COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH FRIULI SEPT 11,1976 16:31 S.ROCCO (132) E-W RECORD

SEQUOYAH - 5% DAMPING
WATTS BAR - 5% DAMPING
BELLEFONTE - 7% DAMPING
S.ROCCO (132) - 7% DAMPING

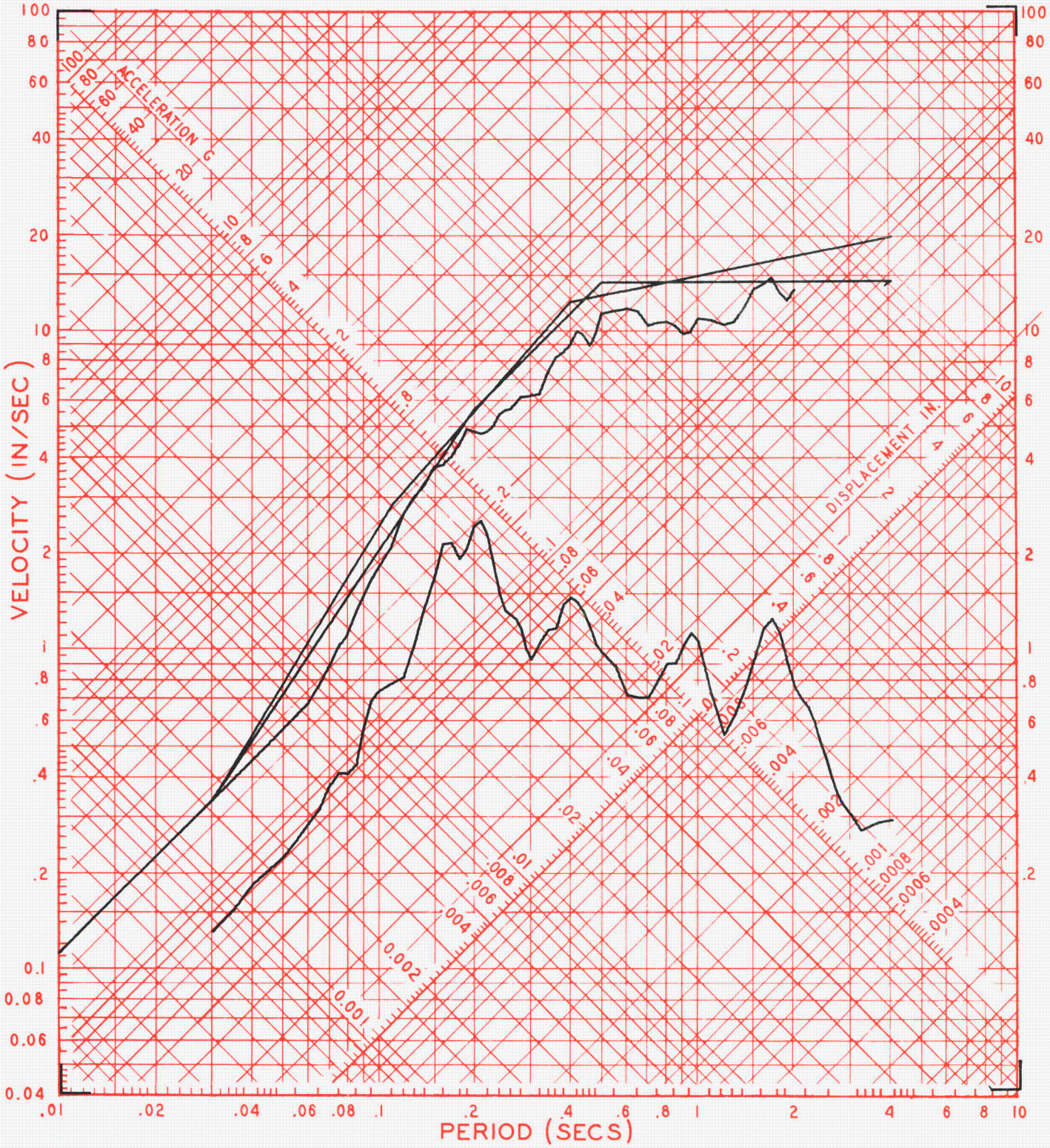


FIGURE B-40

COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH FRIULI SEPT 11,1976 16:35 S.ROCCO (139) N-S RECORD

SEQUOYAH - 1% DAMPING
WATTS BAR - 1% DAMPING
BELLEFONTE - 4% DAMPING
S.ROCCO (139) - 4% DAMPING

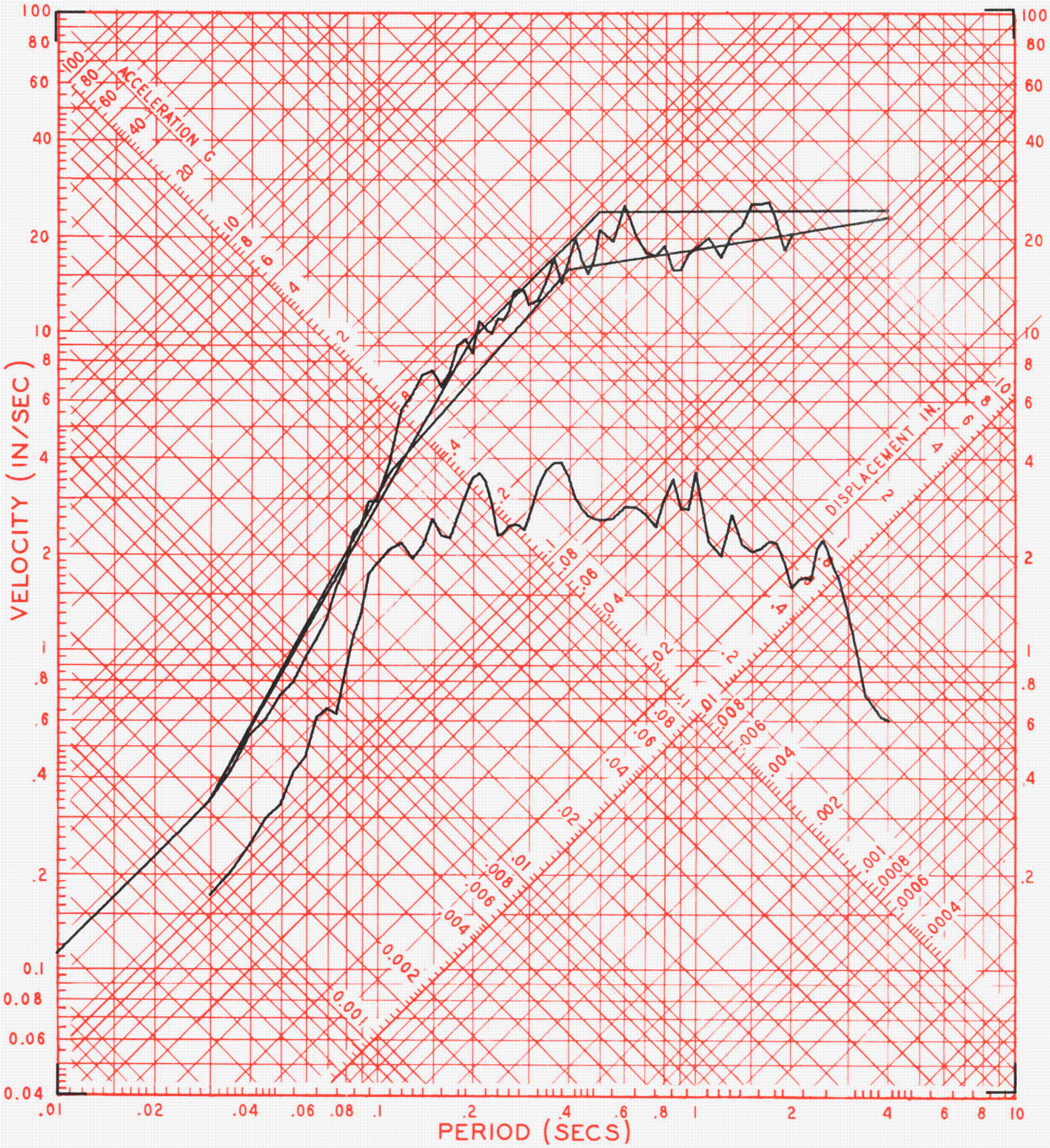


FIGURE B-41

COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH FRIULI SEPT 11,1976 16:35 S.ROCCO (139) E-W RECORD

SEQUOYAH - 5% DAMPING
WATTS BAR - 5% DAMPING
BELLEFONTE - 7% DAMPING
S.ROCCO (139) - 7% DAMPING

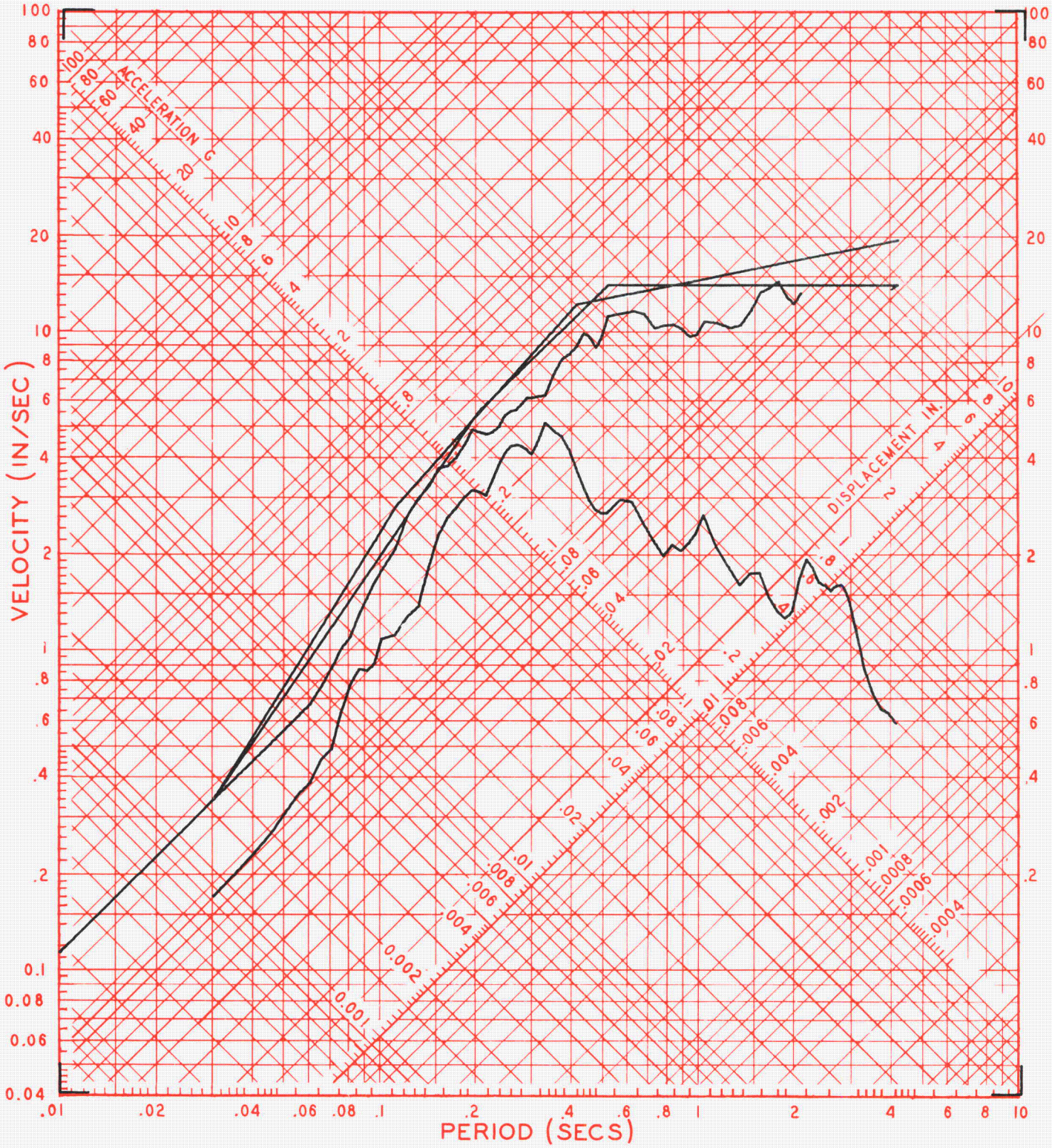


FIGURE B-42

COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH FRIULI SEPT 11,1976 16:35 S.ROCCO (139) E-W RECORD

SEQUOYAH - 1% DAMPING
WATTS BAR - 1% DAMPING
BELLEFONTE - 4% DAMPING
S.ROCCO (139) - 4% DAMPING

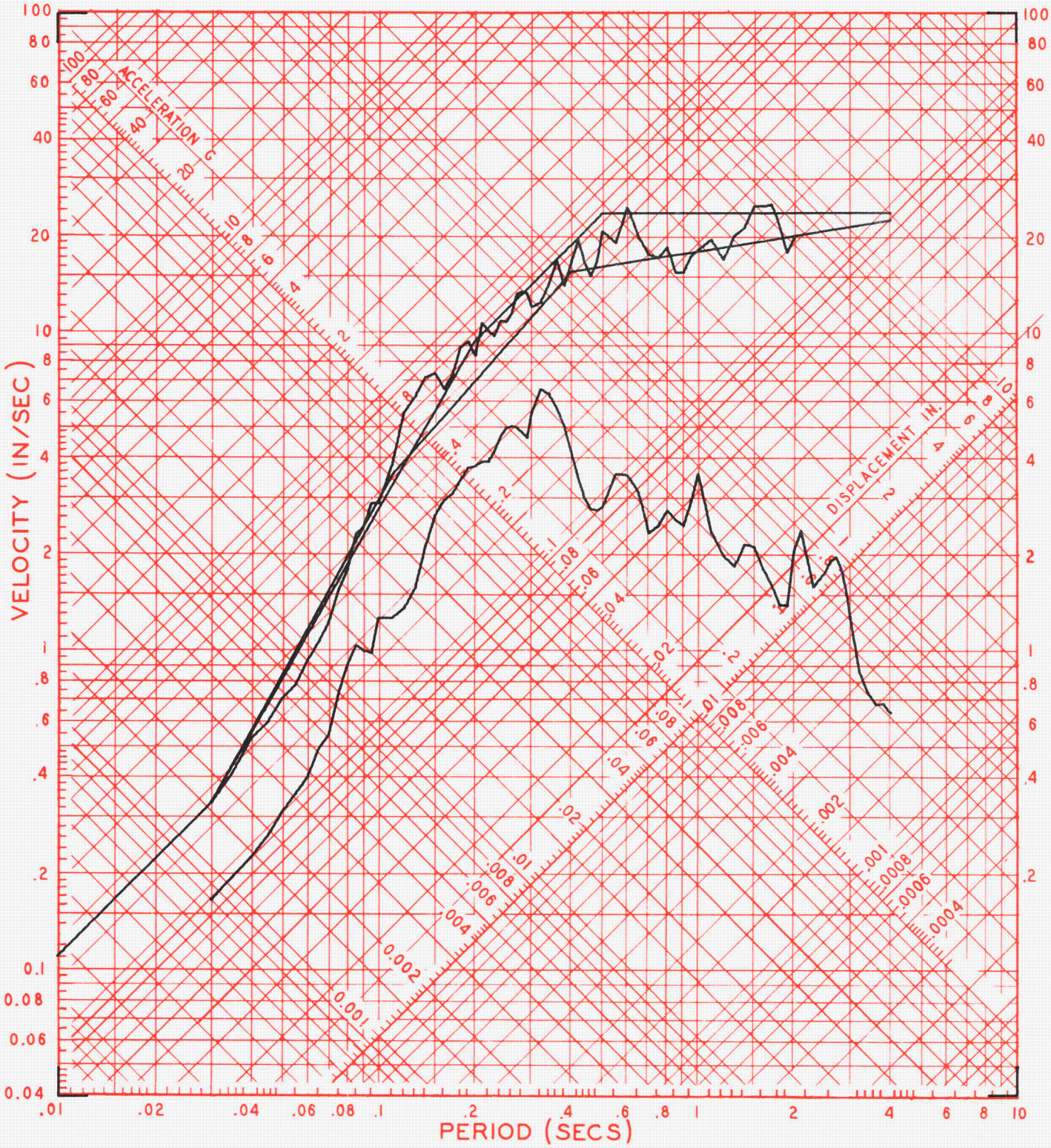


FIGURE B-43

COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH FRIULI SEPT 11,1976 16:35 S.ROCCO (139) N-S RECORD

SEQUOYAH - 5% DAMPING
WATTS BAR - 5% DAMPING
BELLEFONTE - 7% DAMPING
S.ROCCO (139) - 7% DAMPING

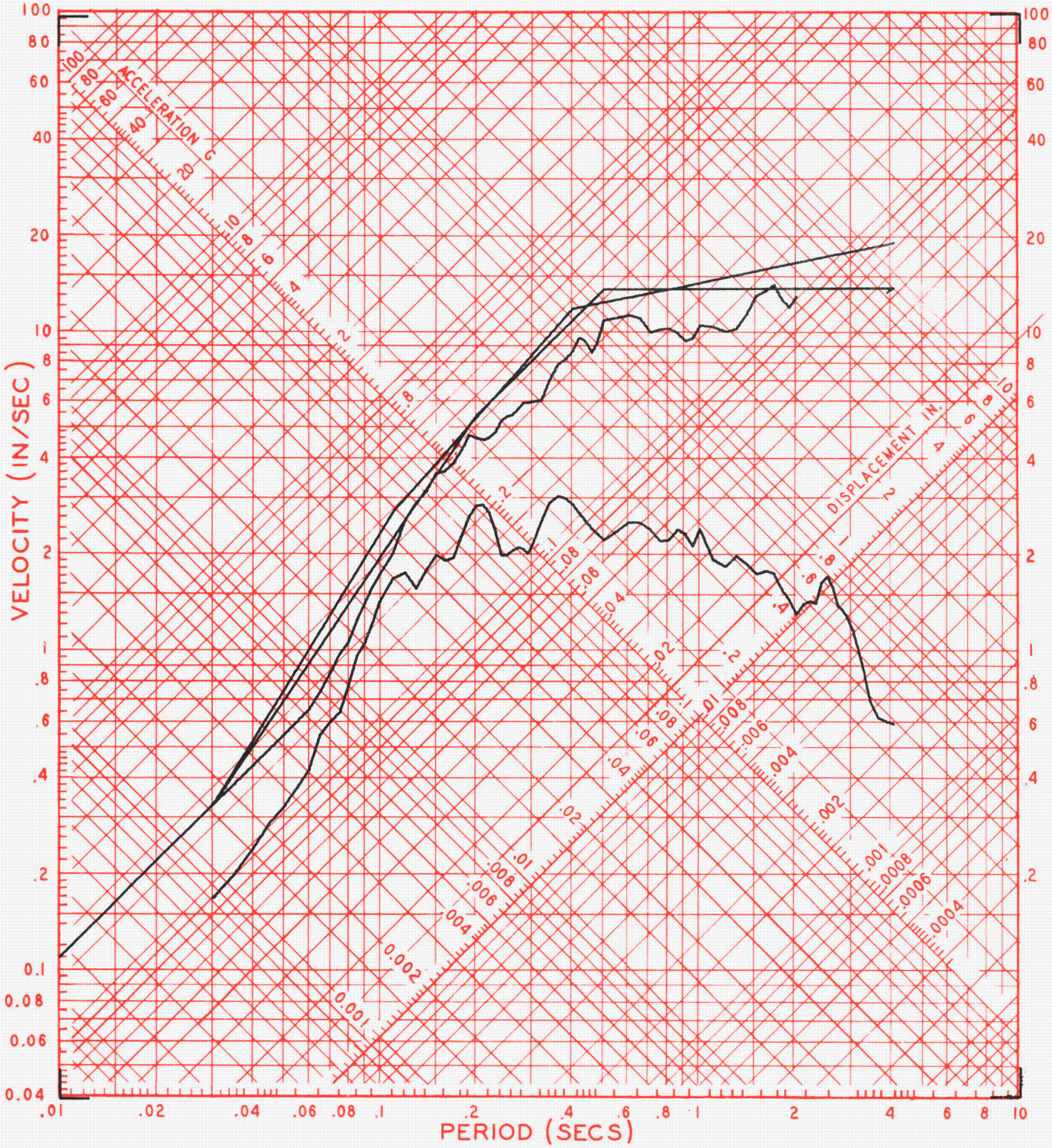


FIGURE B-44

COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH FRIULI SEPT 15,1976 03:15 S.ROCCO (153) N-S RECORD

SEQUOYAH - 1% DAMPING
WATTS BAR - 1% DAMPING
BELLEFONTE - 4% DAMPING
S.ROCCO (153) - 4% DAMPING

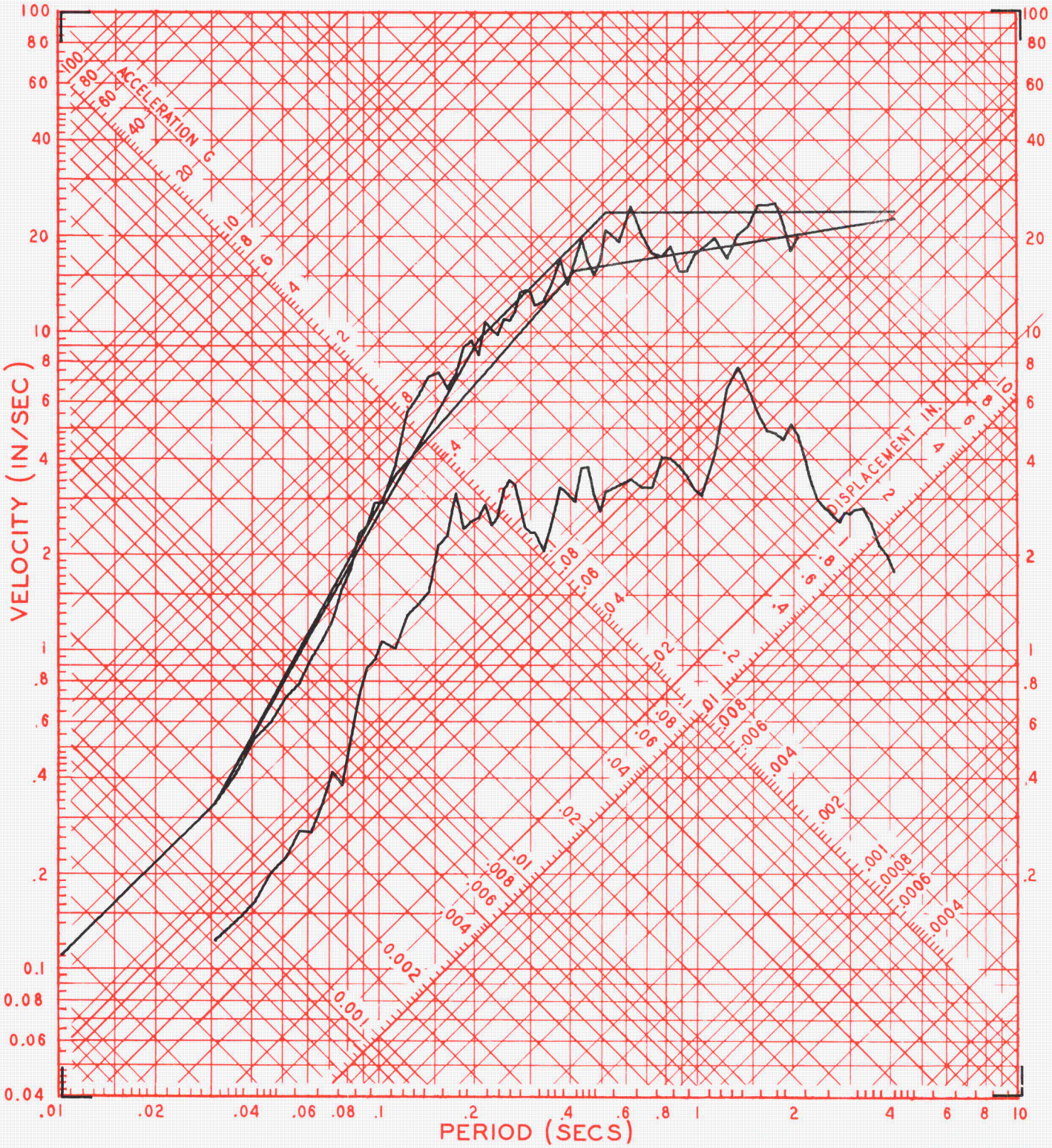


FIGURE B-45

COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH FRIULI SEPT 15,1976 03:15 S.ROCCO (153) N-S RECORD

SEQUOYAH - 5% DAMPING
WATTS BAR - 5% DAMPING
BELLEFONTE - 7% DAMPING
S.ROCCO (153) - 7% DAMPING

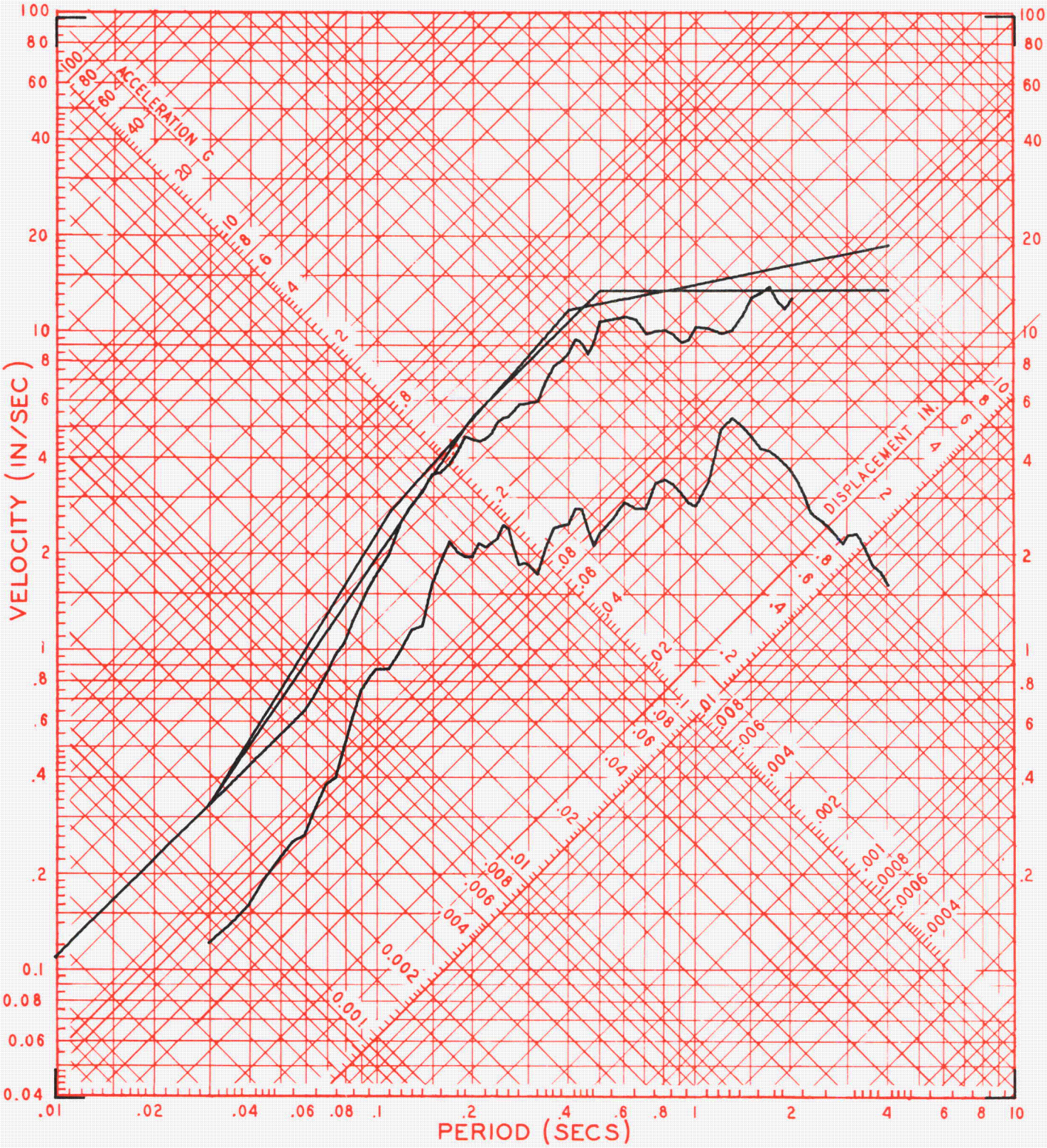


FIGURE B-46

COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH FRIULI SEPT 15,1976 03:15 S.ROCCO (153) E-W RECORD

SEQUOYAH - 1% DAMPING
WATTS BAR - 1% DAMPING
BELLEFONTE - 4% DAMPING
S.ROCCO (153) - 4% DAMPING

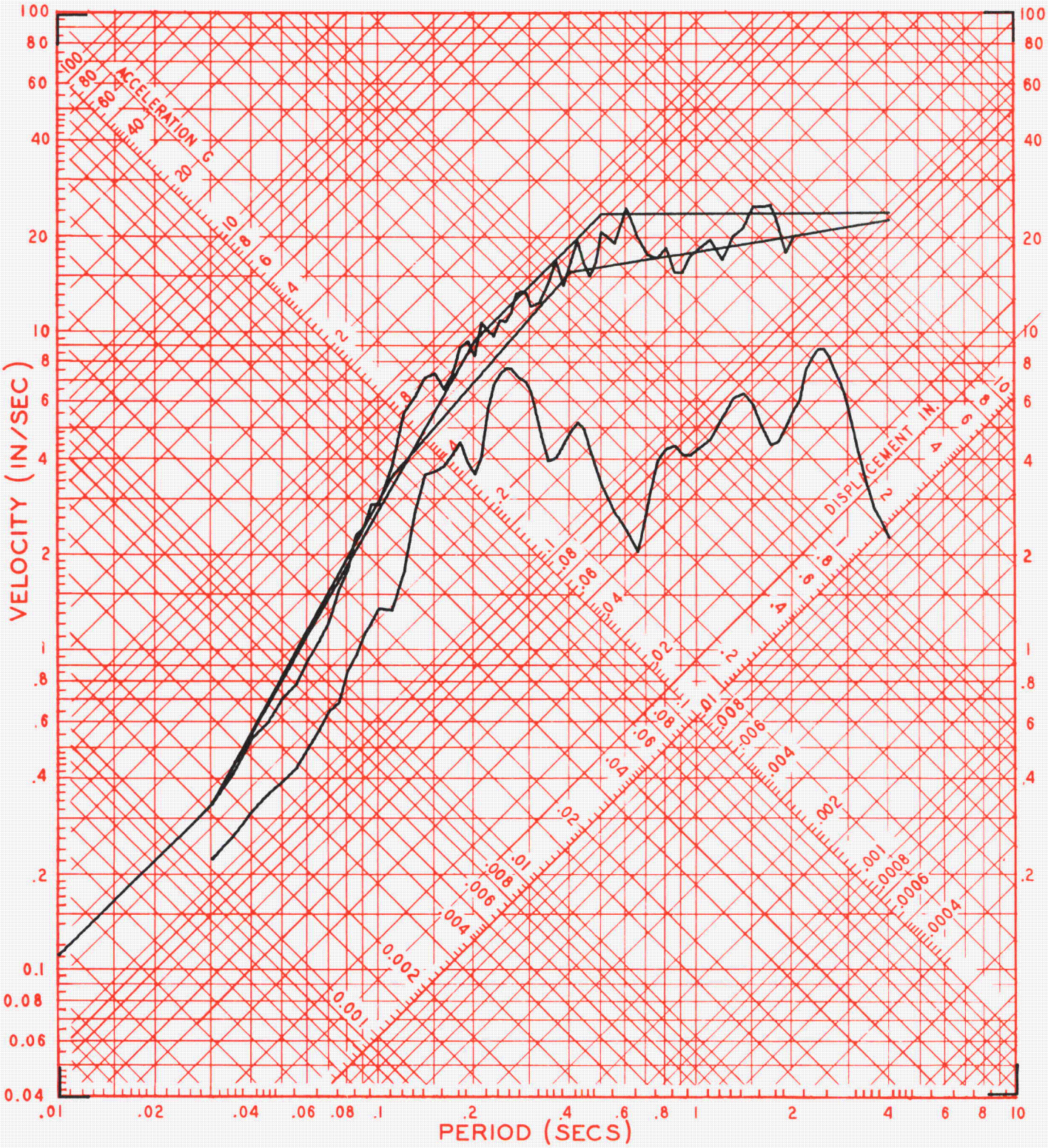


FIGURE B-47

COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH FRIULI SEPT 15,1976 03:15 S.ROCCO (153) E-W RECORD

SEQUOYAH - 5% DAMPING
WATTS BAR - 5% DAMPING
BELLEFONTE - 7% DAMPING
S.ROCCO (153) - 7% DAMPING

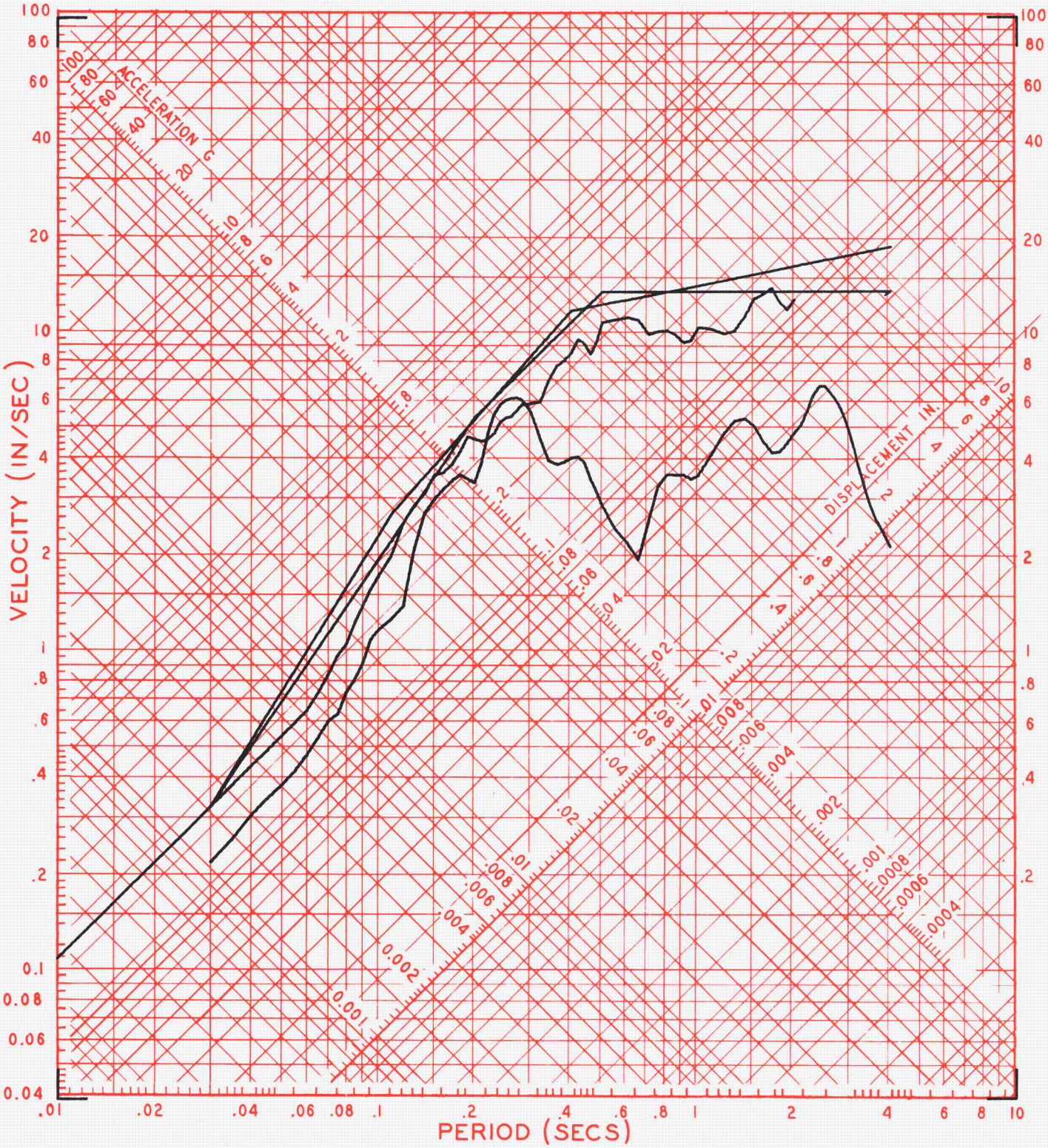


FIGURE B-48

COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH FRIULI SEPT 15,1976 09:21 S.ROCCO (169) N-S RECORD

SEQUOYAH - 1% DAMPING
WATTS BAR - 1% DAMPING
BELLEFONTE - 4% DAMPING
S.ROCCO (169) - 4% DAMPING

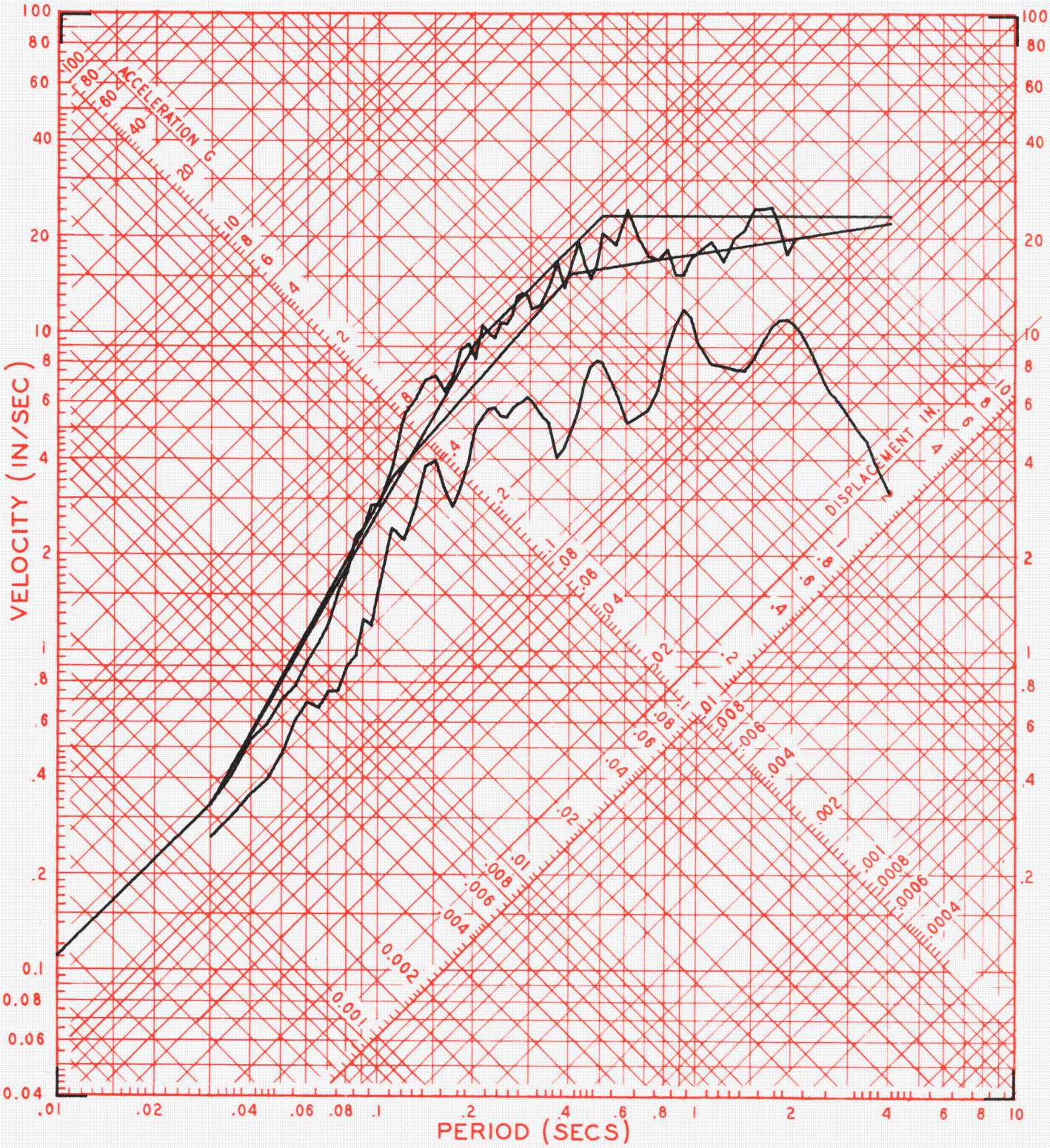


FIGURE B-49

COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH FRIULI SEPT 15,1976 09:21 S.ROCCO (169) N-S RECORD

SEQUOYAH -5% DAMPING
WATTS BAR -5% DAMPING
BELLEFONTE - 7% DAMPING
S.ROCCO (169) - 7% DAMPING

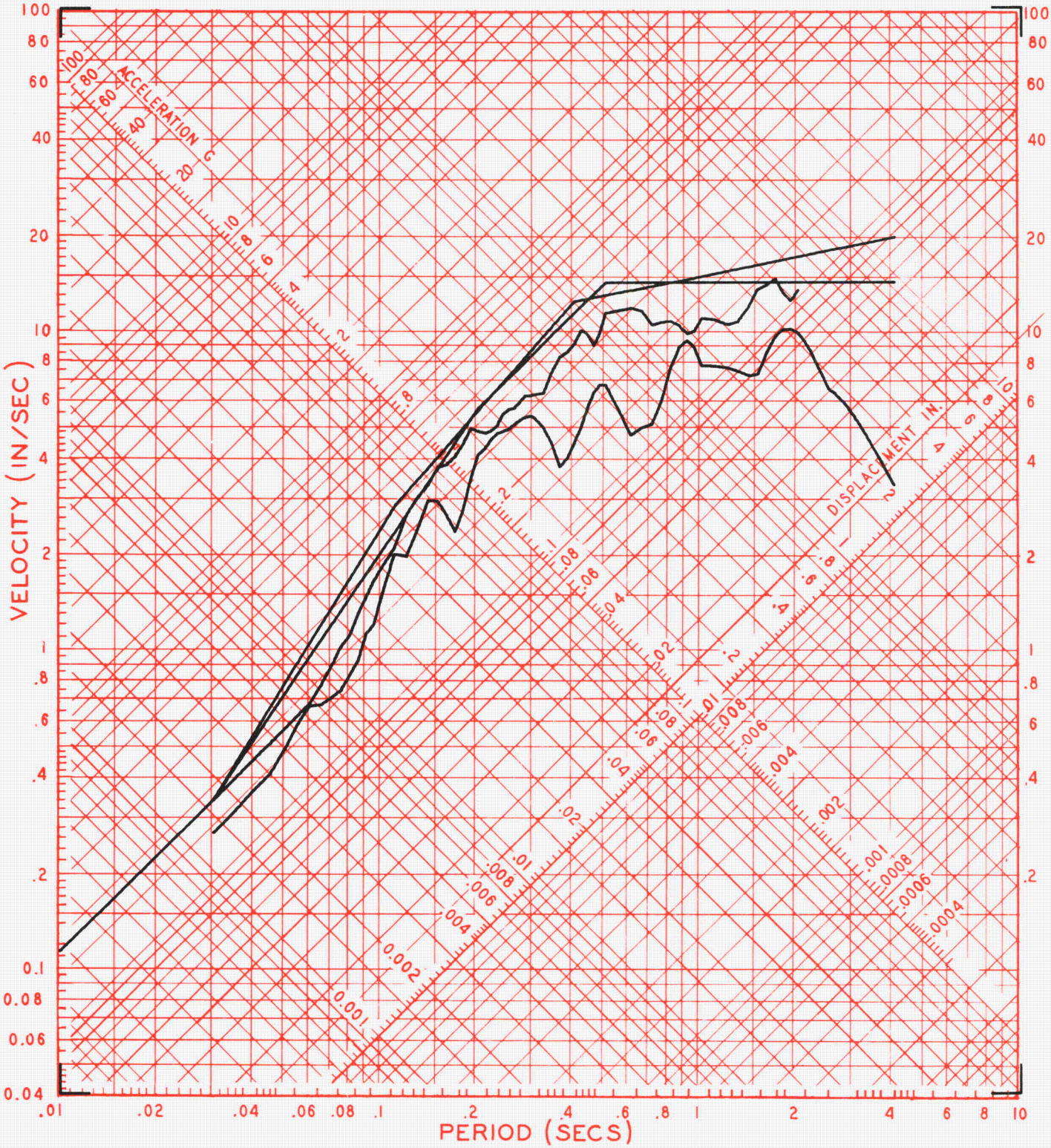


FIGURE B-50

COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH FRIULI SEPT 15,1976 09:21 S.ROCCO (169) E-W RECORD

SEQUOYAH - 1% DAMPING
WATTS BAR - 1% DAMPING
BELLEFONTE - 4% DAMPING
S.ROCCO (169) - 4% DAMPING

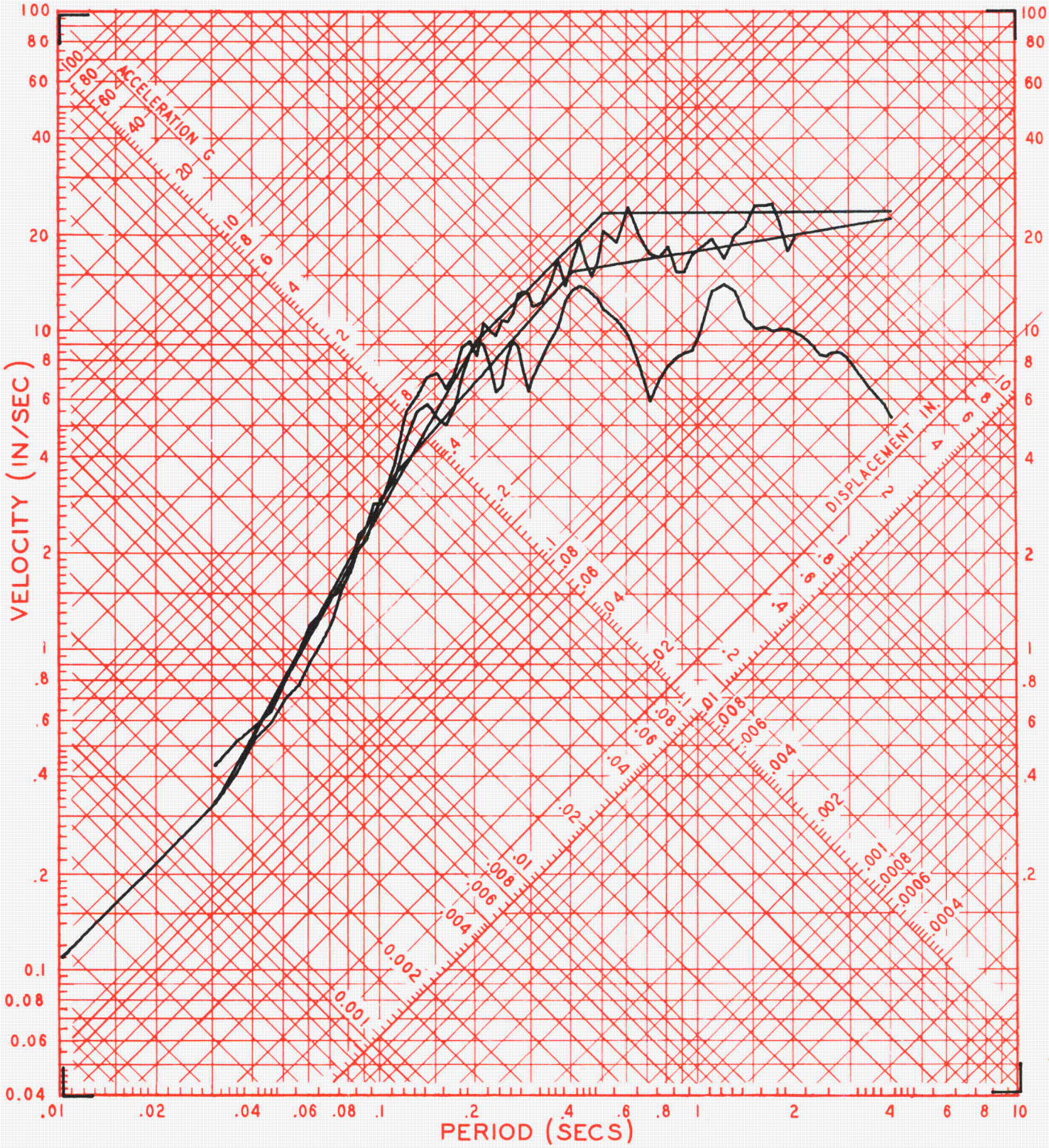


FIGURE B-51

COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH FRIULI SEPT 15,1976 09:21 S.ROCCO (169) E-W RECORD

SEQUOYAH - 5% DAMPING
WATTS BAR - 5% DAMPING
BELLEFONTE - 7% DAMPING
S.ROCCO (169) - 7% DAMPING

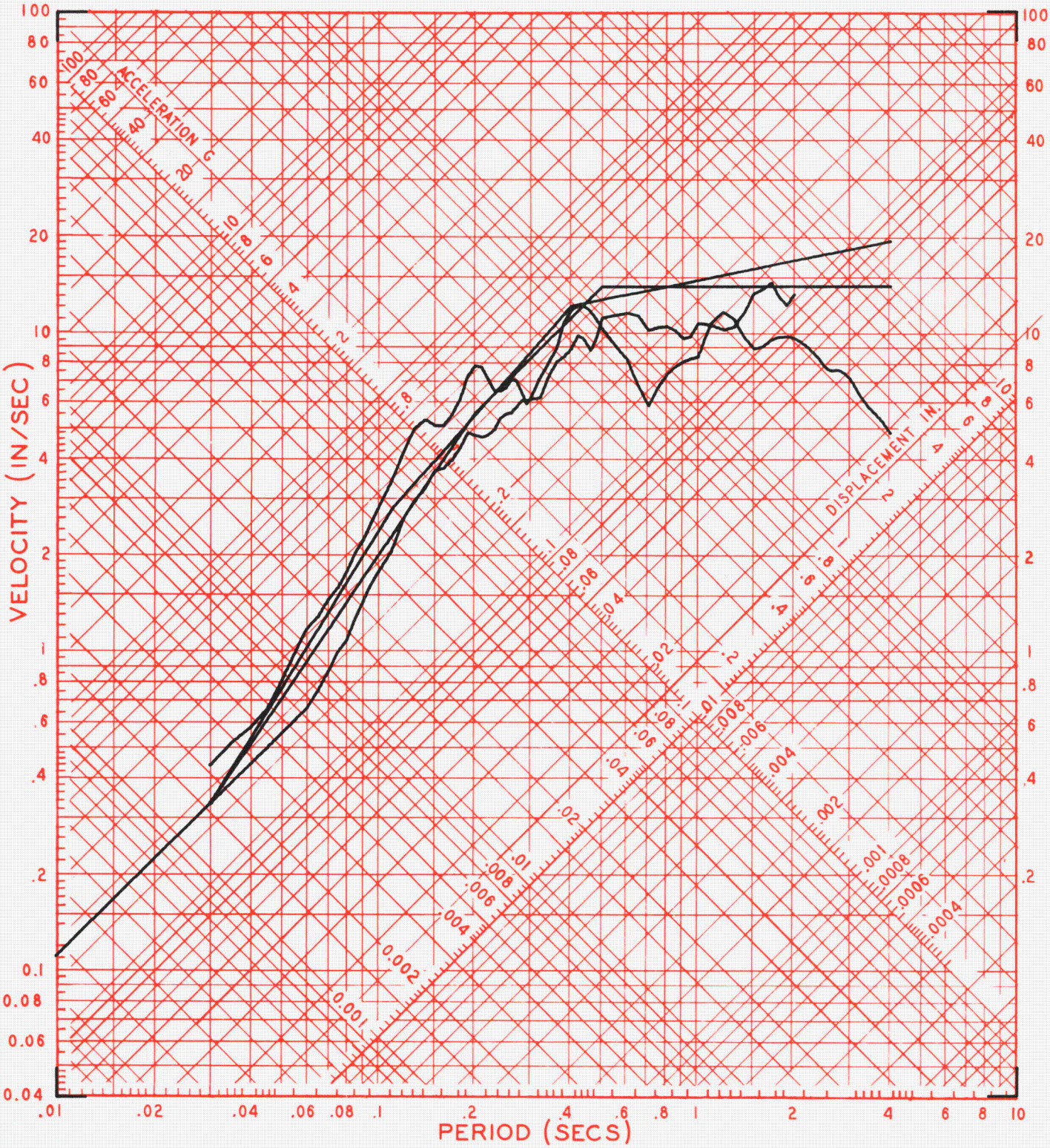


FIGURE B-52

COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH MEAN OF SIX UNITED STATES EARTHQUAKES

SEQUOYAH - 1% DAMPING
WATTS BAR - 1% DAMPING
BELLEFONTE - 4% DAMPING
US MEAN - 4% DAMPING

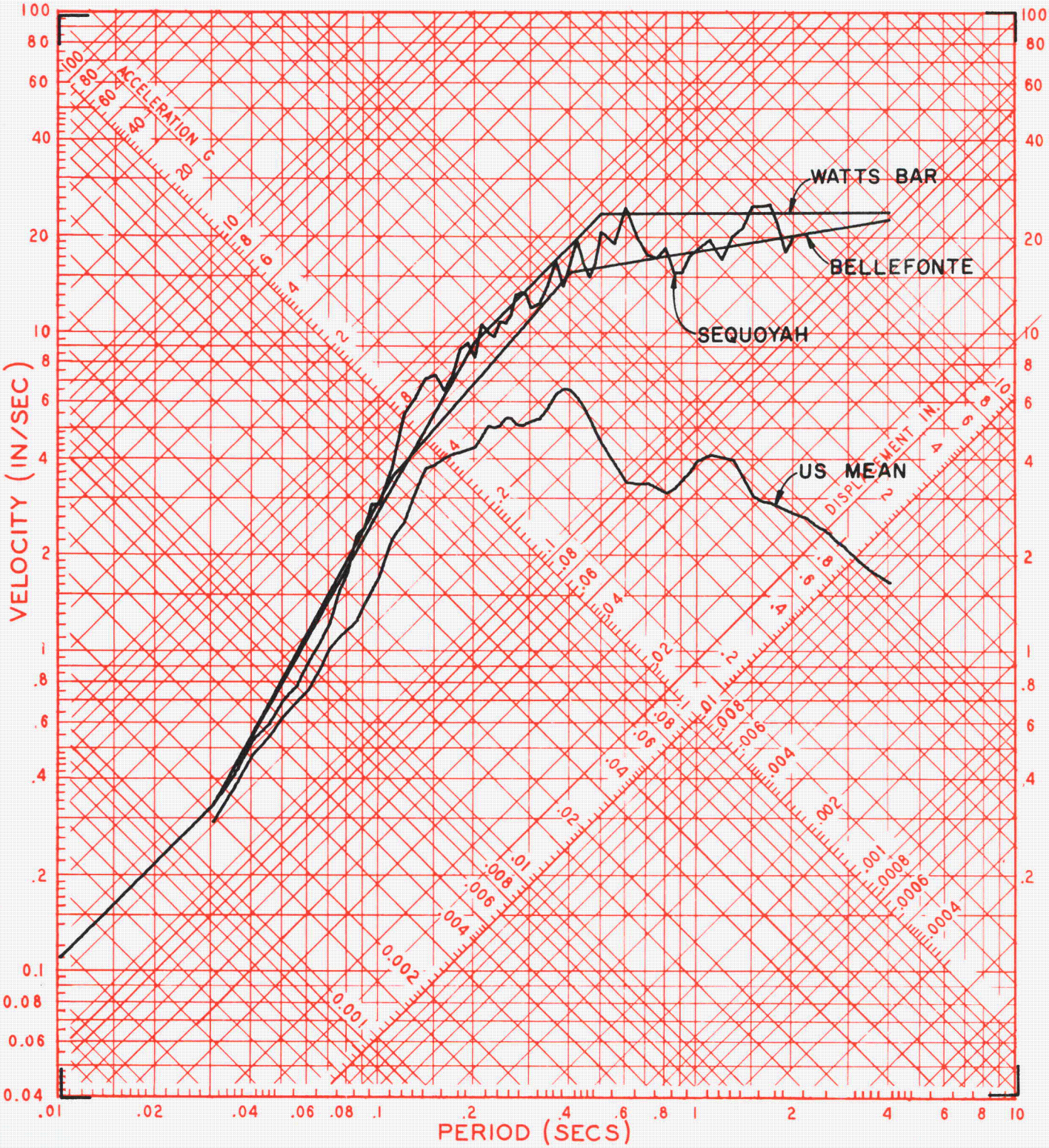


FIGURE B-53

# COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH MEAN OF SIX UNITED STATES EARTHQUAKES

SEQUOYAH - 5% DAMPING
WATTS BAR - 5% DAMPING
BELLEFONTE - 7% DAMPING
US MEAN - 7% DAMPING

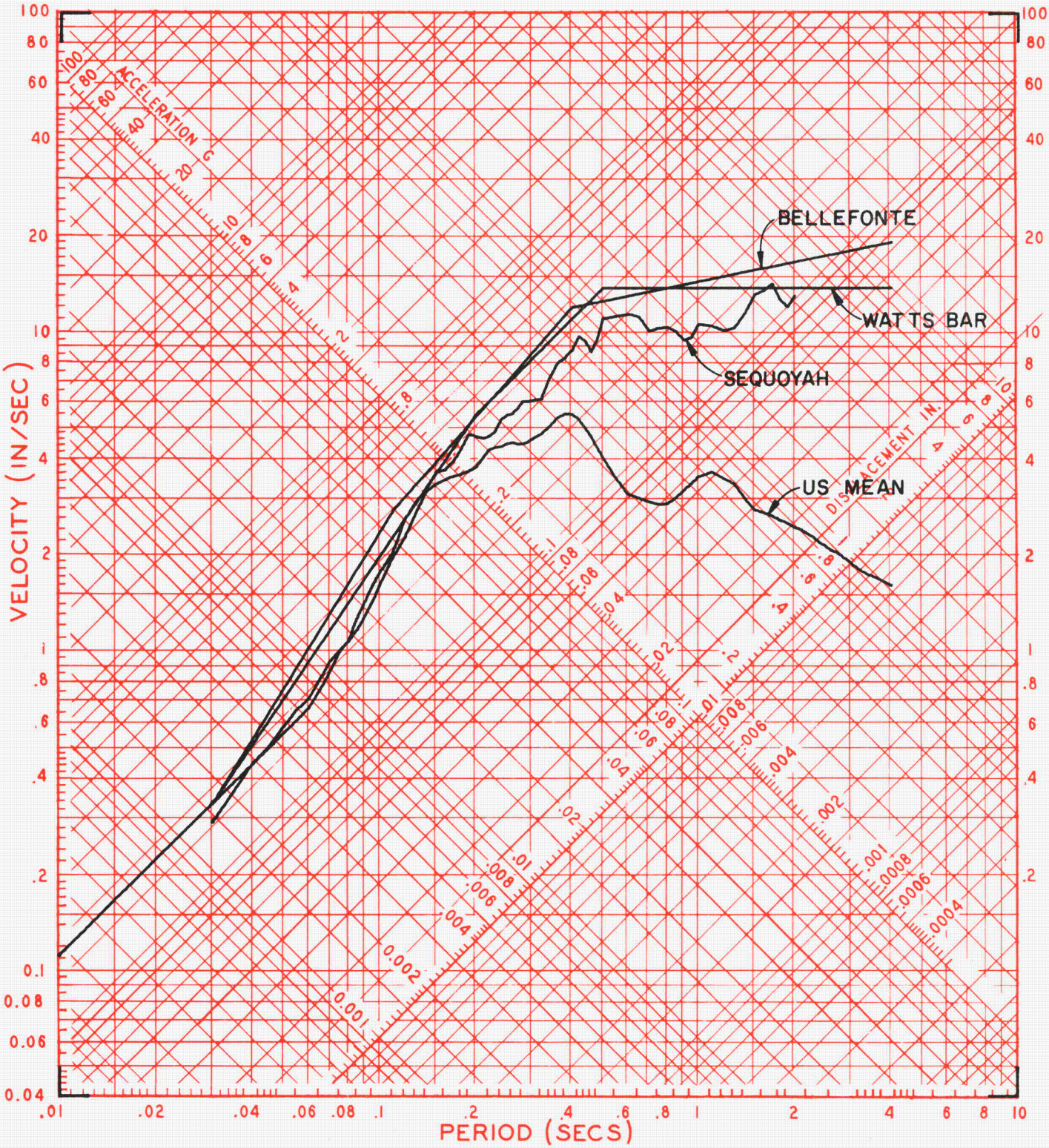


FIGURE B-54

COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH MEAN OF SEVEN FRIULI ITALY EARTHQUAKES

SEQUOYAH - 1% DAMPING
WATTS BAR - 1% DAMPING
BELLEFONTE - 4% DAMPING
ITALY MEAN - 4% DAMPING

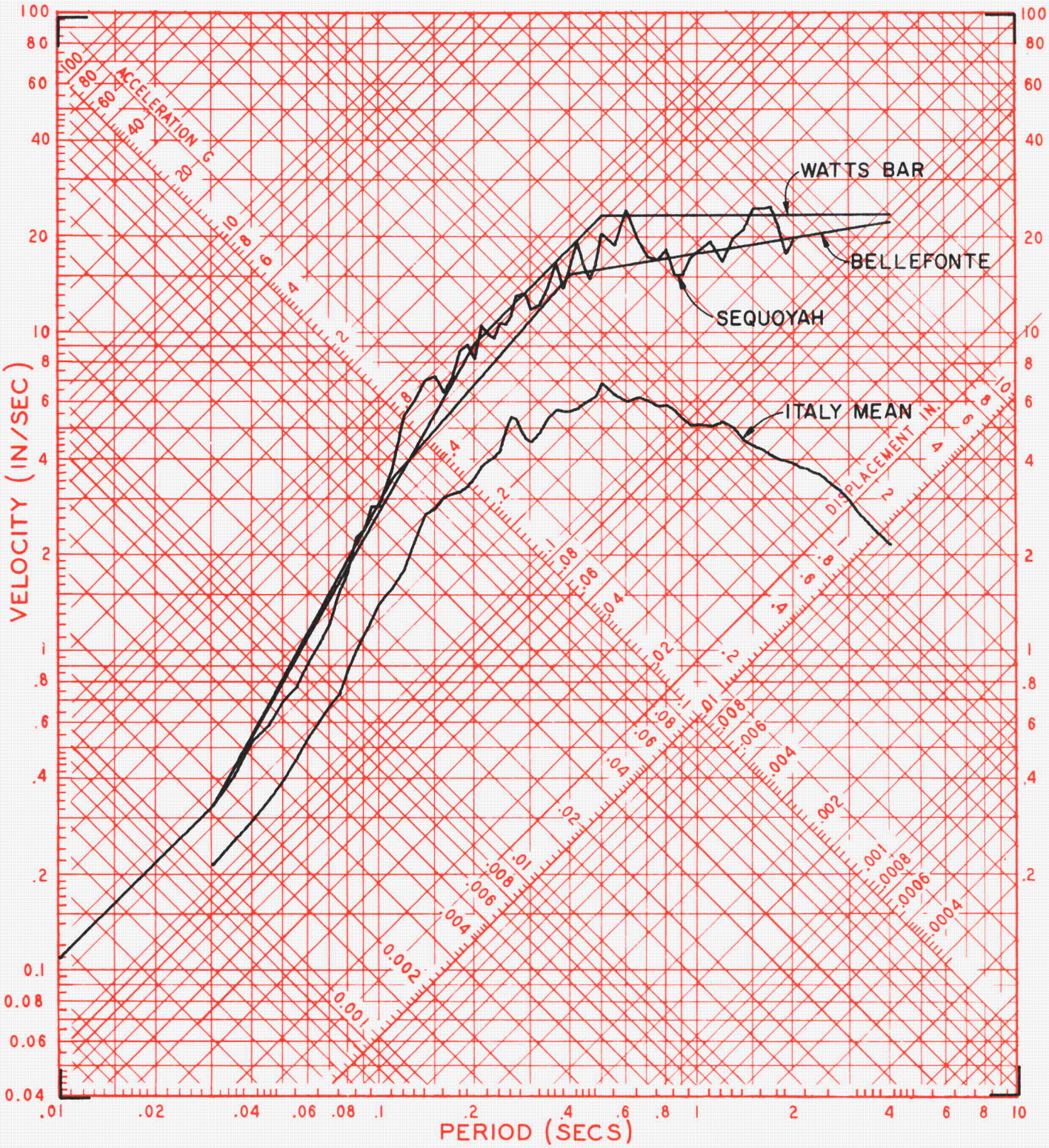


FIGURE B-55

COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH MEAN OF SEVEN FRIULI ITALY EARTHQUAKES

SEQUOYAH - 5% DAMPING
WATTS BAR - 5% DAMPING
BELLEFONTE - 7% DAMPING
ITALY MEAN - 7% DAMPING

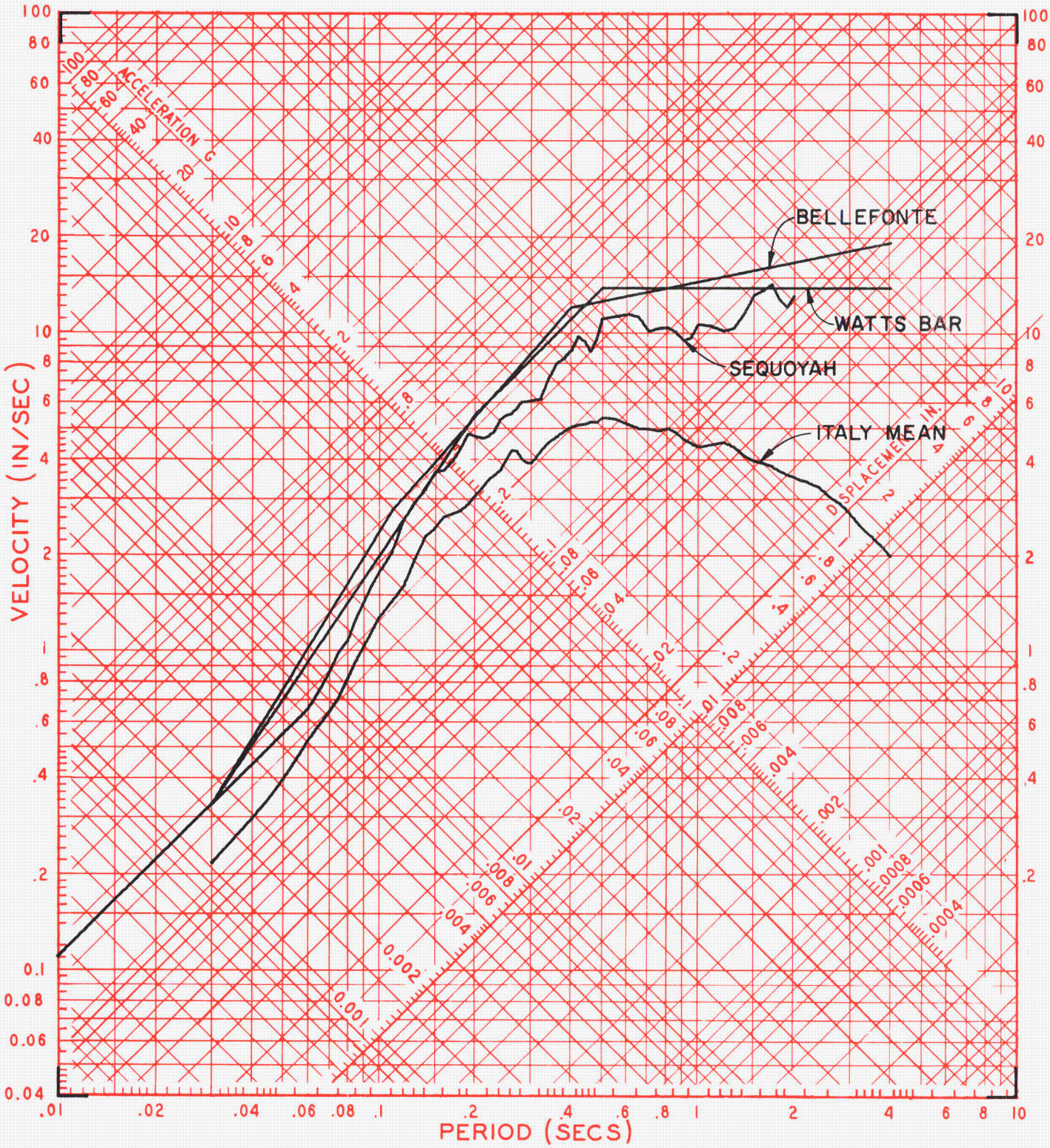


FIGURE B-56

COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH MEAN OF THIRTEEN US AND ITALY EARTHQUAKES

SEQUOYAH - 1% DAMPING
WATTS BAR - 1% DAMPING
BELLEFONTE - 4% DAMPING
US & ITALY MEAN - 4% DAMPING

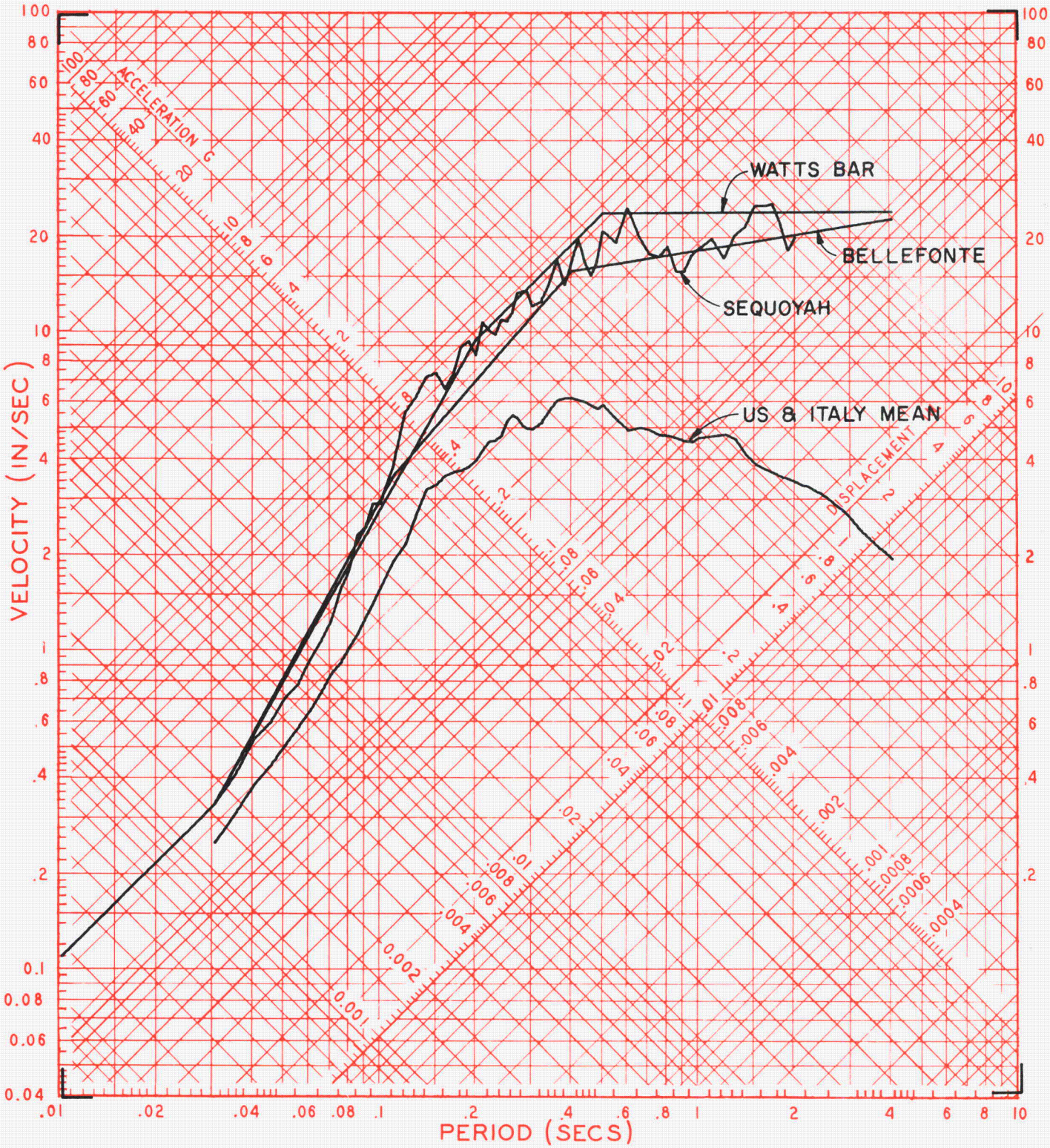


FIGURE B-57

COMPARISON OF SEQUOYAH, WATTS BAR, AND BELLEFONTE NUCLEAR PLANTS TOP OF ROCK DESIGN SPECTRA WITH MEAN OF THIRTEEN US AND ITALY EARTHQUAKES

SEQUOYAH - 5% DAMPING
WATTS BAR - 5% DAMPING
BELLEFONTE - 7% DAMPING
US & ITALY MEAN - 7% DAMPING

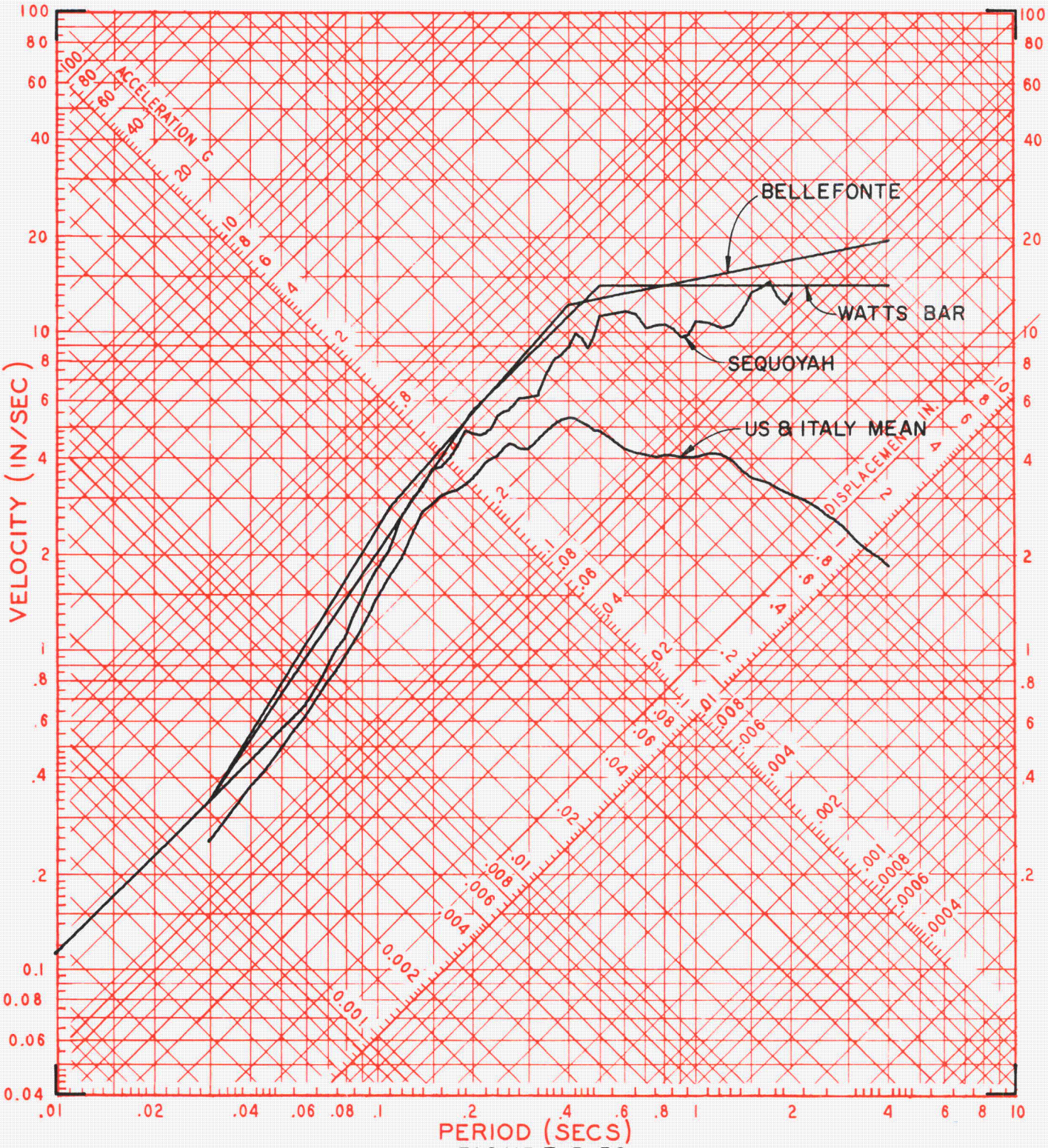


FIGURE B-58

ERRATA

Page 17, first paragraph, reference should read:

"Prediction of Strong Motions for Eastern North America on the Basis of Magnitude" (reference 8).

Page 17, second paragraph - 4.0 seconds should be 4.85 seconds

Page 21, reference 8 should read:

"Prediction of Strong Motions for Eastern North America on the Basis of Magnitude. Weston Geophysical Corporation, Boston, Massachusetts, August 1978."

Table 4-4: Replace with new copy provided.

Figures 3-7, 3-8, 4-5, 4-6, A-1 through A-38, and B-1 through B-58:

The Watts Bar response spectra curves have a break point at 0.20 seconds. This should be at 0.15 seconds by extending the line from 0.50 seconds through 0.20 seconds to 0.15 seconds. The uncorrected curves result in a more conservative interpretation.

Docket # 50-390
Control # 7824400042
Date 8/31/78 of Document:
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TABLE 4-4

PREDICTED MAXIMUM HORIZONTAL ACCELERATIONS

FOR SELECTED DESIGN EARTHQUAKES

| Distance / $m_{bLg}$ | 10 km Duration | | 15 km Duration | | 20 km Duration | |
|---|---|---|---|---|---|---|
| | 4.85 Sec | 2.51 Sec | 4.85 Sec | 2.51 Sec | 4.85 Sec | 2.51 Sec |
| 5.6 | .06g | .07g | .04g | .05g | .03g | .04g |
| 5.8 | .10g | .12g | .06g | .08g | .05g | .06g |
| 6.0 | .15g | .18g | .10g | .12g | .08g | .09g |