CORE-LOADING DIAGRAMS FOR EBR-II RUNS 51-67
(August 1971-December 1973)

Compiled by
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MASTER

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INTRODUCTION

This report contains the core-loading diagrams for EBR-II runs 51 through 67, which were made in EBR-II between August 1971 and December 1973. During those runs, the reactor accumulated 25,679 MWd of operation. (The reactor had been operated for an additional 46,863 MWd in runs 1-50, made between August 1964 and August 1971.) This report supplements similar reports, ANL/EPR-007 and ANL/EBR-042, which showed the core-loading diagrams for earlier runs.

The loading diagrams appear in numerical, and thus chronological, order. Locations of experiments are highlighted in each diagram through the use of a black background behind the identifying numbers of the experiments. The center of the core is identified in each diagram by a circle, and the core sectors are identified by the letters A through F around the perimeter of the core diagram.

A table at the end of the report summarizes the pertinent information for every EBR-II run through run 67.

KEY: SSTH - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C ₆ - CONTROL ROD	MK-11 - MARK 11 FUEL
S ₆ - SAFETY ROD	EBU - EXTENDED BURNUP
D - DRIVER FUEL	OSC - OSCILLATOR ROD

EBR-11 LOADING PATTERN

RUN NO. 51A

KEY: SSSH - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MK-II - MARK II FUEL
SN - SAFETY ROD	EBU - EXTENDED BURNUP
D - DRIVER FUEL	OSC - OSCILLATOR ROD
	W - FLUX WIRE

B

EBR-II LOADING PATTERN

RUN NO. 518

KEY: SSTH - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MKII - MARK II FUEL
S# - SAFETY ROD	EBU - EXTENDED BURNUP
D - DRIVER FUEL	OSC - OSCILLATOR ROD

EBR-II LOADING PATTERN

RUN NO. 51C

P - 1/2 DRIVER FUEL, 1/2 SST
B - DEPLETED URANIUM
R - SST REFLECTOR
MKII - MARK II FUEL
OSC - OSCILLATOR ROD
ISD - INST. S/A DUMMY

EBR-11 LOADING PATTERN
RUN NO. 52A

P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
B - DEPLETED URANIUM
R - SST REFLECTOR
MKII - MARK II FUEL
OSC - OSCILLATOR ROD
ISD - INST. S/A DUMMY

EBR-II LOADING PATTERN
RUN NO. 52C

KEY: SSTH - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MKII - MARK II FUEL
S# - SAFETY ROD	OSC - OSCILLATOR ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY

EBR-II LOADING PATTERN
RUN NO. 53A

KEY: SSTH - SST THIMBLE
BETH - BERYLLIUM THIMBLE
SSCR - SST CONTROL ROD
C# - CONTROL ROD
S# - SAFETY ROD
D - DRIVER FUEL

P - 1/2 DRIVER FUEL, 1/2 SST
B - DEPLETED URANIUM
R - SST REFLECTOR
MKII - MARK II FUEL
OSC - OSCILLATOR ROD
ISD - INST. S/A DUMMY

EBR-II LOADING PATTERN
RUN NO. 53B

KEY:	SSTH - SST THIMBLE	P	- $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
	BETH - BERYLLIUM THIMBLE	B	- DEPLETED URANIUM
	SSCR - SST CONTROL ROD	R	- SST REFLECTOR
	C# - CONTROL ROD	MKII	- MARK II FUEL
	S# - SAFETY ROD	OSC	- OSCILLATOR ROD
	D - DRIVER FUEL	ISD	- INST. S/A DUMMY

EBR-II LOADING PATTERN
RUN NO. 53 C

KEY: Ssth - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MK-II - MARK II FUEL
S# - SAFETY ROD	OSC - OSCILLATOR ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY

EBR-II LOADING PATTERN
RUN NO. 53 D

KEY: SSTH - SST THIMBLE	P - DRIVER FUEL, SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MK-II - MARK II FUEL
S# - SAFETY ROD	OSC - OSCILLATOR ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY

EBR-II LOADING PATTERN

RUN NO. 53E

KEY: SSTH - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MK-II - MARK II FUEL
S# - SAFETY ROD	OSC - OSCILLATOR ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY

EBR-II LOADING PATTERN
RUN NO. 55A

KEY: SSTH - SST THIMBLE
 BETH - BERYLLIUM THIMBLE
 SSCR - SST CONTROL ROD
 CR - CONTROL ROD
 SR - SAFETY ROD
 D - DRIVER FUEL

P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
 B - DEPLETED URANIUM
 R - SST REFLECTOR
 MK-II - MARK II FUEL
 HW - HIGH WORTH CONTROL ROD
 ISD - INST. S/A DUMMY
 SD - STRUCTURAL DUMMY

NOTE:

XG04B is located in position 9C7

EBR-II LOADING PATTERN
 RUN NO. 56A

KEY: SSTH - SST THIMBLE P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
 BETH - BERYLLIUM THIMBLE B - DEPLETED URANIUM
 SSCR - SST CONTROL ROD R - SST REFLECTOR
 CR - CONTROL ROD MKII - MARK II FUEL
 SR - SAFETY ROD HW - HIGH WORTH CONTROL ROD
 D - DRIVER FUEL ISD - INST. S/A DUMMY
 SD - STRUCTURAL DUMMY
 B W,WF,WS - FLUX WIRE

NOTE:

XG048 is located in
position 9C7

EBR-II LOADING PATTERN

RUN NO. 56B

KEY: SSTD - SST THIMBLE
 BETH - BERYLLIUM THIMBLE
 SSCR - SST CONTROL ROD
 C# - CONTROL ROD
 S# - SAFETY ROD
 D - DRIVER FUEL

P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
 B - DEPLETED URANIUM
 R - SST REFLECTOR
 MK-11 - MARK 11 FUEL
 HW - HIGH WORTH CONTROL ROD
 ISD - INST. S/A DUMMY
 SD - STRUCTURAL DUMMY

EBR-II LOADING PATTERN

RUN NO. 57

KEY: Ssth - SST THIMBLE	F - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MK-11 - MARK 11 FUEL
S# - SAFETY ROD	HW - HIGH WORTH CONTROL ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY
	SD - STRUCTURAL DUMMY

EBR-II LOADING PATTERN
RUN NO. 58A

KEY: SSTH - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MKII - MARK II FUEL
S# - SAFETY ROD	HW - HIGH WORTH CONTROL ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY
	SD - STRUCTURAL DUMMY

Note:

X117A is located in position 9C8

EBR-II LOADING PATTERN
RUN NO. 58B

KEY: SSSH - SST THIMBLE	P - 1/2 DRIVER FUEL, 1/2 SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MK-11 - MARK 11 FUEL
S# - SAFETY ROD	HW - HIGH WORTH CONTROL ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY
	SD - STRUCTURAL DUMMY

Note:

X117A is located in
position 9C8

EBR-11 LOADING PATTERN
RUN NO. 58C

KEY: SETH - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MKII - MARK II FUEL
S# - SAFETY ROD	HW - HIGH WORTH CONTROL ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY
	SD - STRUCTURAL DUMMY

EBR-II LOADING PATTERN

RUN NO. 59A

KEY: SETH - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MKII - MARK II FUEL
S# - SAFETY ROD	HW - HIGH WORTH CONTROL ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY
	SD - STRUCTURAL DUMMY

EBR-II LOADING PATTERN
RUN NO. 598

KEY: SSTH - SST THIMBLE
BETH - BERYLLIUM THIMBLE
SSCR - SST CONTROL ROD
C# - CONTROL ROD
S# - SAFETY ROD
D - DRIVER FUEL

P - 1/2 DRIVER FUEL, 1/2 SST
B - DEPLETED URANIUM
R - SST REFLECTOR
MKII - MARK II FUEL
HW - HIGH WORTH CONTROL ROD
ISD - INST. S/A DUMMY
SD - STRUCTURAL DUMMY

EBR-11 LOADING PATTERN
RUN NO. 60

KEY: S5TH - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MKII - MARK II FUEL
S# - SAFETY ROD	HW - HIGH WORTH CONTROL ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY
	SD - STRUCTURAL DUMMY

EBR-II LOADING PATTERN
RUN NO. 61A

KEY: SSTH - SST THIMBLE
BETH - BERYLLIUM THIMBLE
SSCR - SST CONTROL ROD
C# - CONTROL ROD
S# - SAFETY ROD
D - DRIVER FUEL

P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
B - DEPLETED URANIUM
R - SST REFLECTOR
MK11 - MARK 11 FUEL
HW - HIGH WORTH CONTROL ROD
ISD - INST. S/A DUMMY
SD - STRUCTURAL DUMMY

EBR-11 LOADING PATTERN
RUN NO. 61B

KEY: SSTH - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MK II - MARK II FUEL
S# - SAFETY ROD	HW - HIGH WORTH CONTROL ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY
	SD - STRUCTURAL DUMMY

EBR-II LOADING PATTERN
RUN NO. 62A

KEY: Ssth - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MK II - MARK II FUEL
S# - SAFETY ROD	HW - HIGH WORTH CONTROL ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY
	SD - STRUCTURAL DUMMY

EBR-II LOADING PATTERN
RUN NO. 62C

KEY:	SSTH - SST THIMBLE	P	- $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
	BETH - BERYLLIUM THIMBLE	B	- DEPLETED URANIUM
	SSCR - SST CONTROL ROD	R	- SST RELECTOR
	C# - CONTROL ROD	MK II	- MARK II FUEL
	S# - SAFETY ROD	HW	- HIGH WORTH CONTROL ROD
	D - DRIVER FUEL	ISD	- INST. S/A DUMMY
		SD	- STRUCTURAL DUMMY

EBR-II LOADING PATTERN

RUN NO. 62D

KEY: SSTH - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MK II - MARK II FUEL
S# - SAFETY ROD	HW - HIGH WORTH CONTROL ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY
	SD - STRUCTURAL DUMMY

EBR-II LOADING PATTERN
RUN NO. 62E

KEY: SSTH - SST THIMBLE
 BETH - BERYLLIUM THIMBLE
 SSCR - SST CONTROL ROD
 C# - CONTROL ROD
 S# - SAFETY ROD
 D - DRIVER FUEL
 P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
 B - DEPLETED URANIUM
 R - SST REFLECTOR
 MK II - MARK II FUEL
 HW - HIGH WORTH CONTROL ROD
 ISD - INST. S/A DUMMY
 SD - STRUCTURAL DUMMY

EBR-II LOADING PATTERN
 RUN NO. 63

KEY: Ssth - SST THIMBLE
BETH - BERYLLIUM THIMBLE
SSCR - SST CONTROL ROD
C# - CONTROL ROD
S# - SAFETY ROD
D - DRIVER FUEL

P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
B - DEPLETED URANIUM
R - SST REFLECTOR
MK11 - MARK 11 FUEL
HW - HIGH WORTH CONTROL ROD
ISD - INST. S/A DUMMY
SD - STRUCTURAL DUMMY

NOTE:

X118A IN POSITION 9C1
X117B IN POSITION 9C8

EBR-II LOADING PATTERN
RUN NO. 64

KEYS:	SSTH - SST THIMBLE	P	- 1/2 DRIVER FUEL, 1/2 SST
	BETH - BERYLLIUM THIMBLE	B	- DEPLETED URANIUM
	SSCR - SST CONTROL ROD	R	- SST REFLECTOR
	C# - CONTROL ROD	MK II	- MARK II FUEL
	S# - SAFETY ROD	HW	- HIGH WORTH CONTROL ROD
	D - DRIVER FUEL	ISD	- INST. S/A DUMMY
		SD	- STRUCTURAL DUMMY

NOTE:

X117B IN POSITION 9C8
X118A IN POSITION 9C1

EBR-II LOADING PATTERN

RUN NO. 65A

P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
B - DEPLETED URANIUM
R - SST REFLECTOR
MKII - MARK II FUEL
HW - HIGH WORTH CONTROL ROD
ISD - INST. S/A DUMMY
SD - STRUCTURAL DUMMY

RUN NO. 65B

KEY: Ssth - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	R - DEPLETED URANIUM
SSCR - SST CONTROL ROD	B - SST REFLECTOR
C# - CONTROL ROD	MK II - MARK II FUEL
S# - SAFETY ROD	HW - HIGH WORTH CONTROL ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY
	SD - STRUCTURAL DUMMY

NOTE:
 X118A IN POSITION 9C1
 X117B IN POSITION 9C8

EBR-II LOADING PATTERN
 RUN NO. 65C

KEY: SSTH - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MK II - MARK II FUEL
S# - SAFETY ROD	HW - HIGH WORTH CONTROL ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY
	SD - STRUCTURAL DUMMY

NOTE:

X118A IN POSITION 9C1
X117B IN POSITION 9C8

EBR-II LOADING PATTERN

RUN NO. 66A

KEY: SSTH - SST THIMBLE
 BETH - BERYLLIUM THIMBLE
 SSCR - SST CONTROL ROD
 C# - CONTROL ROD
 S# - SAFETY ROD
 D - DRIVER FUEL
 P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
 B - DEPLETED URANIUM
 R - SST REFLECTOR
 MK II - MARK II FUEL
 HW - HIGH WORTH CONTROL ROD
 ISD - INST. S/A DUMMY
 SD - STRUCTURAL DUMMY

NOTE:

X118A IN POSITION 9C1
 X117B IN POSITION 9C8

EBR-II LOADING PATTERN

RUN NO. 66B

KEY: Ssth - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MK II - MARK II FUEL
S# - SAFETY ROD	HW - HIGH WORTH CONTROL ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY
	SD - STRUCTURAL DUMMY

NOTE:
X118A IN POSITION 9C1

EBR-II LOADING PATTERN
RUN NO. 66 D

KEY: SSTD - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MK II - MARK II FUEL
S# - SAFETY ROD	HW - HIGH WORTH CONTROL ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY
	SD - STRUCTURAL DUMMY

NOTE:
X118A IN POSITION 9C1

EBR-II LOADING PATTERN

RUN NO. 66 E

KEY: Ssth - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MK II - MARK II FUEL
S# - SAFETY ROD	HW - HIGH WORTH CONTROL ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY
	SD - STRUCTURAL DUMMY

EBR-II LOADING PATTERN
RUN NO. 66F

KEY: SSTH - SST THIMBLE	P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
BETH - BERYLLIUM THIMBLE	B - DEPLETED URANIUM
SSCR - SST CONTROL ROD	R - SST REFLECTOR
C# - CONTROL ROD	MK II - MARK II FUEL
S# - SAFETY ROD	HW - HIGH WORTH CONTROL ROD
D - DRIVER FUEL	ISD - INST. S/A DUMMY
	SD - STRUCTURAL DUMMY

NOTE:

X118A IN POSITION 9C1
X117B IN POSITION 9C8

EBR-II LOADING PATTERN

RUN NO. 66G

KEY: SSTH - SST THIMBLE ? - 1/2 DRIVER FUEL, 1/2 SST
 BETH - BERYLLIUM THIMBLE B - DEPLETED URANIUM
 SSCR - SST CONTROL ROD R - SST REFLECTOR
 C# - CONTROL ROD MKII - MARK II FUEL
 S# - SAFETY ROD HW - HIGH WORTH CONTROL ROD
 D - DRIVER FUEL ISD - INST. S/A DUMMY
 SD - STRUCTURAL DUMMY

NOTE: X118A IN POSITION 9C1
 X117B IN POSITION 9C8

EBR-II LOADING PATTERN

RUN NO. 67A

KEY: SSTH - SST THIMBLE
 BETH - BERYLLIUM THIMBLE
 SSCR - SST CONTROL ROD
 C# - CONTROL ROD
 S# - SAFETY ROD
 D - DRIVER FUEL
 P - $\frac{1}{2}$ DRIVER FUEL, $\frac{1}{2}$ SST
 B - DEPLETED URANIUM
 R - SST REFLECTOR
 MKII - MARK II FUEL
 HW - HIGH WORTH CONTROL ROD
 ISD - INST. S/A DUMMY
 SD - STRUCTURAL DUMMY

NOTE: X118A IN POSITION 9C1
 X117B IN POSITION 9C8

EBR-II LOADING PATTERN

RUN NO. 67B

EBR-II Power-run Information: Runs 1-67

Run No.	Megawatt-Days			Date			Core Size	Subassembly Type*				Experimentals	
	Start	Stop	Incr.	Start	Stop	Days		B	C	L	S	Rows 1-6	Row 7
1	0	343	343	8/1/64	8/23/64	22	73	12	7	11	2		
2	343	705	362	10/2/64	10/19/64	17	73	12	47	11	2		
3	705	1,280	575	3/15/65	4/10/65	26	72	11	47	12	2		
4	1,280	1,631	351	4/24/65	5/4/65	10	72	11	47	12	2		
5	1,631	2,003	372	5/10/65	5/21/65	11	76	14	46	12	2	2	
6	2,003	2,502	499	5/24/65	6/25/65	32	75	13	47	11	2	1	
7	2,502	2,927	425	7/29/65	8/15/65	17	74	12	47	11	2	1	3
8	2,927	3,320	393	9/7/65	9/19/65	12	74	12	47	11	2	1	3
9	3,320	3,665	345	10/13/65	10/21/65	8	78	15	46	11	2	3	3
10	3,665	3,980	315	10/28/65	11/7/65	10	79	17	44	11	2	4	3
11	3,980	4,280	300	11/18/65	11/27/65	9	79	17	44	11	2	4	3
12	4,280	4,750	470	11/30/65	12/11/65	11	78	16	44	11	2	4	3
13	4,750	5,050	300	12/17/65	12/24/65	7	80	18	43	11	2	5	3

*B--Blanket; C--Core; L--Control Rod; S--Safety Rod.

EBR-II Power-run Information: Runs 1-67 (contd)

Run No.	Megawatt-Days			Date			Core Size	Subassembly Type				Experimentals	
	Start	Stop	Incr.	Start	Stop	Days		B	C	L	S	Rows 1-6	Row 7
14	5,050	5,570	520	1/10/66	1/22/66	12	80	18	43	11	2	5	3
15	5,570	6,365	795	3/28/66	4/14/66	17	77	16	42	11	2	5	4
16	6,365	7,140	775	4/17/66	5/8/66	21	75	14	42	11	2	5	4
17	7,140	7,615	475	5/11/66	5/23/66	12	77	16	41	11	2	6	4
18	7,615	8,482	867	5/26/66	6/15/66	20	76	15	41	11	2	6	4
19	8,482	8,571	89	6/27/66	6/29/66	2	74	13	41	11	2	6	4
20	8,571	9,270	699	7/19/66	8/7/66	19	80	19	39	11	2	8	4
21	9,270	9,880	610	8/12/66	8/27/66	15	80	19	38	11	2	9	4
22	9,880	10,925	1,045	10/20/66	11/14/66	25	78	17	39	11	2	8	4
23	10,925	11,615	690	11/16/66	12/3/66	17	79	18	38	11	2	9	4
24	11,615	12,245	630	12/6/66	12/31/66	25	81	20	38	11	2	9	4
25	12,245	13,806	1,561	4/17/67	8/17/67	122	88	25	37	11	2	11	5
26A	13,806	13,893	87	9/22/67	9/29/67	7	88	25	38	11	2	10	5

EBR-II Power-run Information: Runs 1-67 (contd)

Run No.	Megawatt-Days			Date			Core Size	Subassembly Type				Experimentals	
	Start	Stop	Incr.	Start	Stop	Days		B	C	L	S	Rows 1-6	Row 7
26B	13,893	14,922	1,029	10/11/67	11/20/67	40	91	27	38	10	2	12	6
26C	14,922	15,541	619	11/22/67	12/12/67	21	91	25	36	10	2	16	6
27A	15,541	15,824	283	2/2/68	2/29/68	27	91	25	36	10	2	16	6
27B	15,824	16,001	177	3/1/68	3/5/68	4	91	25	35	10	2	17	6
27C	16,001	16,063	62	3/7/68	3/11/68	4	90	25	35	10	2	16	6
27D	16,063	16,349	286	3/30/68	4/6/68	7	90	25	36	10	2	15	7
27E	16,349	16,439	90	4/7/68	4/11/68	4	87	22	39	10	2	12	7
27F	16,439	16,507	68	4/13/68	4/16/68	3	86	24	39	10	2	9	8
27G	16,507	16,556	49	4/17/68	4/19/68	2	86	25	40	10	2	7	4
27H	16,556	16,762	206	4/25/68	5/2/68	7	83	22	42	10	2	5	4
27I	16,762	16,858	96	5/3/68	5/6/68	3	85	24	41	10	2	6	4
28A	16,858	17,012	154	5/9/68	5/13/68	4	86	25	41	10	2	6	6
28B	17,012	17,315	303	5/15/68	5/27/68	12	88	23	41	10	2	10	10

EBR-II Power-run Information: Runs 1-67 (contd)

Run No.	Megawatt-Days			Date			Core Size	Subassembly Type				Experimentals	
	Start	Stop	Incr.	Start	Stop	Days		B	C	L	S	Rows 1-6	Row 7
28C	17,315	17,984	669	5/29/68	6/15/68	17	88	23	35	10	2	16	10
29A	17,984	18,172	188	6/26/68	7/5/68	9	87	23	35	11	2	15	5
29B	18,172	18,196	24	7/9/68	7/11/68	2	89	25	35	11	2	15	5
29C	18,196	18,401	205	7/15/68	7/22/68	7	91	27	35	11	2	15	5
29D	18,401	19,111	710	7/25/68	8/16/68	22	91	27	35	11	2	15	11
30A	19,111	19,763	652	8/21/68	9/5/68	15	91	27	34	11	2	16	9
30B	19,763	19,929	166	9/7/68	9/11/68	4	91	27	34	11	2	16	9
30C	19,929	19,981	52	9/11/68	9/15/68	4	91	27	35	11	2	15	9
30D	19,981	20,060	79	9/17/68	9/21/68	4	90	28	40	11	2	8	6
30E	20,060	20,139	79	9/22/68	9/25/68	3	89	28	42	11	2	5	5
31A	20,139	20,228	89	9/30/68	10/4/68	4	90	26	36	11	2	14	9
31B	20,228	20,387	159	10/11/68	10/18/68	7	90	26	37	11	2	13	9
31C	20,387	20,471	84	10/19/68	10/22/68	3	90	26	37	11	2	13	9

EBR-II Power-run Information: Runs 1-67 (contd)

Run No.	Megawatt-Days			Date			Core Size	Subassembly Type				Experimentals	
	Start	Stop	Incr.	Start	Stop	Days		B	C	L	S	Rows 1-6	Row 7
31D	20,471	20,843	372	10/26/68	11/3/68	8	90	26	37	11	2	13	9
31E	20,843	20,843	0	11/4/68	11/4/68	1 hr	90	26	36	11	2	14	9
31F	20,843	21,256	413	11/5/68	11/14/68	9	90	26	36	11	2	14	9
31G	21,256	21,367	111	11/15/68	11/17/68	2	90	26	36	12	2	14	9
32A	12,367	22,219	852	11/27/68	12/17/68	20	90	26	34	11	2	16	9
32B	22,219	22,468	249	12/18/68	12/24/68	6	90	26	34	11	2	16	9
32C	22,468	22,540	72	12/25/68	12/27/68	2	90	26	35	11	2	15	9
32D	22,540	22,764	224	12/28/68	1/2/69	5	89	27	37	11	2	11	9
33A	22,764	23,364	600	2/25/69	3/29/69	32	90	25	33	11	2	18	8
33B	23,364	23,940	576	4/7/69	4/22/69	15	91	26	32	11	2	19	10
34A	23,940	24,762	822	4/25/69	5/13/69	18	91	26	30	11	2	21	11
34B	24,762	25,072	310	5/14/69	5/21/69	7	91	26	30	11	2	21	11
35	25,072	26,274	1,202	5/29/69	6/26/69	28	91	25	30	11	2	22	11

EBR-II Power-run Information: Runs 1-67 (contd)

Run No.	Megawatt-Days			Date			Core Size	Subassembly Type				Experimentals	
	Start	Stop	Incr.	Start	Stop	Days		B	C	L	S	Rows 1-6	Row 7
36A	26,274	27,074	800	6/30/69	7/20/69	20	91	24	32	11	2	21	12
36B	27,074	27,474	400	7/22/69	7/31/69	9	91	24	32	11	2	21	12
37	27,474	28,670	1,196	8/2/69	8/30/69	28	89	23	34	11	2	18	10
38A	28,670	29,440	770	9/10/69	9/28/69	18	89	28	42	11	2	5	7
38B	29,440	30,040	600	10/3/69	10/16/69	13	90	25	32	11	2	19	10
39A	30,040	30,811	771	12/16/69	1/10/70	25	91	25	32	10	2	21	8
39B	30,811	30,996	185	1/14/70	1/19/70	5	90	23	30	10	2	24	8
39C	30,996	31,411	415	1/19/70	1/28/70	9	90	23	30	10	2	24	8
40A	31,411	31,854	443	1/31/70	2/10/70	10	91	26	27	10	2	25	10
40B	31,854	32,778	924	2/10/70	3/1/70	19	91	26	27	10	2	25	10
41A	32,778	33,739	961	3/5/70	3/25/70	20	91	26	28	10	2	23	9
41B	33,739	33,896	157	3/27/70	4/1/70	5	91	26	28	10	2	23	10
42	33,896	35,240	1,344	4/18/70	5/18/70	30	91	26	26	10	2	26	11

EBR-II Power-run Information: Runs 1-67 (contd)

Run No.	Megawatt-Days			Date			Core Size	Subassembly Type				Experimentals	
	Start	Stop	Incr.	Start	Stop	Days		B	C	L	S	Rows 1-6	Row 7
43	35,240	36,590	1,350	5/26/70	6/23/70	28	91	25	29	10	2	24	10
44A	36,590	37,490	900	6/26/70	7/15/70	19	91	24	30	10	2	24	9
44B	37,490	37,941	451	7/25/70	8/4/70	10	91	24	32	10	2	22	9
45A	37,941	38,586	645	8/9/70	8/23/70	14	90	23	35	10	2	17	6
45B	38,586	39,291	705	8/26/70	9/10/70	15	91	24	35	10	2	17	5
46A	39,291	40,042	751	9/20/70	10/6/70	16	88	26	39	10	2	7	11
46B	40,042	40,841	799	10/8/70	10/22/70	14	88	26	39	11	2	9	10
47A	40,841	41,816	975	10/28/70	11/15/70	18	89	23	38	10	2	13	11
47B	41,816	42,321	505	3/2/71	3/13/71	11	91	22	37	10	2	19	15
48A	42,321	42,340	19	3/31/71	4/2/71	3	88	20	38	9	2	16	13
48B	42,340	42,400	60	4/3/71	4/4/71	1	88	20	38	9	2	16	13
48C	42,400	43,126	726	4/6/71	4/20/71	14	91	21	35	9	2	20	9
48D	43,126	43,776	650	4/22/71	5/4/71	12	91	16	36	9	2	25	9

EBR-II Power-run Information: Runs 1-67 (contd)

Run No.	Megawatt-Days			Date			Core Size	Subassembly Type				Experimentals	
	Start	Stop	Incr.	Start	Stop	Days		B	C	L	S	Rows 1-6	Row 7
48E	43,776	43,788	12	5/6/71	5/7/71	12.5 hr	91	16	36	9	2	26	9
49A	43,788	43,852	64	5/18/71	5/19/71	1	91	16	35	9	2	27	14
49B	43,852	44,442	590	5/20/71	5/31/71	11	91	16	35	9	2	27	14
49C	44,442	44,716	274	6/3/71	6/8/71	5	91	16	36	9	2	26	14
49D	44,716	44,721	5	6/10/71	6/10/71	10 hr	90	19	37	9	2	21	13
49E	44,721	44,734	13	6/14/71	6/15/71	1	89	21	38	9	2	17	12
49F	44,734	45,299	565	6/20/71	6/30/71	10	89	20	42	9	2	14	11
50A	45,299	45,361	62	7/4/71	7/5/71	1	90	20	39	9	2	18	10
50B	45,361	45,372	11	7/6/71	7/7/71	1	89	20	40	9	2	16	13
50C	45,372	45,444	72	7/8/71	7/11/71	3	89	20	41	9	2	15	12
50D	45,444	45,514	70	7/11/71	7/13/71	2	89	20	41	9	2	15	11
50E	45,514	45,540	26	7/13/71	7/14/71	1	89	20	40	9	2	16	10
50F	45,540	46,317	777	7/16/71	7/29/71	13	89	19	40	9	2	17	13

EBR-II Power-run Information: Runs 1-67 (contd)

Run No.	Megawatt-Days			Date			Core Size	Subassembly Type				Experimentals	
	Start	Stop	Incr.	Start	Stop	Days		B	C	L	S	Rows 1-6	Row 7
50G	46,317	46,317	0	8/3/71	8/3/71	1 hr	90	16	33	9	2	21	13
50H	46,317	46,863	546	8/6/71	8/15/71	9	90	17	37	9	2	23	13
51A	46,863	47,509	646	8/27/71	9/10/71	14	88	15	38	9	2	22	12
51B	47,509	47,509	0	9/12/71	9/12/71	1 hr	90	16	33	9	2	22	13
51C	47,509	48,417	908	9/20/71	10/8/71	18	91	18	36	9	2	24	17
52A	48,417	48,828	411	10/20/71	10/27/71	7	91	16	35	10	2	26	18
52B	48,828	48,833	5	10/28/71	10/29/71	1	91	16	36	10	2	25	16
52C	48,833	49,967	1134	10/29/71	11/17/71	19	89	17	37	10	2	21	15
53A	49,967	50,040	73	12/13/71	12/15/71	2	91	16	36	10	2	25	13
53B	50,040	50,175	135	12/16/71	12/18/71	2	90	16	36	10	2	24	13
53C	50,175	50,313	138	12/18/71	12/21/71	3	90	16	35	10	2	25	14
53D	50,313	50,539	226	12/23/71	12/27/71	4	89	15	34	10	2	26	15
53E	50,539	51,518	979	12/28/71	1/14/72	17	89	15	34	10	2	26	16

EBR-II Power-run Information: Runs 1-67 (contd)

Run No.	Megawatt-Days			Date			Core Size	Subassembly Type				Experimentals	
	Start	Stop	Incr.	Start	Stop	Days		B	C	L	S	Rows 1-6	Row 7
54	51,518	53,040	1522	2/5/72	3/1/72	25	89	13	36	10	2	25	18
55A	53,040	53,840	800	3/12/72	3/26/72	13	90	13	36	10	2	27	16
55B	53,840	54,407	567	3/28/72	4/7/72	10	90	13	36	10	2	27	15
56A	54,407	54,410	3	7/1/72	7/2/72	1	117	24	35	9	2	28	16
56B	54,410	54,410	Wire Run 0	7/3/72	7/3/72	1 hr	117	25	34	9	2	28	16
56C	54,410	55,960	1550	7/5/72	8/3/72	29	117	24	35	9	2	28	16
57	55,960	57,386	1426	8/13/72	9/7/72	25	116	24	35	9	2	24	16
58A	57,386	58,037	651	9/14/72	9/25/72	11	114	27	34	10	2	24	12
58B	58,037	58,370	333	9/27/72	10/3/72	6	113	28	34	10	2	22	12
58C	58,370	58,936	566	10/4/72	10/14/72	10	113	27	34	10	2	23	12
59A	58,936	59,010	74	10/20/72	10/22/72	2	108	28	33	10	2	22	9
59B	59,010	60,488	1478	10/23/72	11/19/72	27	108	29	31	10	2	24	8
60	60,488	62,038	1550	12/13/72	1/10/73	28	109	29	32	9	2	25	8

EBR-II Power-run Information: Runs 1-67 (contd)

Run No.	Megawatt-Days			Date			Core Size	Subassembly Type				Experimentals	
	Start	Stop	Incr.	Start	Stop	Days		B	C	L	S	Rows 1-6	Row 7
61A	62,038	62,811	773	1/15/73	1/29/73	14	111	32	33	9	2	21	10
61B	62,811	63,588	777	1/31/73	2/19/73	19	111	32	34	9	2	20	10
62A	63,588	64,529	941	2/24/73	3/13/73	17	110	33	33	9	2	20	8
62B	64,529	64,532	3	3/16/73	3/16/73	1/2	108	35	33	9	2	18	6
62C	64,532	64,604	72	3/17/73	3/18/73	1	108	34	34	9	2	16	8
62D	64,604	65,128	524	3/19/73	3/28/73	9	109	32	34	9	2	19	8
62E	65,128	65,144	16	3/30/73	3/31/73	1	105	27	34	9	2	16	10
63	65,144	66,636	1492	6/17/73	7/13/73	26	115	30	33	9	2	23	13
64	66,636	68,171	1535	7/16/73	8/12/73	27	115	33	33	9	2	22	12
65A	68,171	68,972	801	8/22/73	9/6/73	15	113	32	31	9	2	25	10
65B	68,972	69,205	233	9/8/73	9/13/73	5	112	34	32	9	2	21	10
65C	69,205	69,623	418	9/14/73	9/21/73	7	113	33	31	9	2	24	10
66A	69,623	69,634	11	9/27/73	9/28/73	1	110	32	30	9	2	27	6

EBR-II Power-run Information: Runs 1-67 (contd)

Run No.	Megawatt-Days			Date			Core Size	Subassembly Type				Experimentals	
	Start	Stop	Incr.	Start	Stop	Days		B	C	L	S	Rows 1-6	Row 7
66B	69,634	69,669	35	9/30/73	10/3/73	3	109	32	31	9	2	25	6
66C	69,669	69,911	242	10/5/73	10/10/73	5	108	33	31	9	2	22	6
66D	69,911	69,926	15	10/11/73	10/12/73	1	109	32	31	9	2	25	6
66E	69,926	70,092	166	10/14/73	10/17/73	3	108	32	31	9	2	24	6
66F	70,092	70,446	354	10/19/73	10/25/73	6	110	31	30	9	2	27	7
66G	70,446	71,161	715	10/26/73	11/7/73	12	109	31	30	9	2	26	7
67A	71,161	71,808	647	11/15/73	11/26/73	11	115	31	30	9	2	27	11
67B	71,808	72,542	734	11/30/73	12/13/73	13	115	32	31	9	2	24	12