	0700	1.1	.574
	0800	1.1	.570
	0900	1.1	.569
	1000	1.1	.568
	1100	1.1	.564
	1200	1.1	.564
	1300	1.2	.561
	1400	1.2	.559
	1500	1.1	.557
	1600	1.2	.556