



UNITED STATES
NUCLEAR REGULATORY COMMISSION
Washington, D.C. 20555

JUN 27 1985

ERRATA SHEET

Report Number: NUREG/CR-3071
PNL-4543

Report Title: Irradiation History and Interim Postirradiation
Data for IFA-432

Prepared by: Pacific Northwest Laboratory

Date Published: March 1984

Instructions: See next page for explanation.

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April 17, 1985

To: Recipients of NRC Document NUREG/CR-3071 (PNL-4543),
"Irradiation History and Postirradiation Data for IFA-432"

From: *DDF*
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Materials Department

Subject: Errata for Appendix D

The power histories for the IFA-432 rods, from 12/75 to 6/81, are presented in Appendix D of the subject document. These power histories were constructed with erroneous values for effective elapsed-time-at-power during the early part of the irradiation, i.e., from 12/24/75 to 9/14/76 (0 to 7 MWd/kgM peak burnup). The necessary correction is as follows:

- * Multiply the cumulative elapsed-time-at-power values by 1.36 during the period from 12/24/75 through 9/14/76 (through step 12).
- * Add 33 days to the cumulative elapsed-time-at-power values from 9/14/76 onward (from step 13 to step 106).

The above corrections keep the integrated peak burnup calculated from the power history within 1 MWd/kgM of the published value throughout the entire fuel lifetime. They will be incorporated in the "Final Postirradiation Examination Report for IFA-432", to be issued in September 1985.

Other specific corrections to the tabulated power history are noted in Table 1 (attached).

Note that no other manipulation of the published values for linear heat generation rate (LHGR) are recommended at this time. To emphasize the connection between the tabulated LHGR values and the actual power history we are attaching Figures 1 and 2, in which the lower and upper thermocouple region LHGRs are plotted for Rod 1.

Table 1. Specific LHR Errata in Appendix D

<u>Rod Number</u>	<u>Step Number</u>	<u>TC Position</u>	<u>Corrected LHR, W/cm</u>
1	2	Upper	444
1	46	Lower	214
1	47	Upper	50
1	47	Lower	40
2	46	Upper	281
2	46	Lower	196
2	47	Upper	50
2	47	Lower	40
2	71	Lower	125
3	46	Upper	300
3	46	Lower	220
3	47	Lower	40
3	91	Upper	53
3	99	Upper	200
4/8	46	Upper	288
4/8	46	Lower	216
4/8	47	Upper	50
4/8	47	Lower	40
5	46	Upper	282
5	46	Lower	211
5	47	Upper	50
5	47	Lower	40
6	46	Upper	290
6	46	Lower	212
6	47	Lower	40

IFA-432, Rod 1, Lower

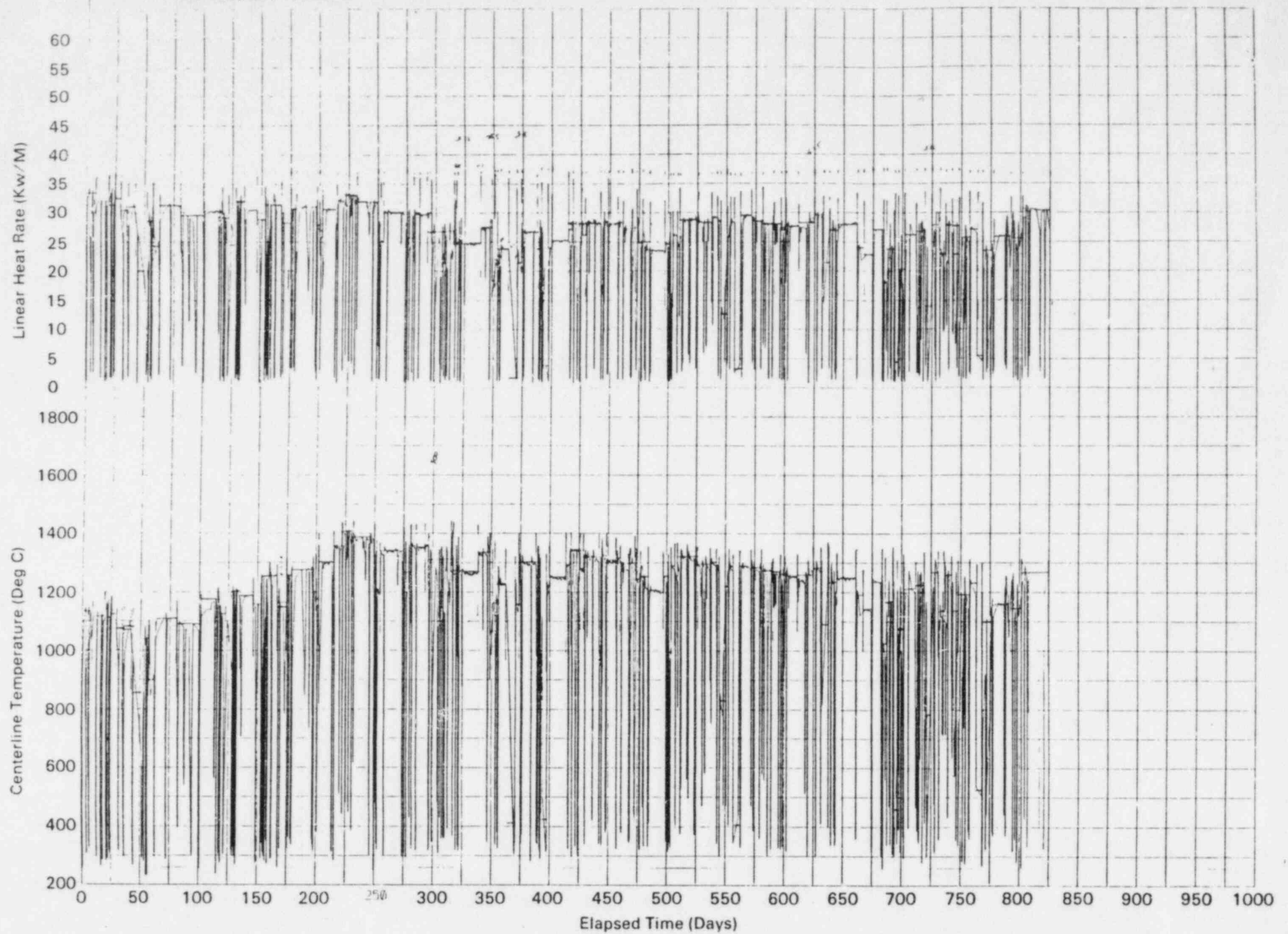


FIGURE 1.

IFA-432, Rod 1, Upper

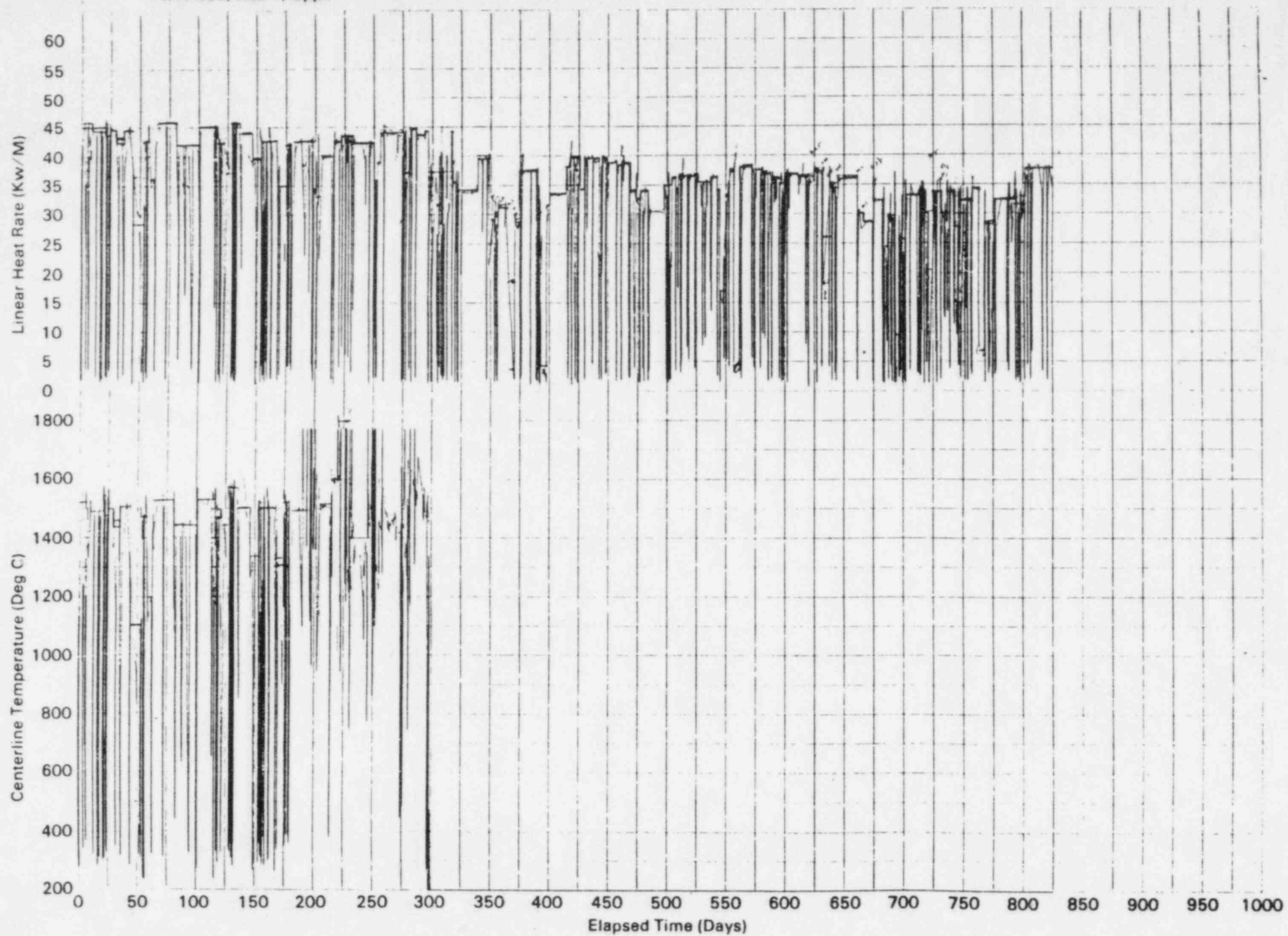


FIGURE 2.