

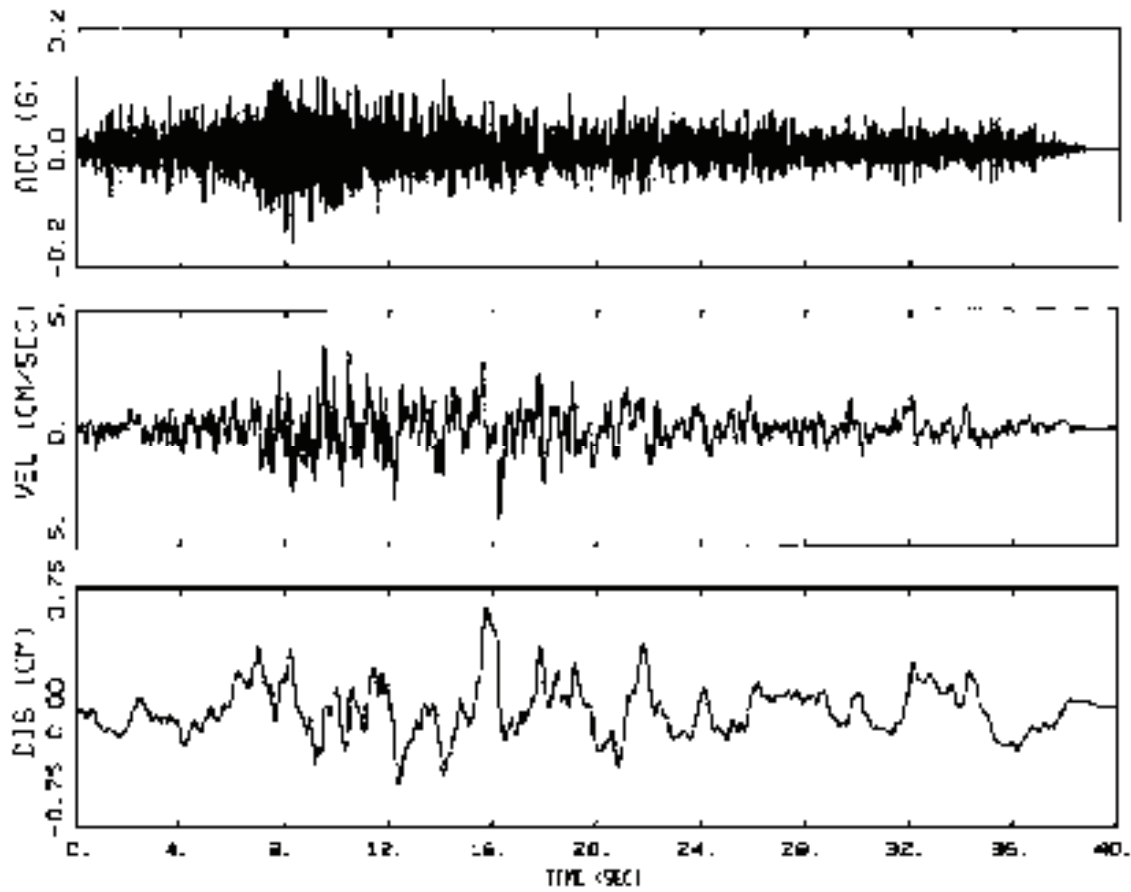
APPENDIX B: SPECTRAL MATCH DESIGN TIME HISTORIES

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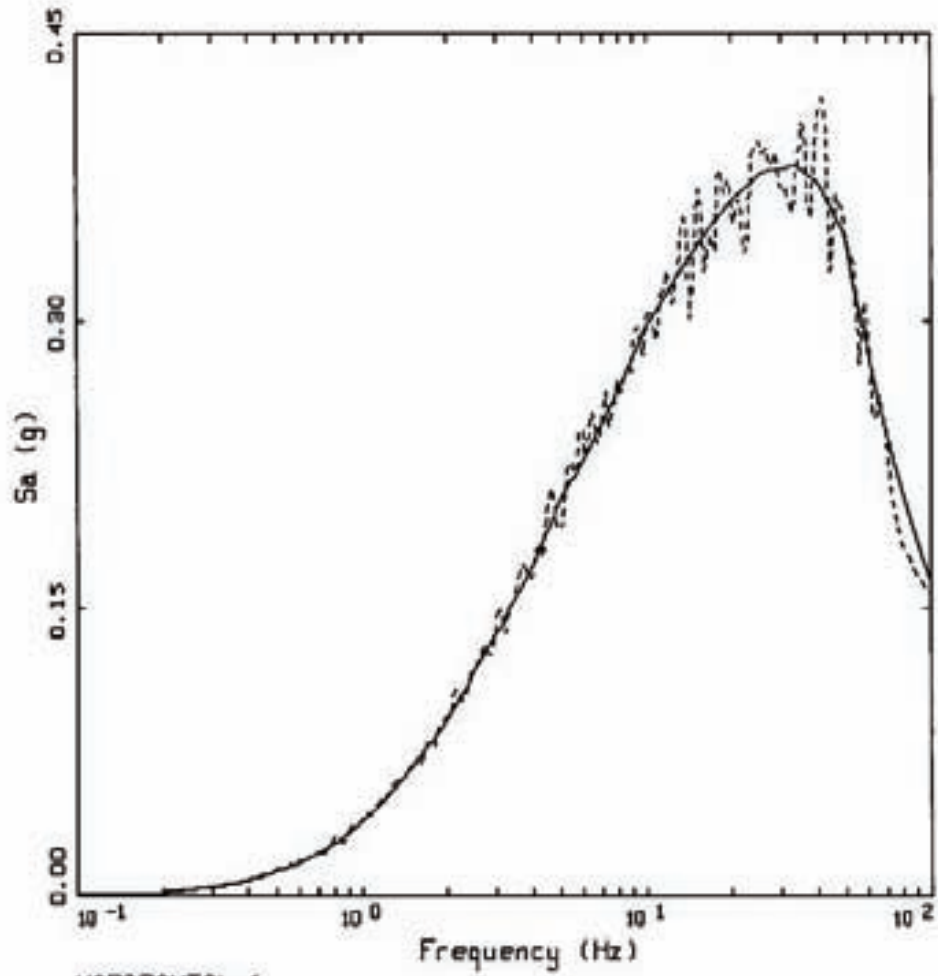
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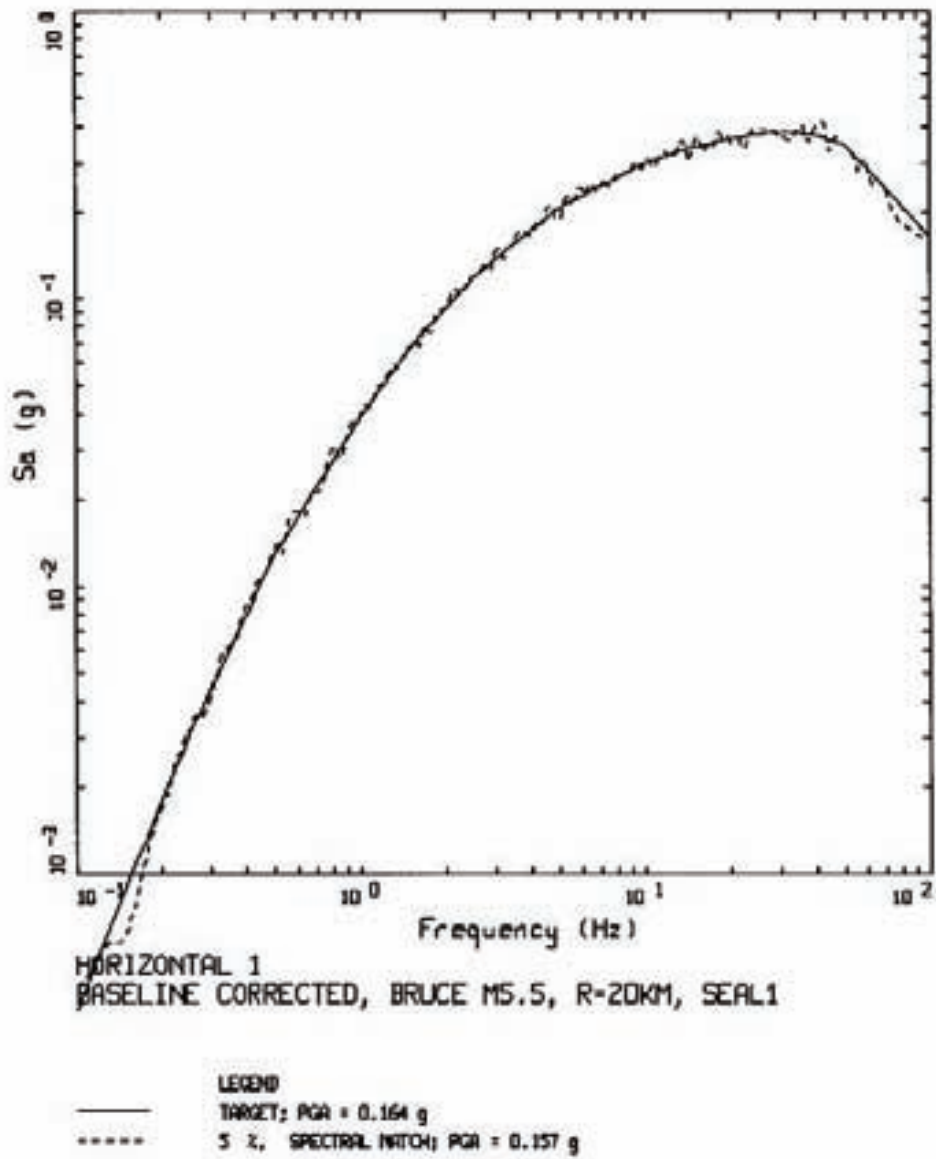


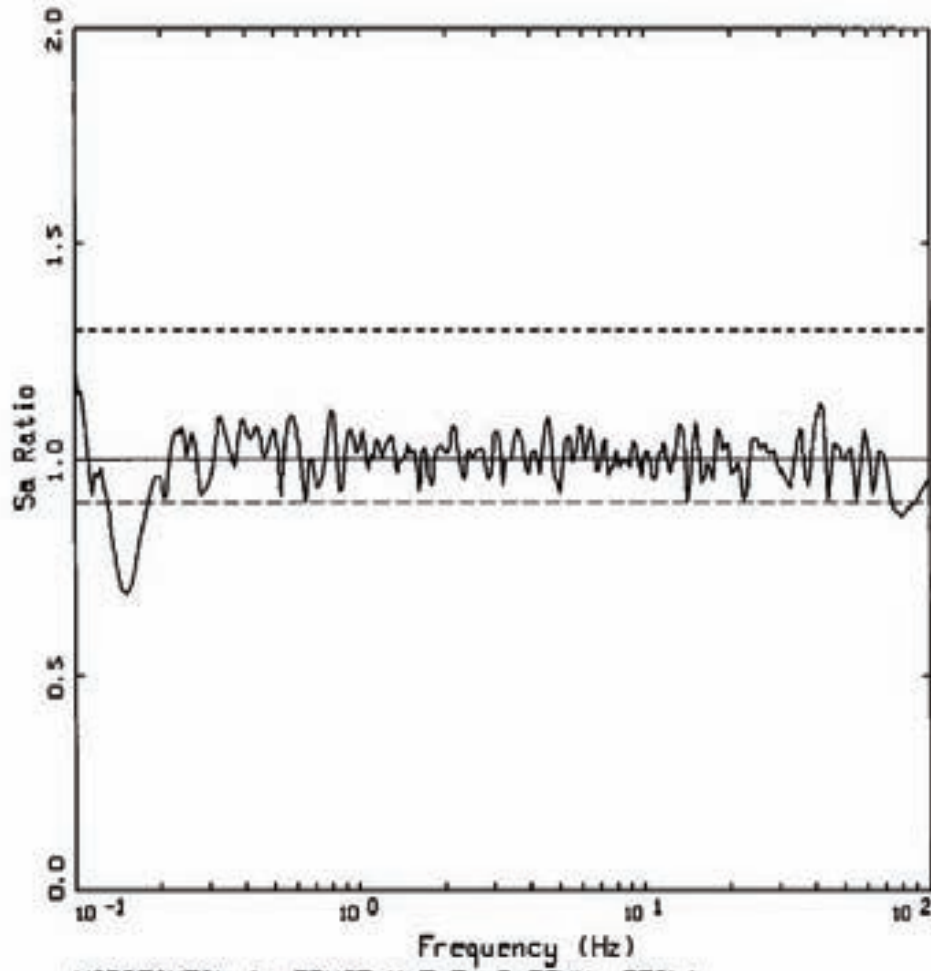
1E-05, HORIZONTAL 1
BASELINE CORRECTED, BRUCE MS.5, R=20KM, SEALD



HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M5.5, R=20KM, SEAL1

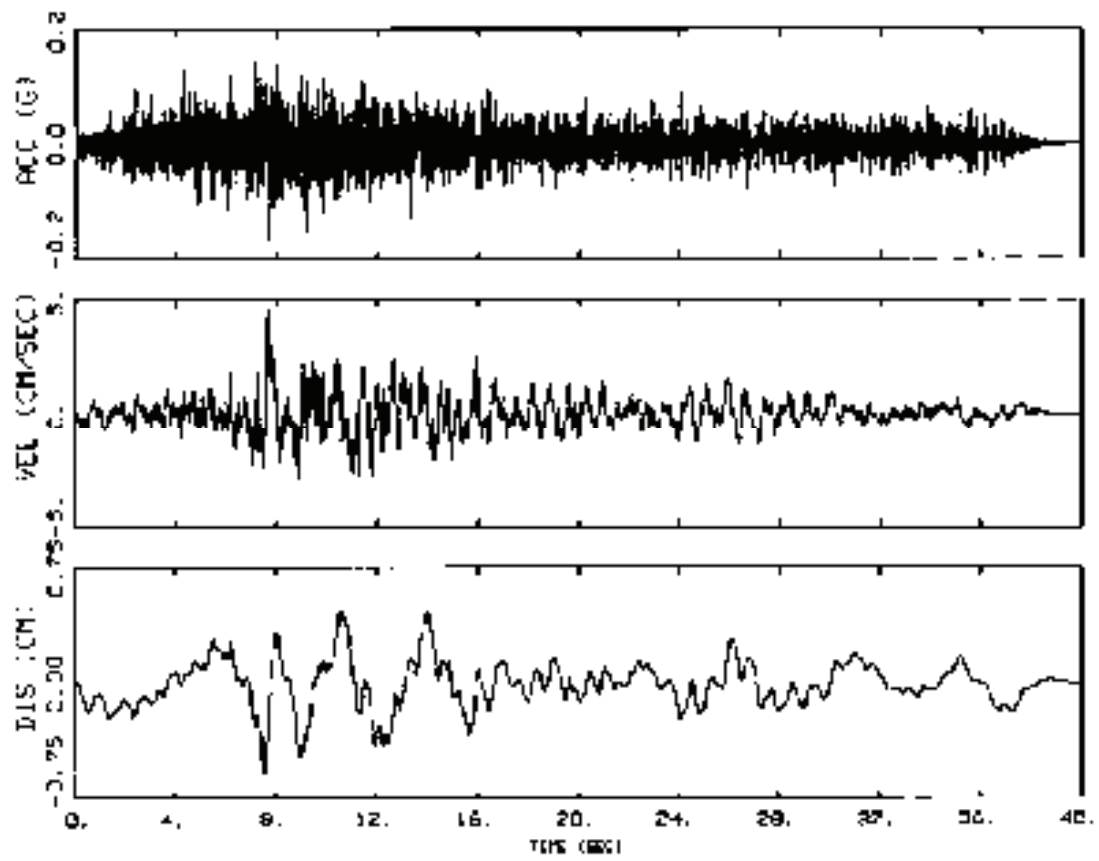
LEGEND
 ——— TARGET; PGA = 0.164 g
 - - - - - 5 % SPECTRAL RATIO; PGA = 0.157 g



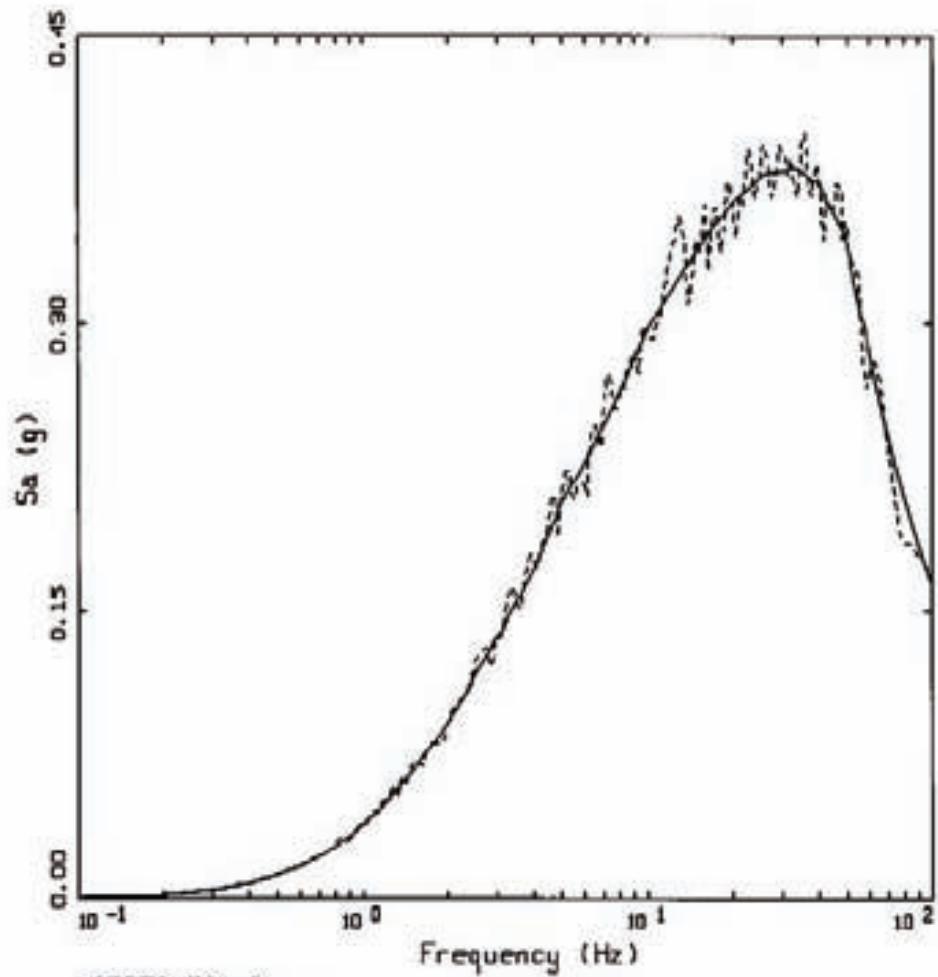


HORIZONTAL 1, BRUCE M=5.5, R=20KM, SEAL1
 SPECTRAL RATIO: MATCH/TARGET

LEGEND
 ——— SA RATIO: MATCH/TARGET
 ——— UNITY
 - - - - UNITY * 1.3
 - - - - UNITY / 1.131

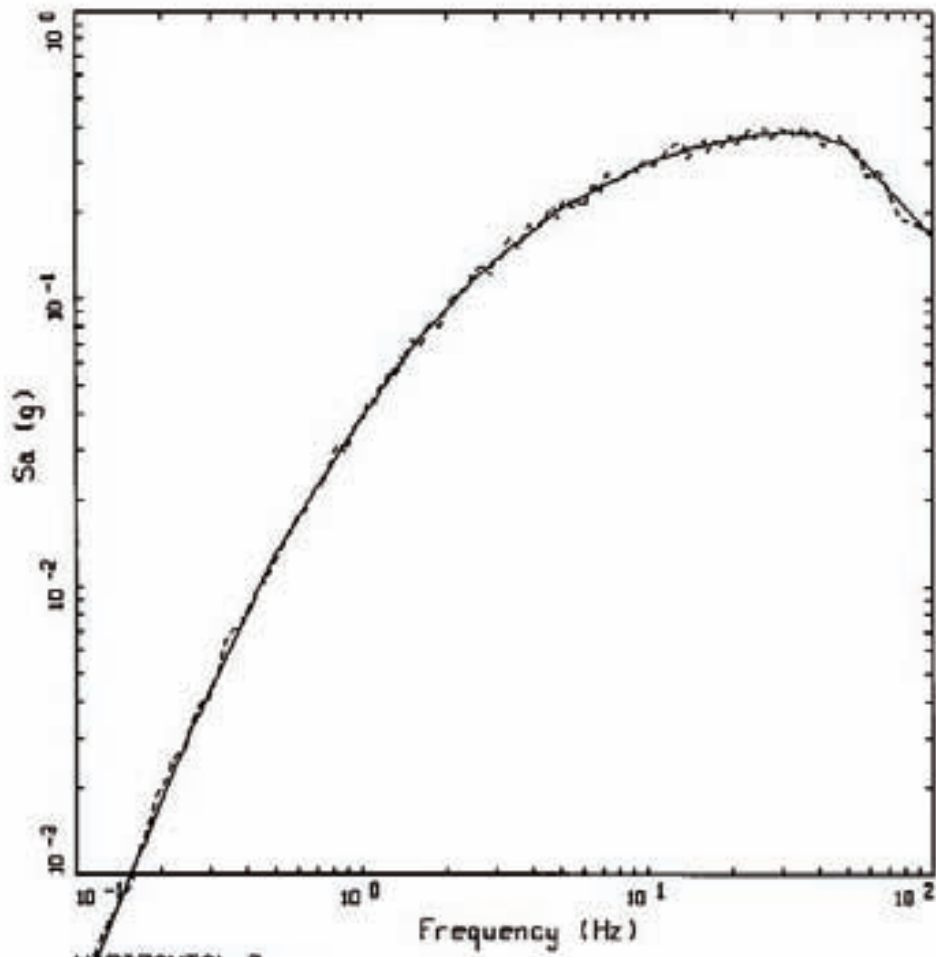


1E-05, HORIZONTAL 2
BASELINE CORRECTED, BRUOT 75.5, R=20KM, SEAL1

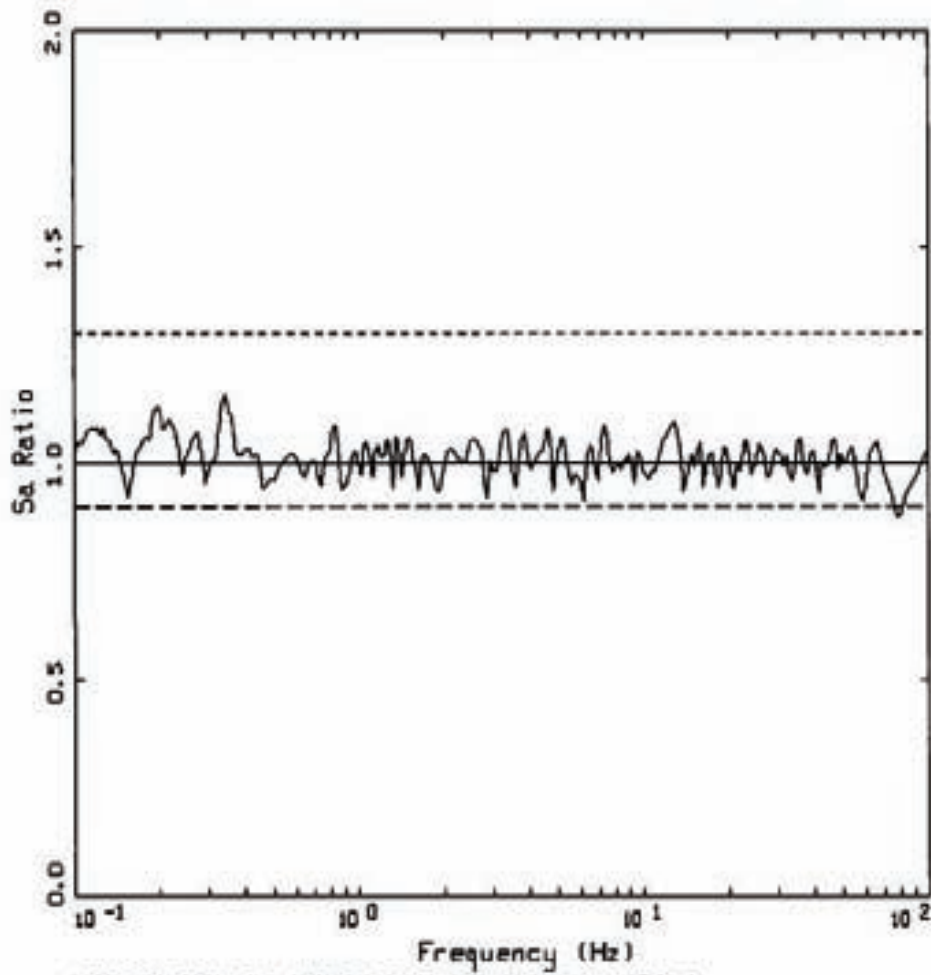


HORIZONTAL 2
BASELINE CORRECTED, BRUCE M5.5, R=20KM, SEAL1

LEGEND
—— TARGET; PGA = 0.164 g
----- 5 %, SPECTRAL MATCH; PGA = 0.169 g

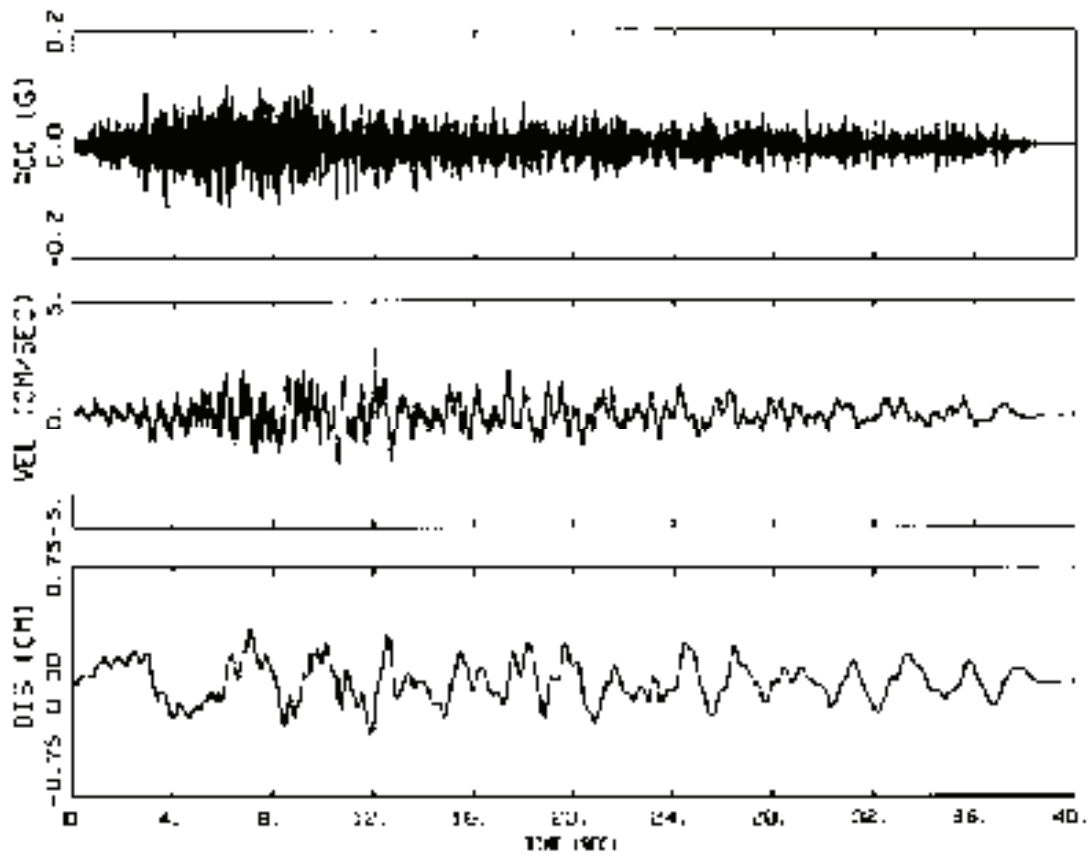


LEGEND
—— TARGET; PGA = 0.164 g
----- S 2, SPECTRAL RATIO; PGA = 0.169 g

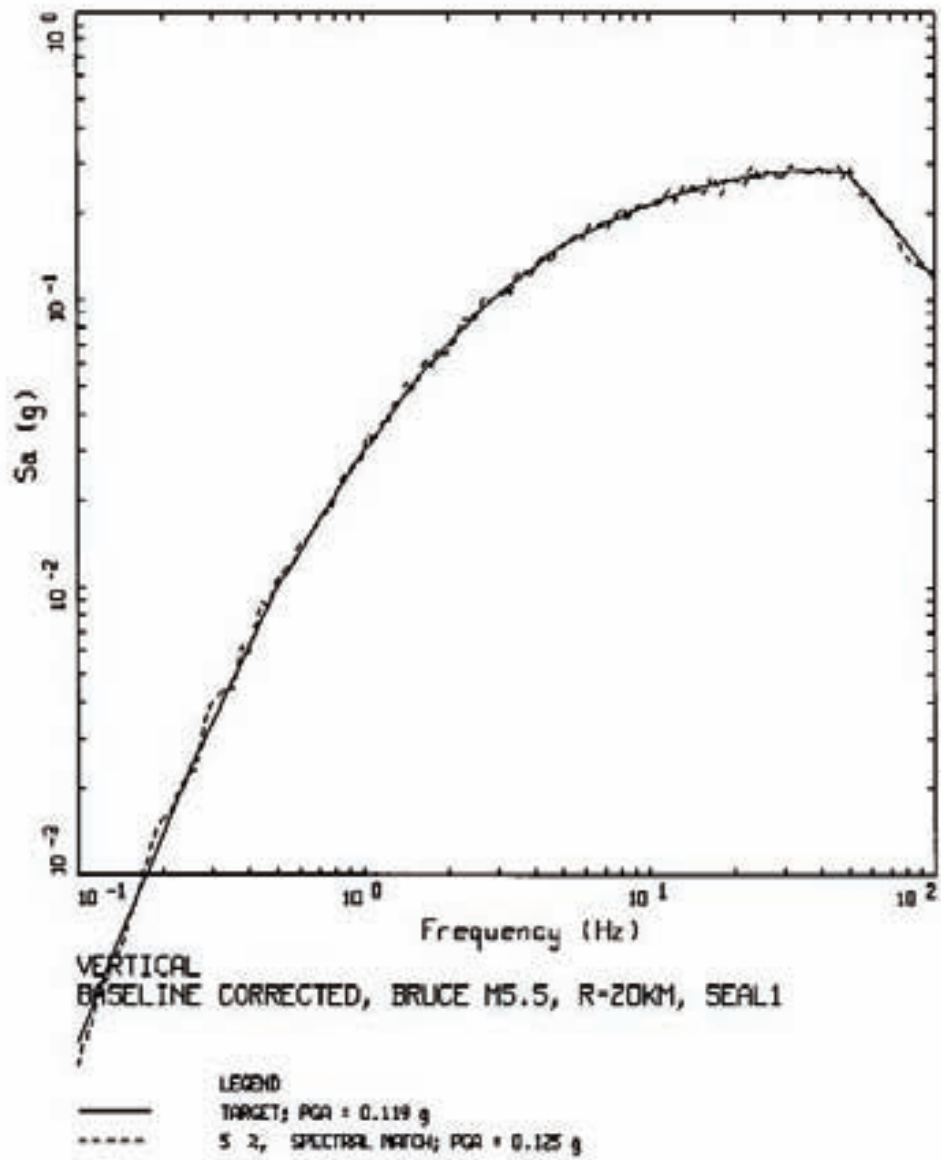


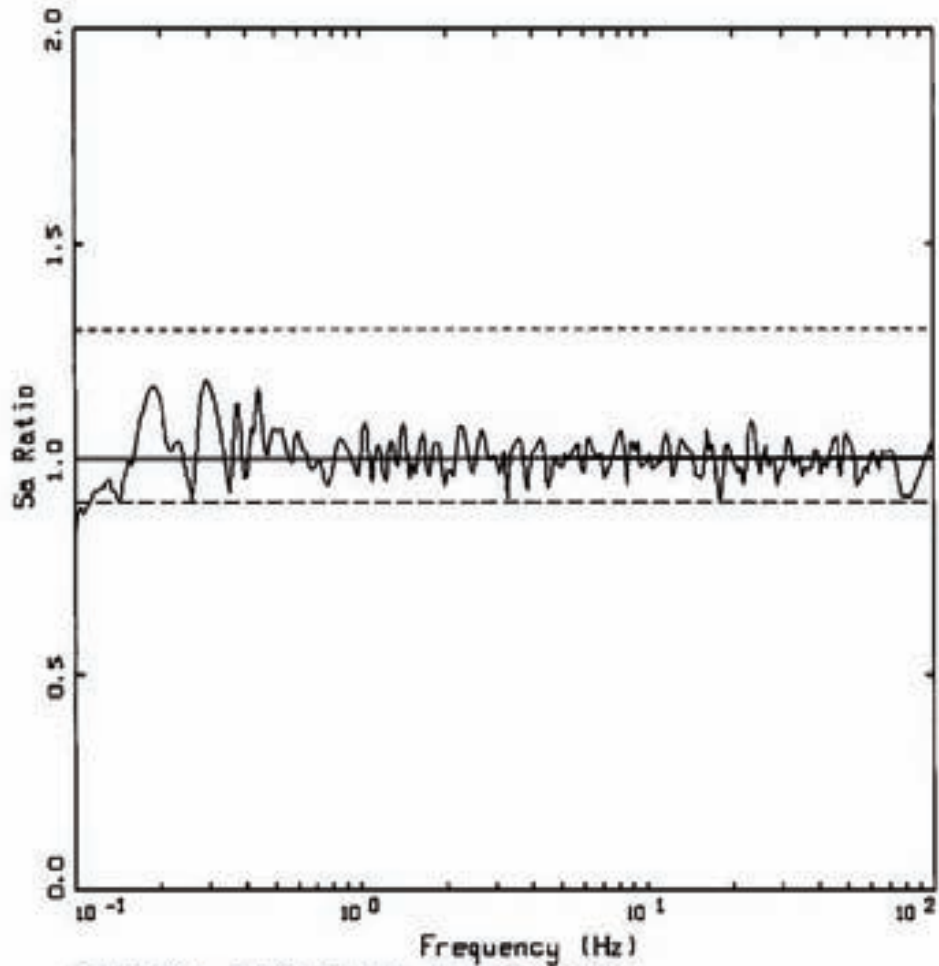
HORIZONTAL 2, BRUCE M=5.5, R=20KM, SEAL1
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.333



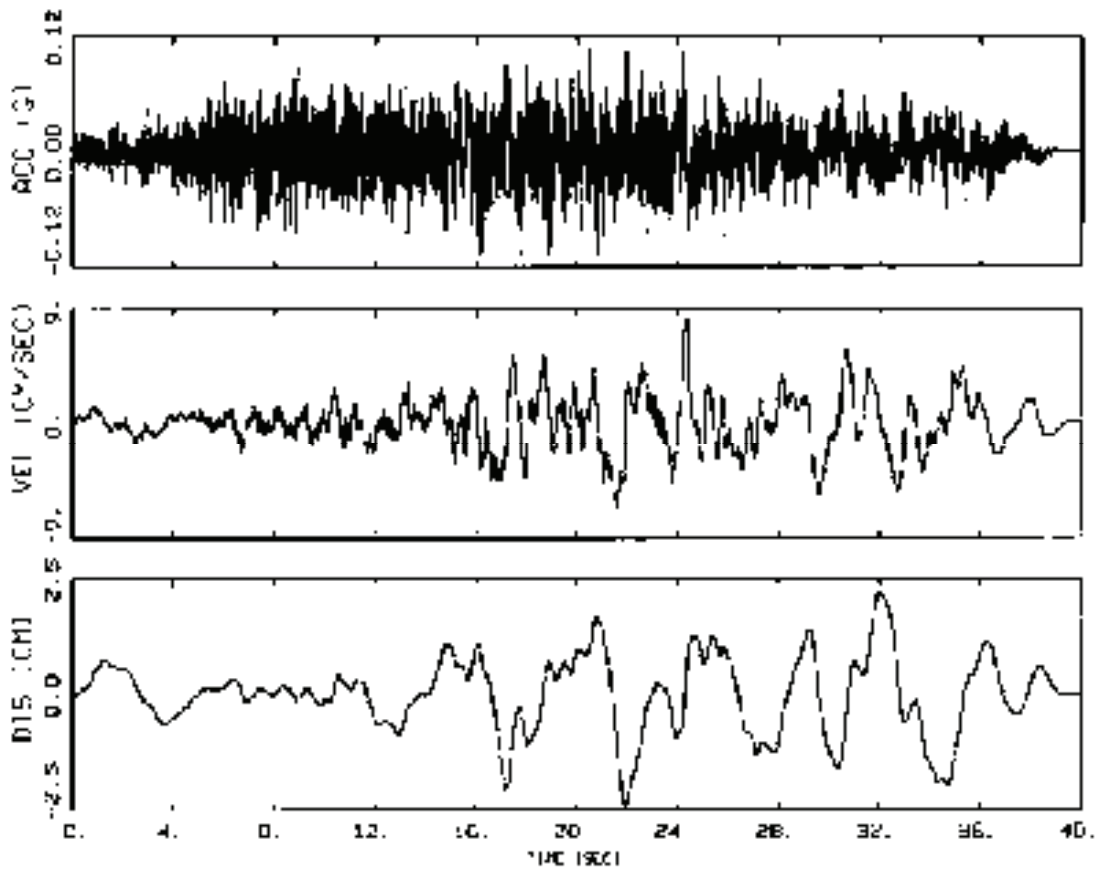
1E-05, VERTICAL
BASELINE CORRECTED, BRUCE MS. 5, X=20KM, S=AL 3



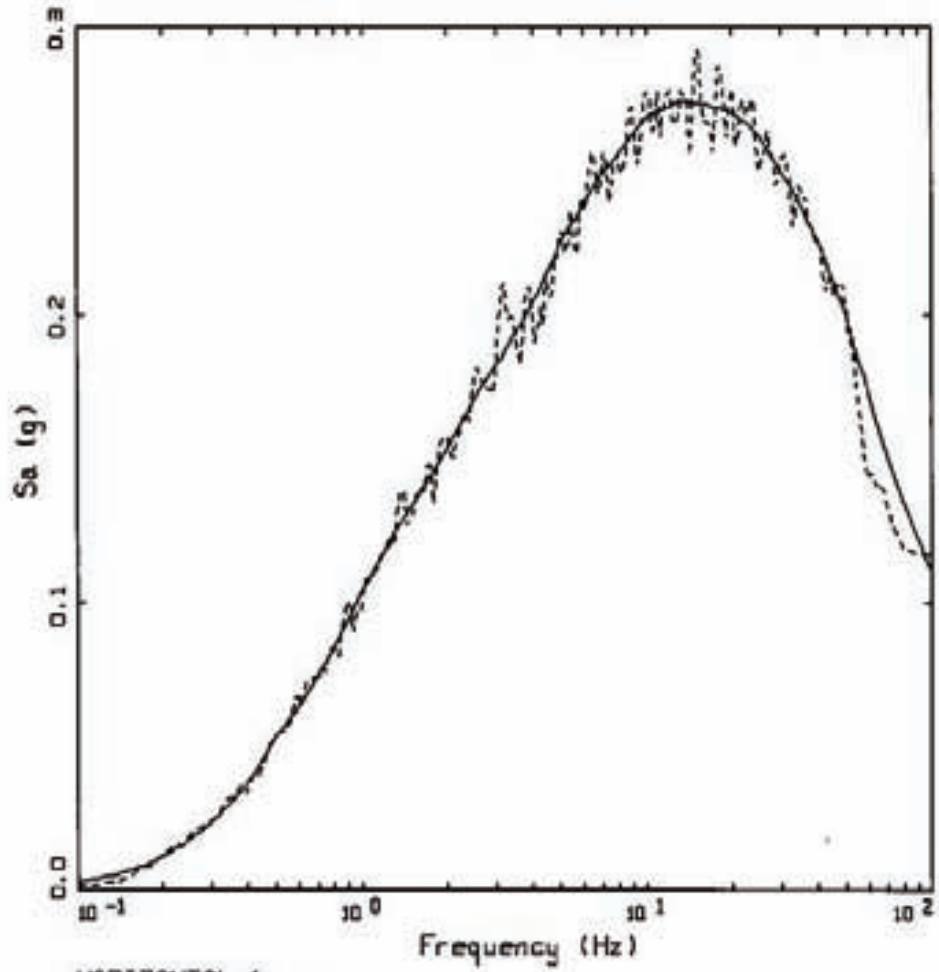


VERTICAL, BRUCE M=5.5, R=20KM, SEAL1
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY * 1.3
 - - - UNITY / 1.111

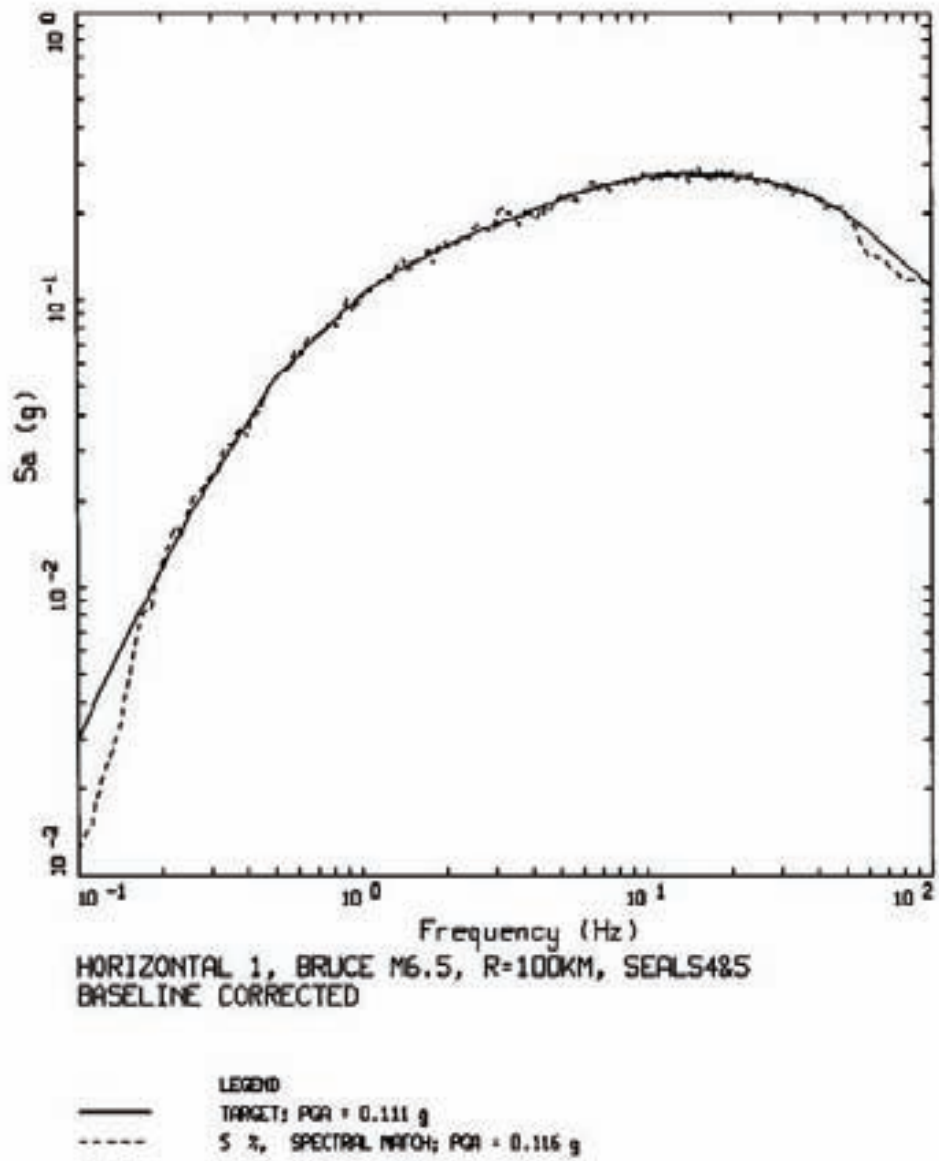


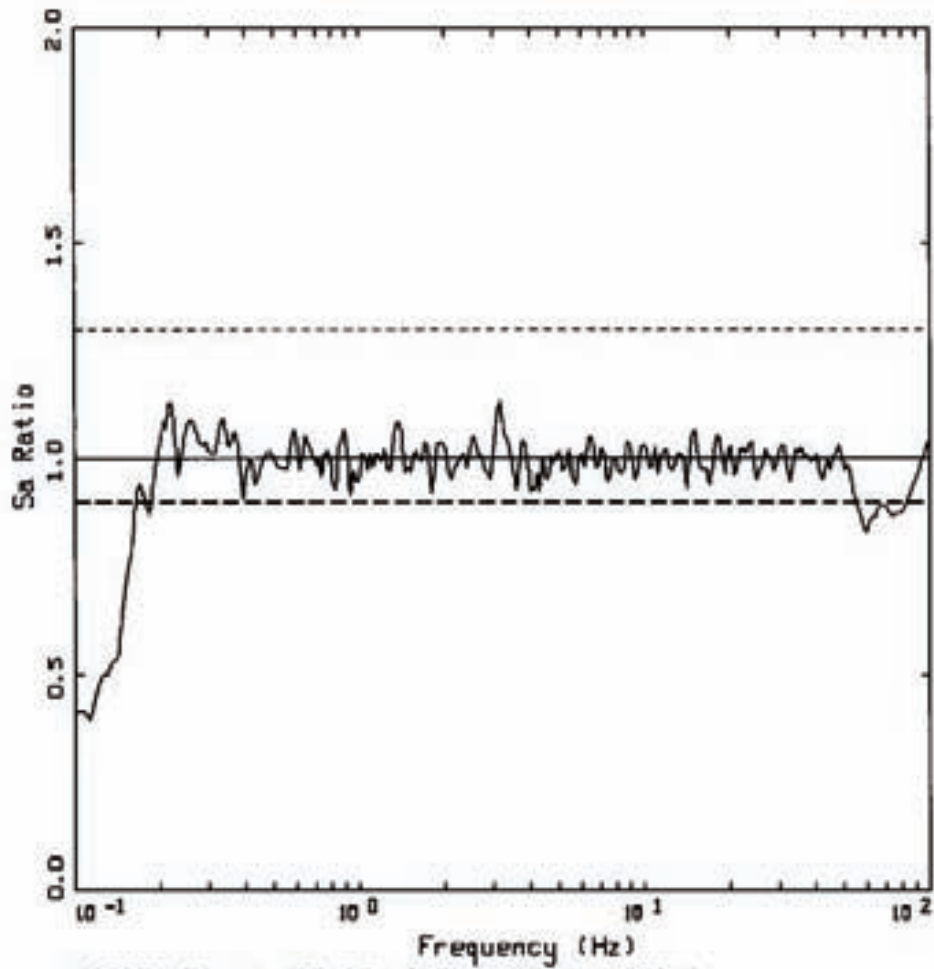
1E-05, HORIZONTAL ;
BASELINE CORRECTED, BRUCE #6.5, R=100KM, SEAL;



HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M6.5, R-100KM, SEAL1

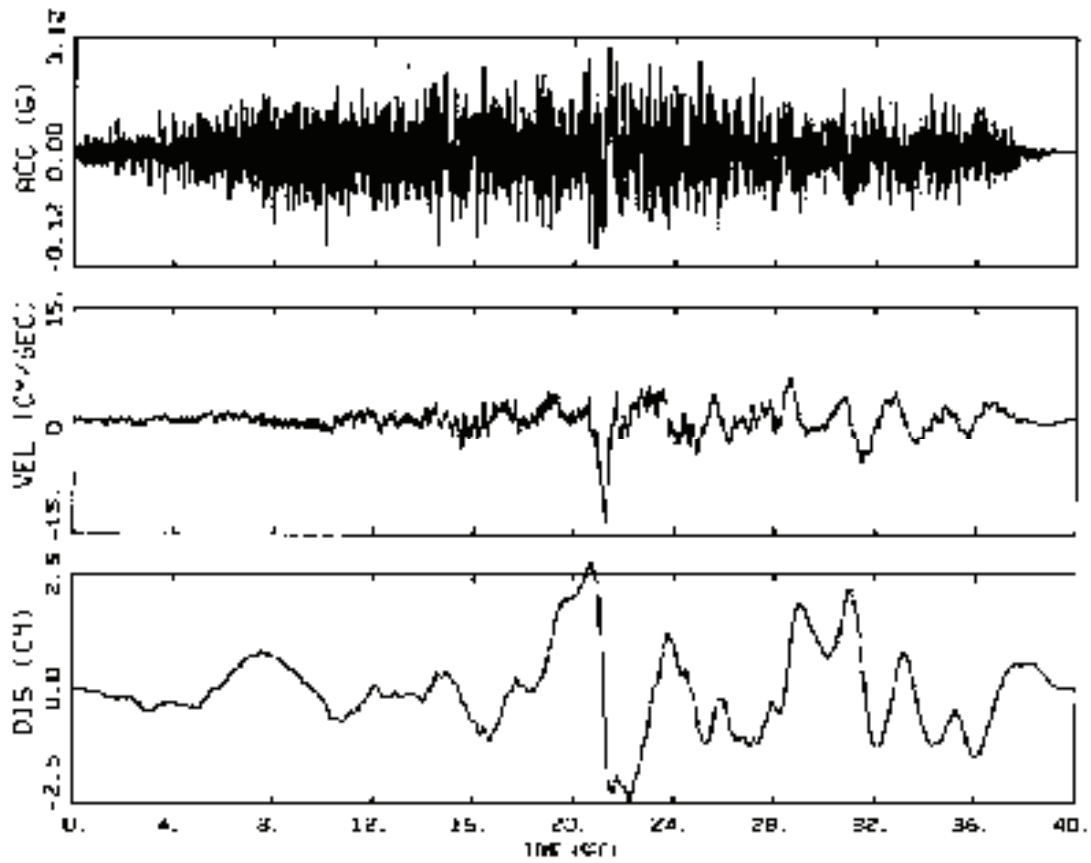
LEGEND
 ——— TARGET; PGA = 0.111 g
 - - - - - S 2, SPECTRAL MATCH; PGA = 0.116 g



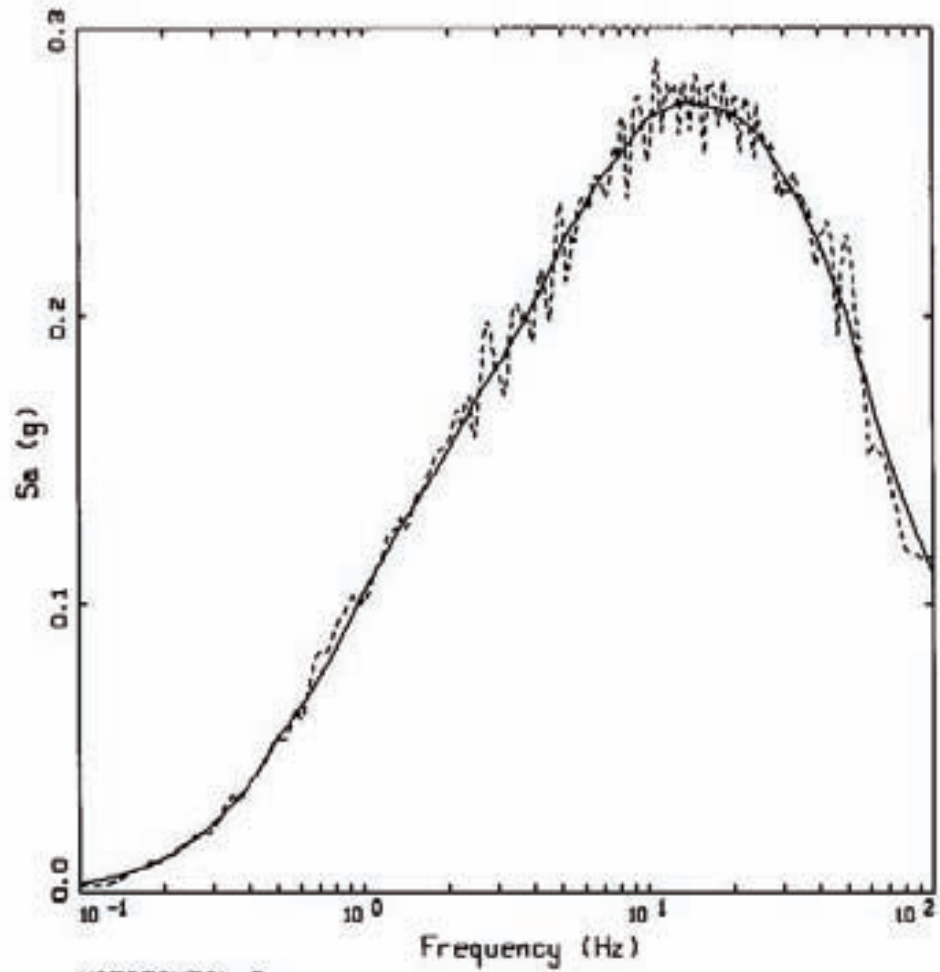


HORIZONTAL 1, BRUCE M6.5, R=100KM, SEAL1
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY ± 1.3
 - UNITY / 1.111

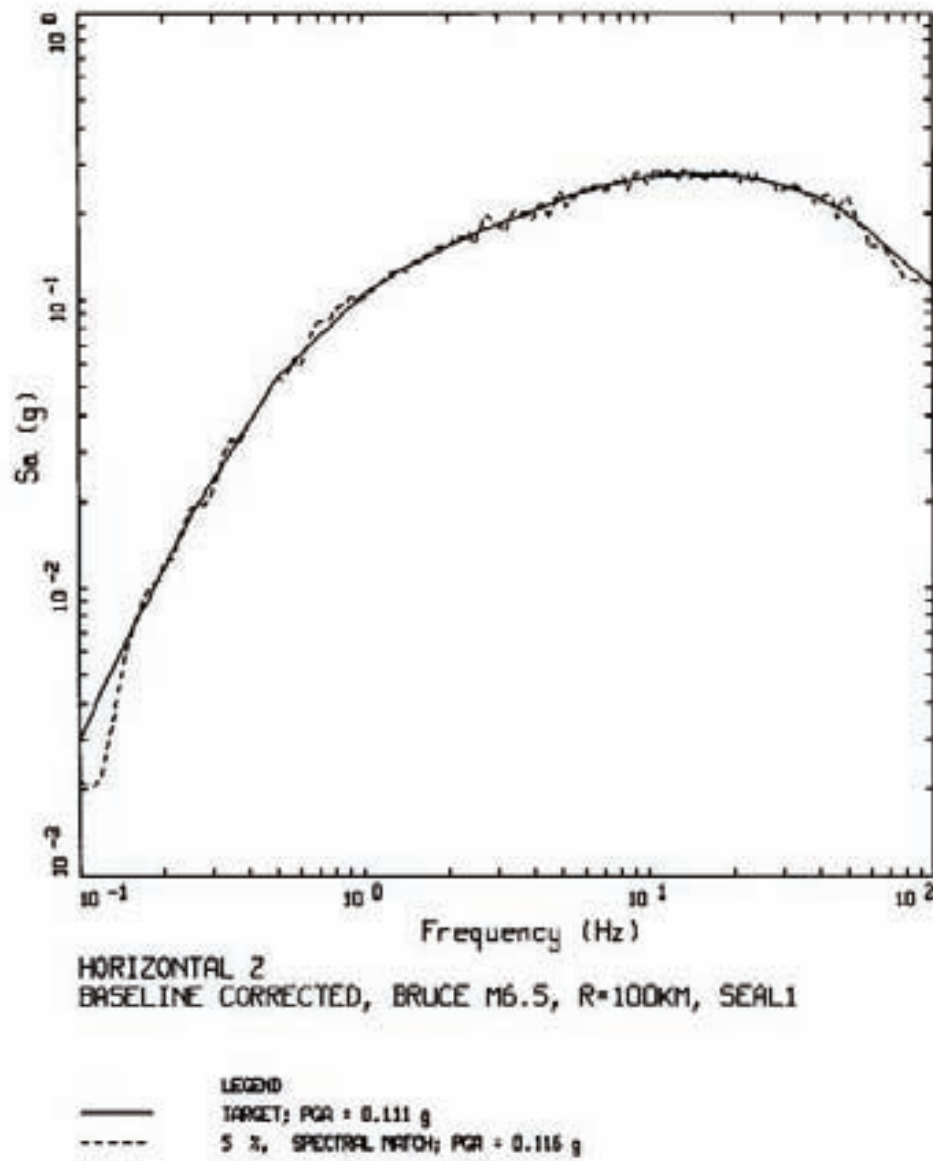


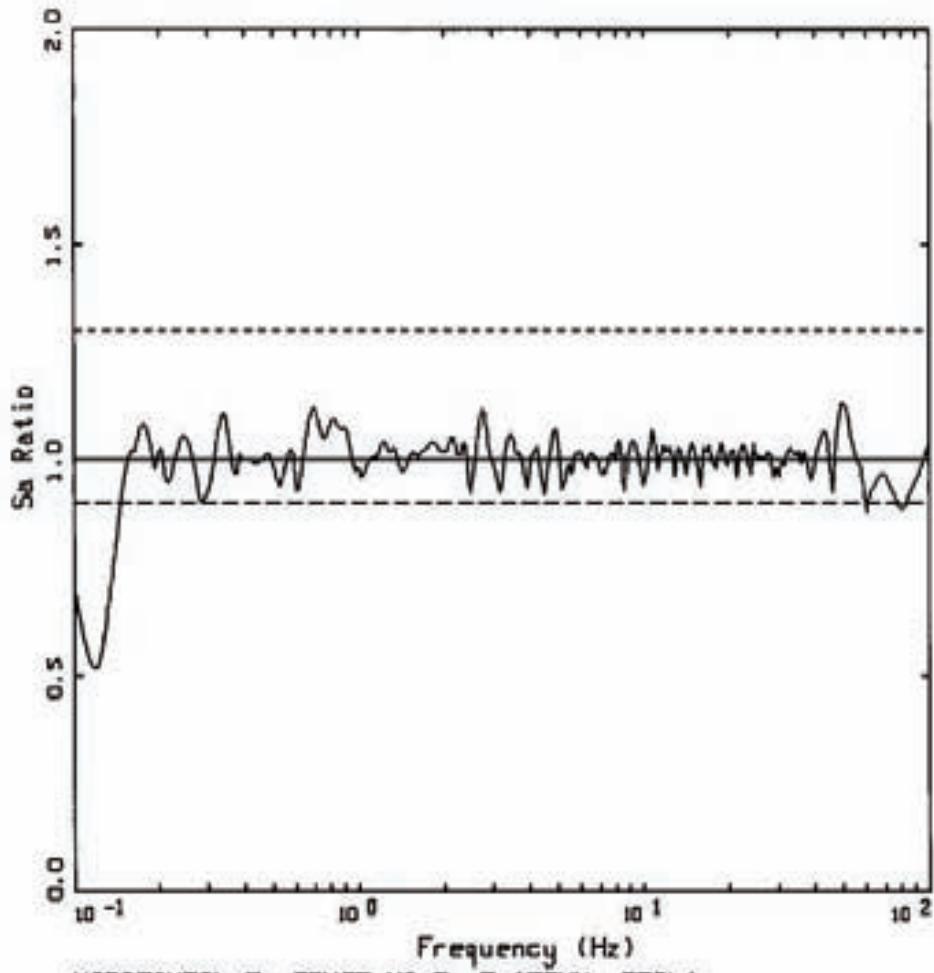
1E-05, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M6.5, R=100KM, SCAL1



HORIZONTAL 2
BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEAL1

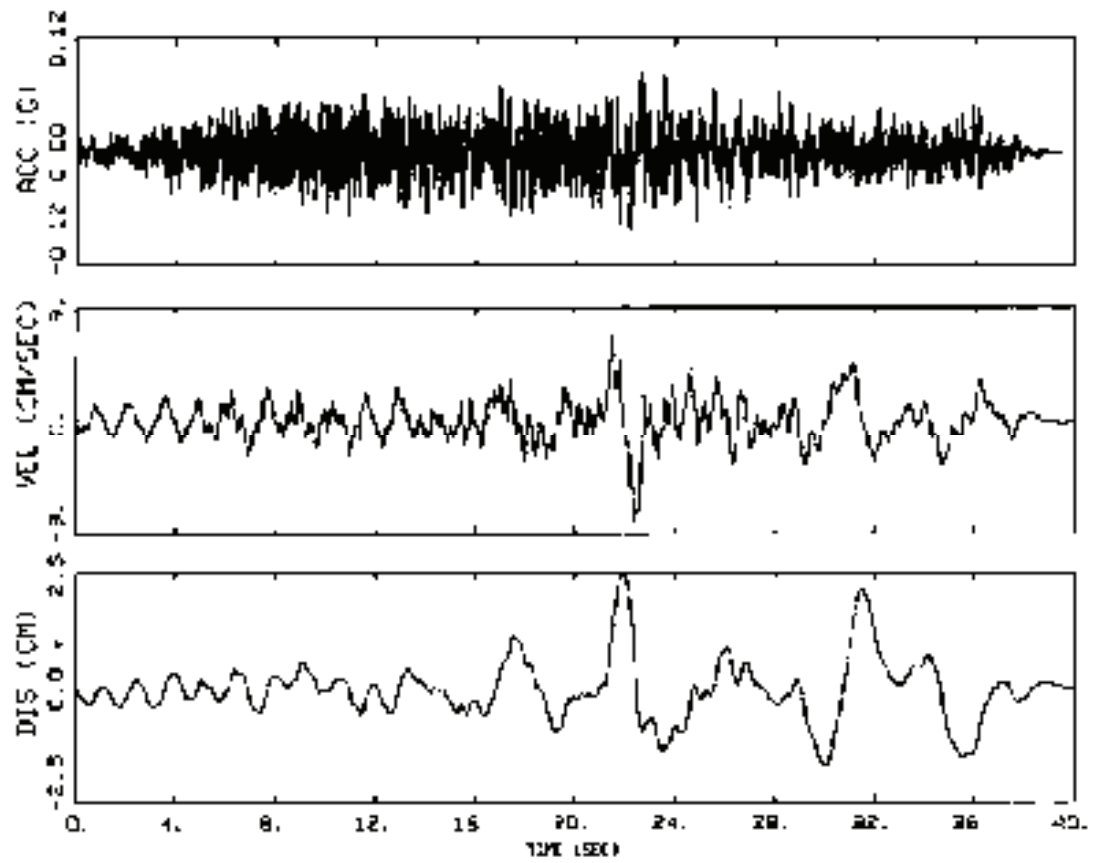
LEGEND
—— TARGET; PGA = 0.111 g
----- 5 % SPECTRAL MATCH; PGA = 0.116 g



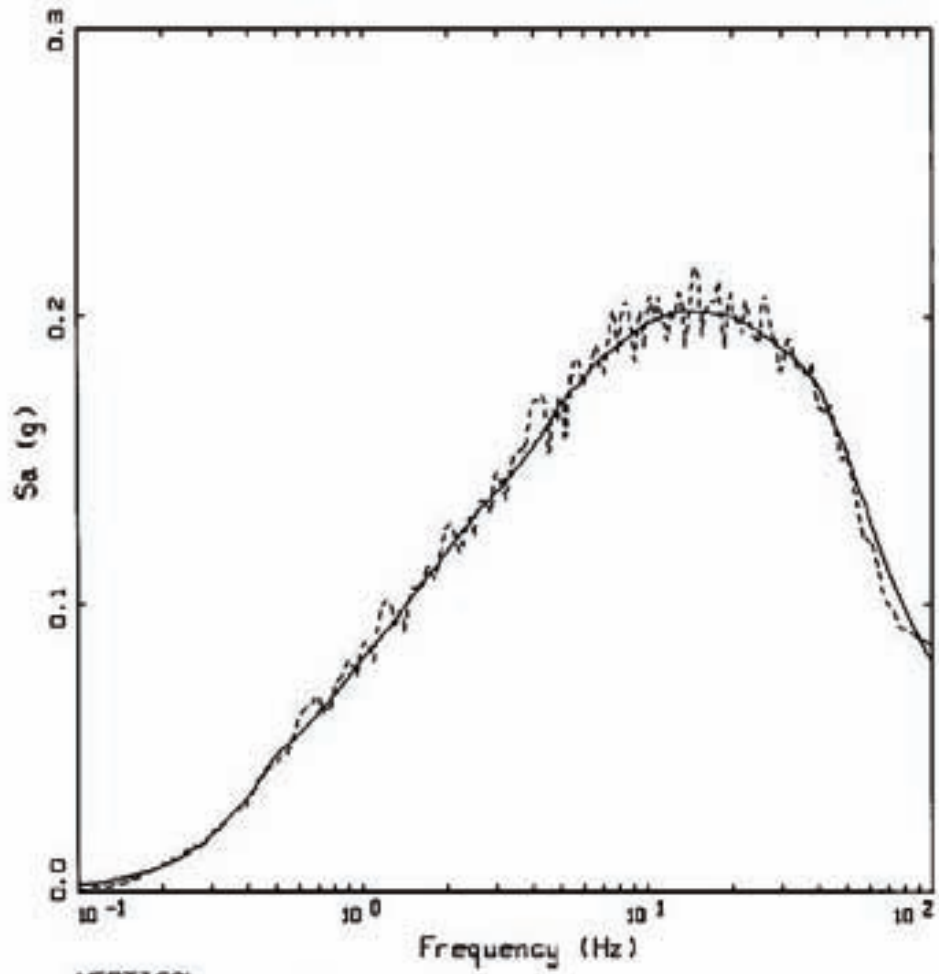


HORIZONTAL Z, BRUCE M6.5, R=100KM, SEAL1
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111

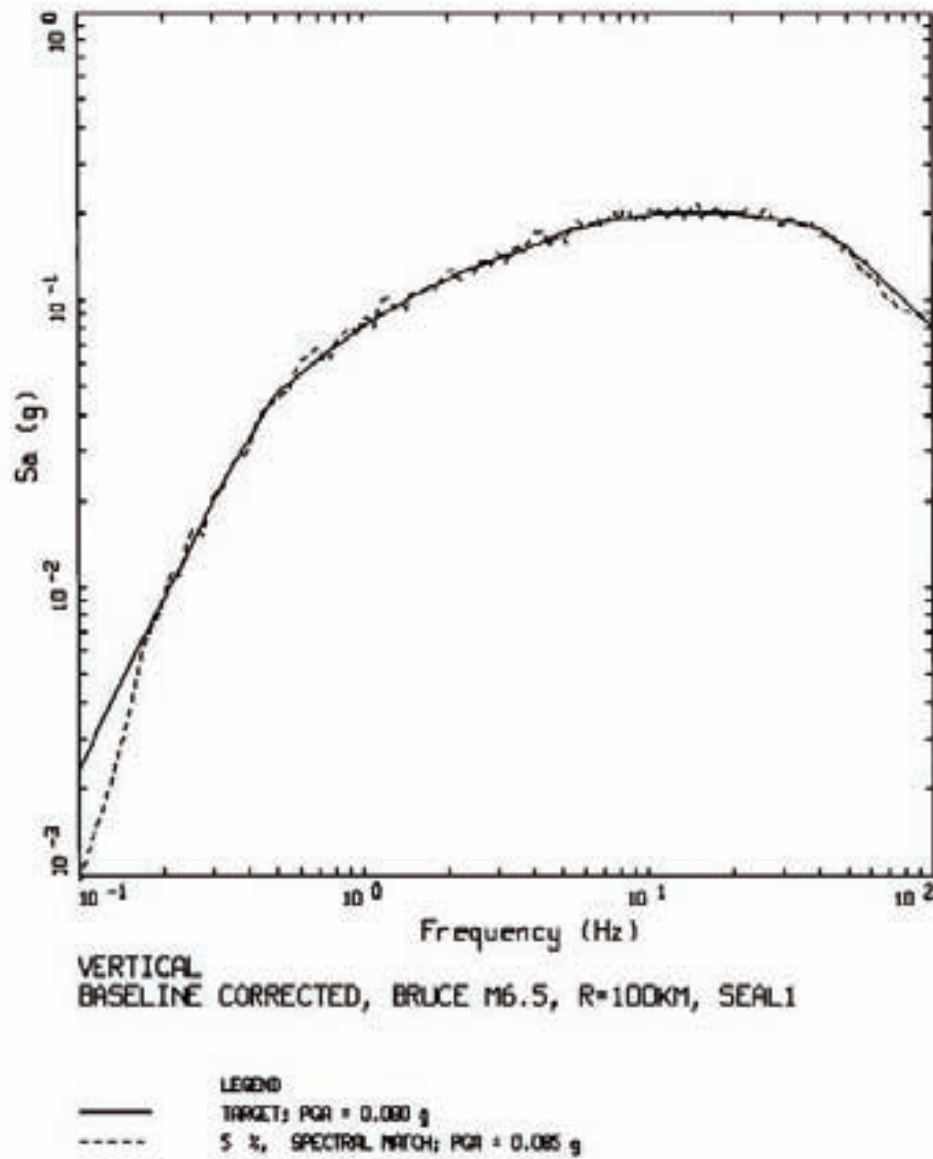


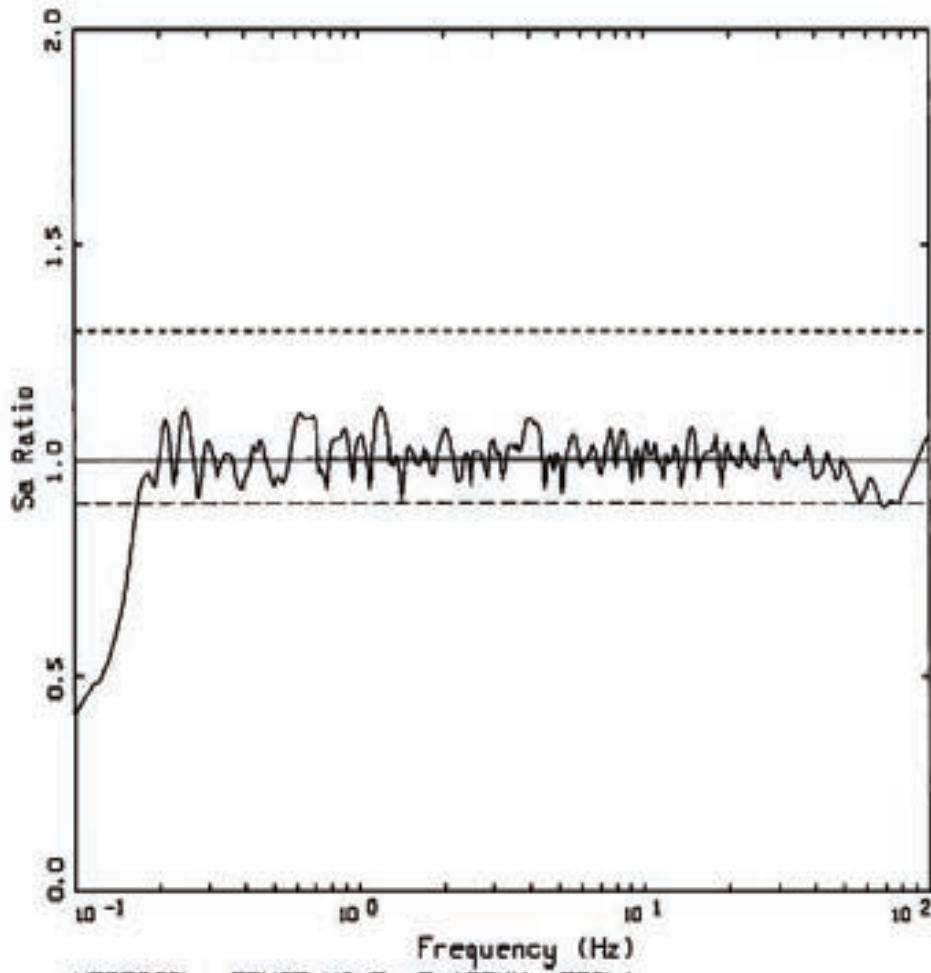
1E-05, VERTICAL
BASELINE CORRECTED, BRIDGE NO. 5, 2-100RM, SEP 1



VERTICAL
 BASELINE CORRECTED, BRUCE M6.5, R-100KM, SEAL1

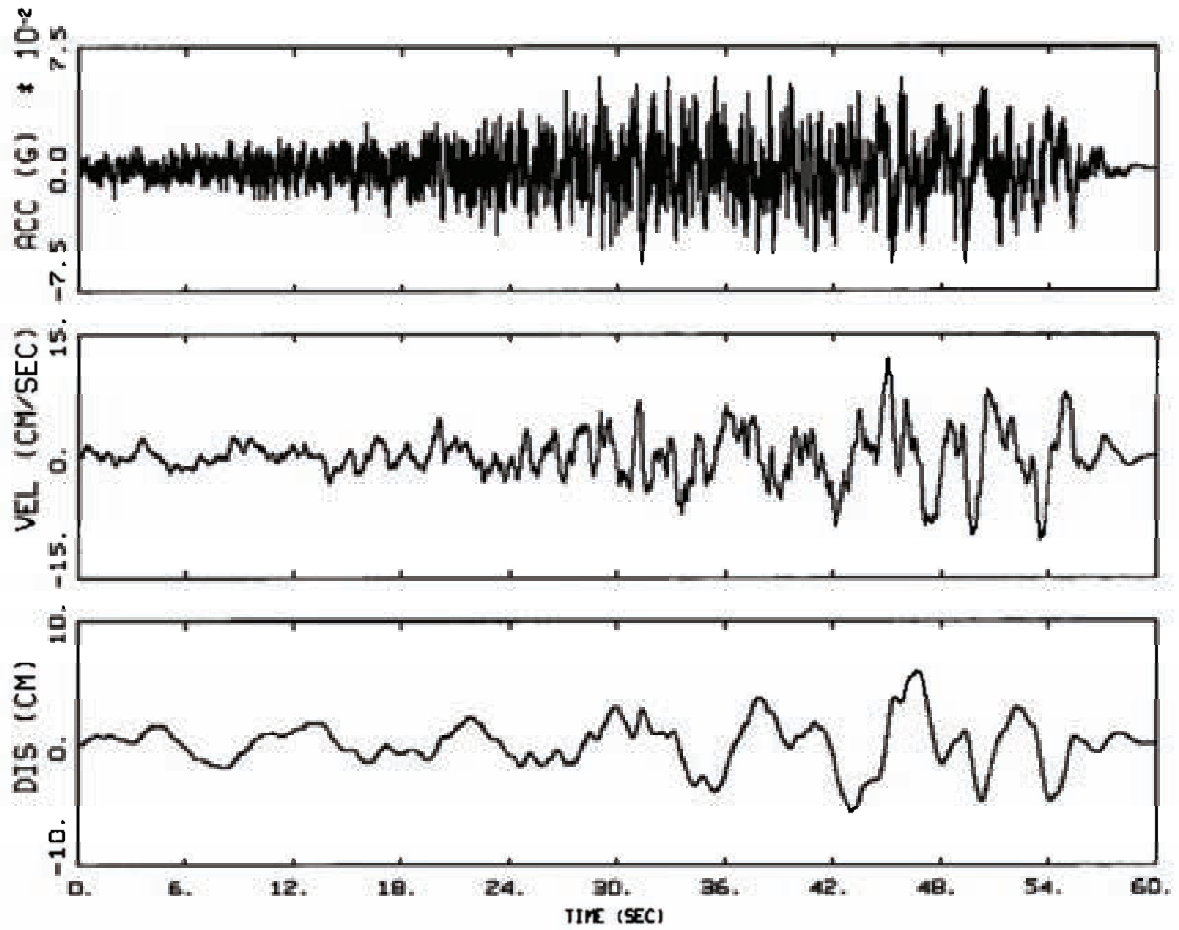
LEGEND
 ——— TARGET; PGA = 0.080 g
 - - - - - S 2, SPECTRAL RATIO; PGA = 0.085 g



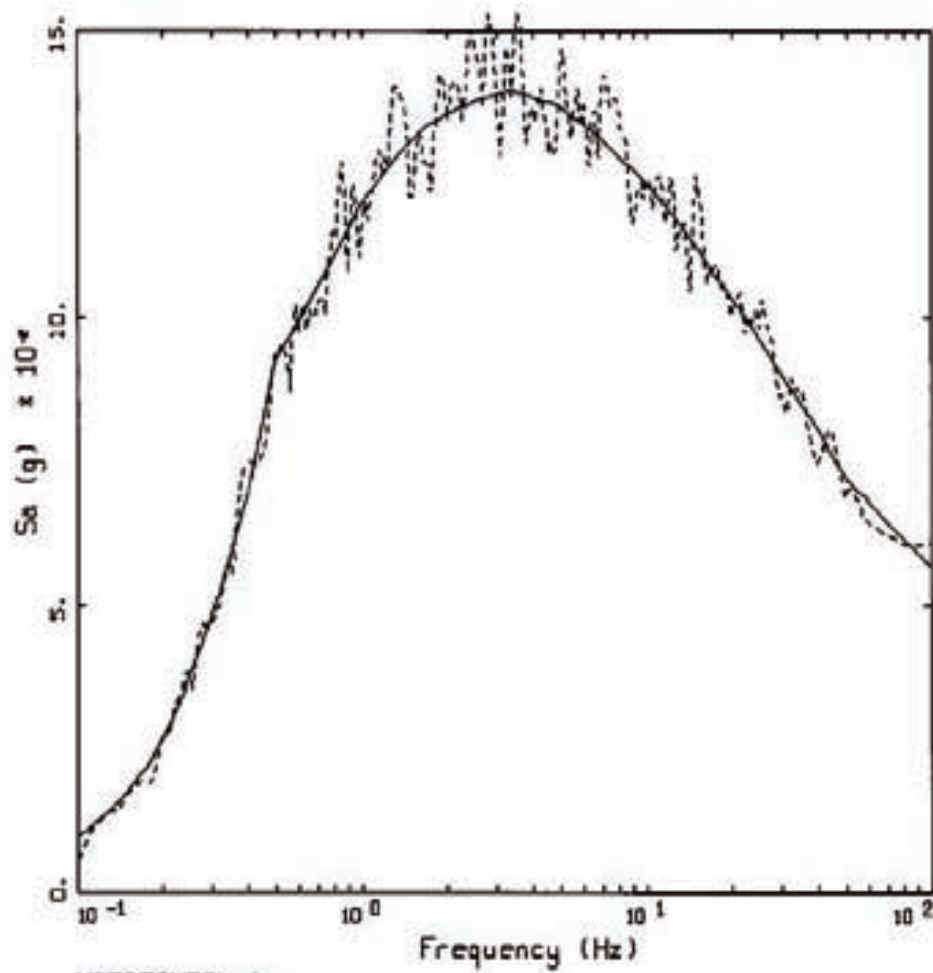


VERTICAL, BRUCE M6.5, R=100KM, SEAL1
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - .-.-.- UNITY / 1.111

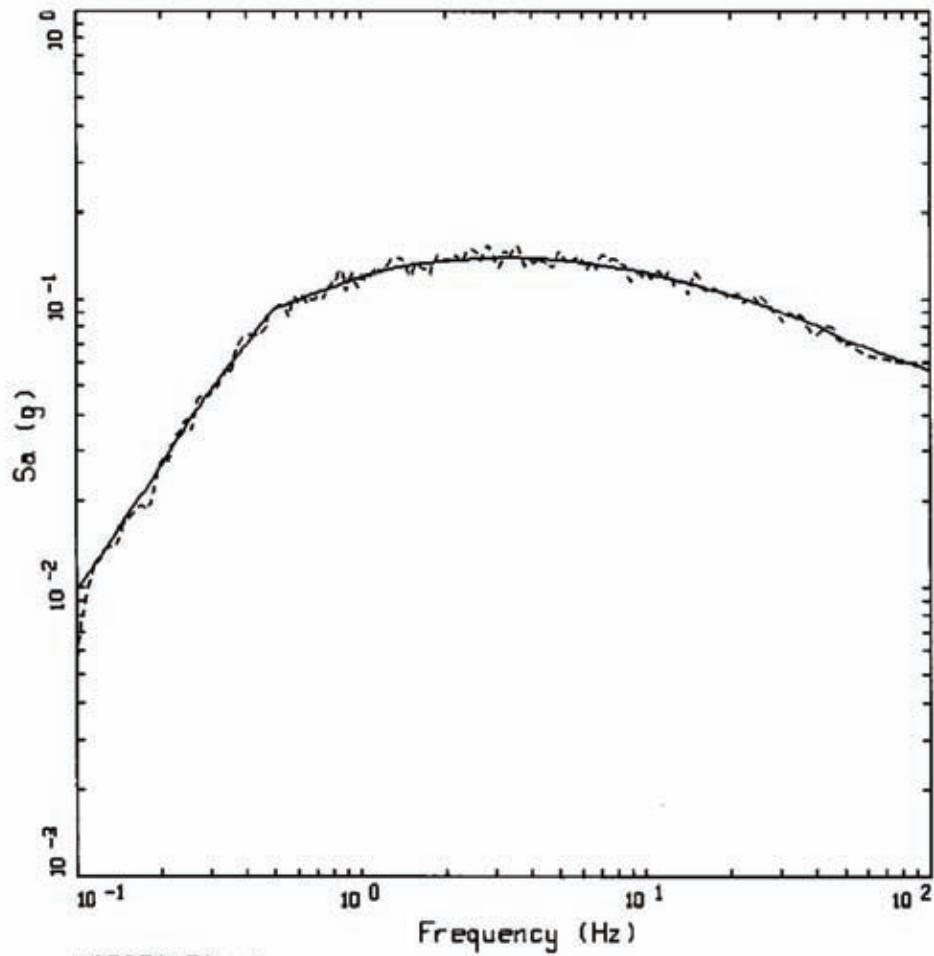


1E-05, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEAL1



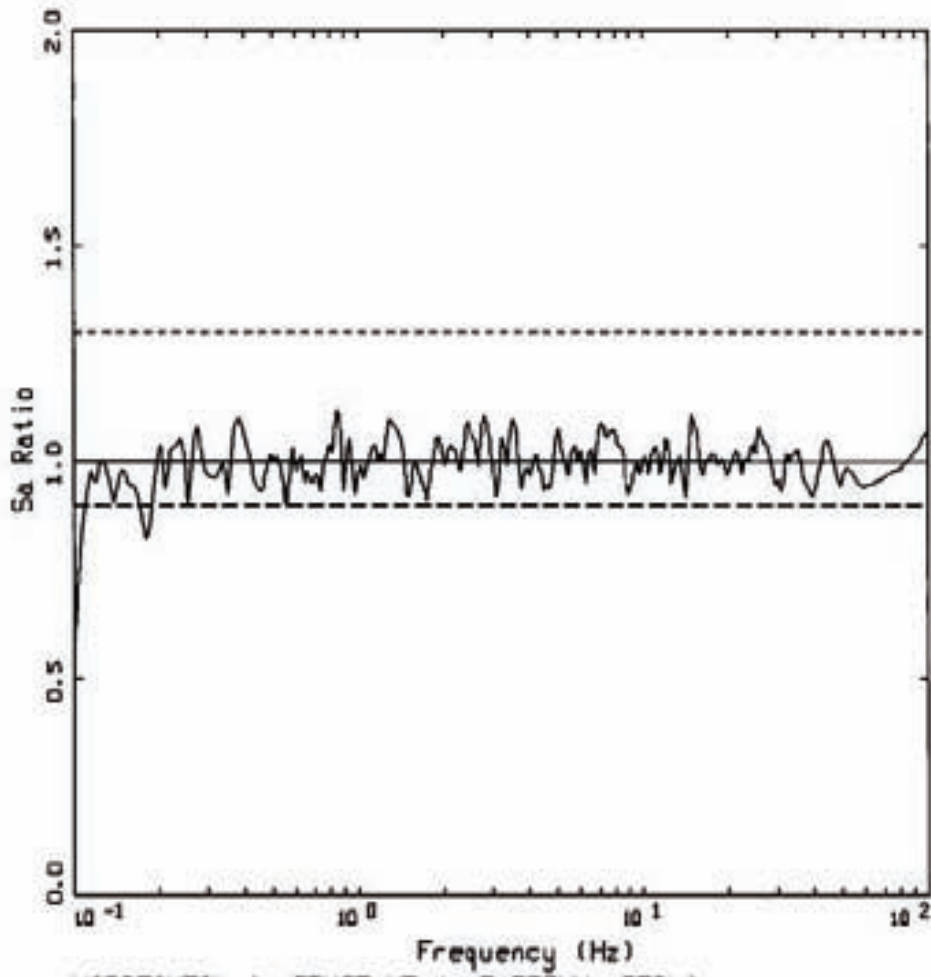
HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M7.4, R-300KM, SEAL1

LEGEND
 ——— TARGET; PGA = 0.057 g
 - - - - 5 %, SPECTRAL RATIO; PGA = 0.061 g



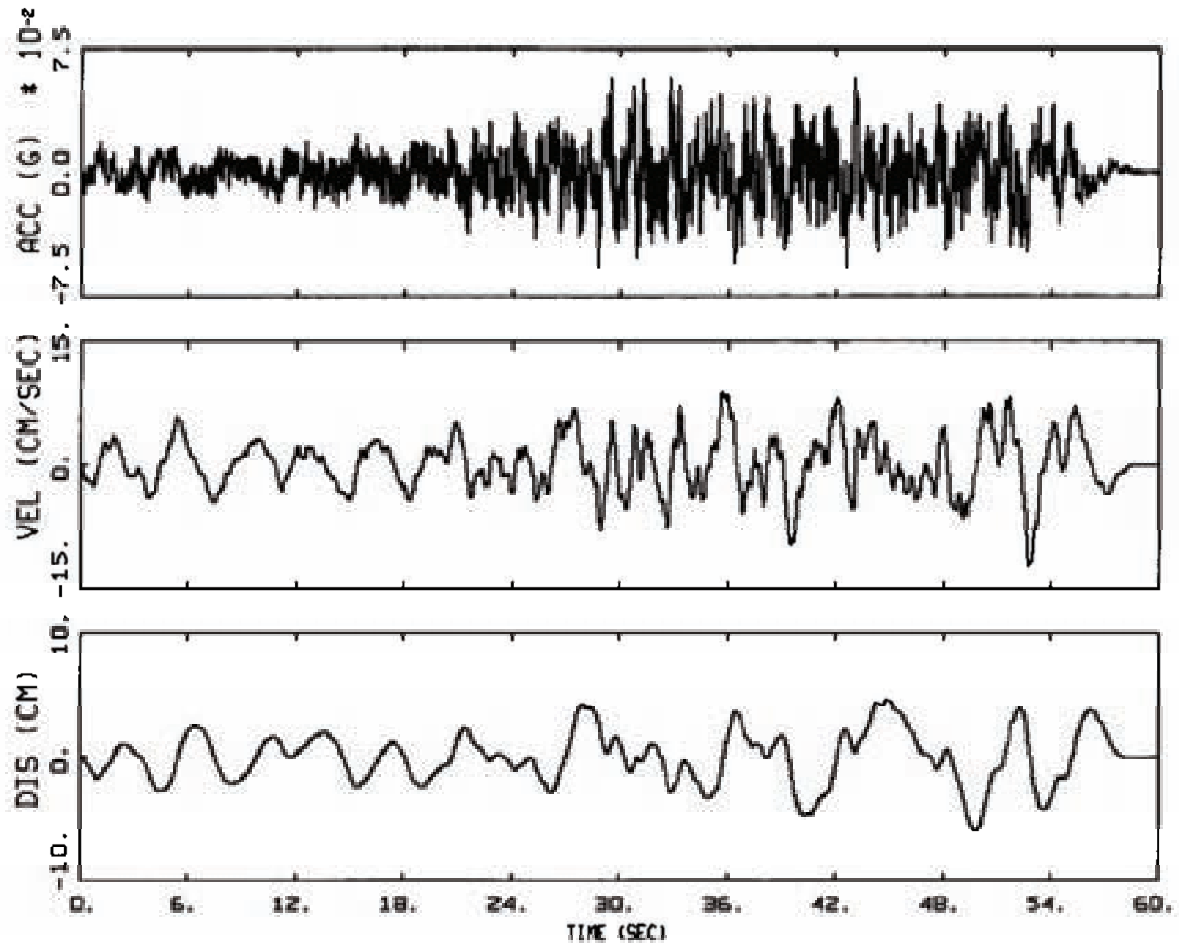
HORIZONTAL 1
BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEAL1

LEGEND
—— TARGET; PGA = 0.057 g
----- 5 %, SPECTRAL MATCH; PGA = 0.061 g

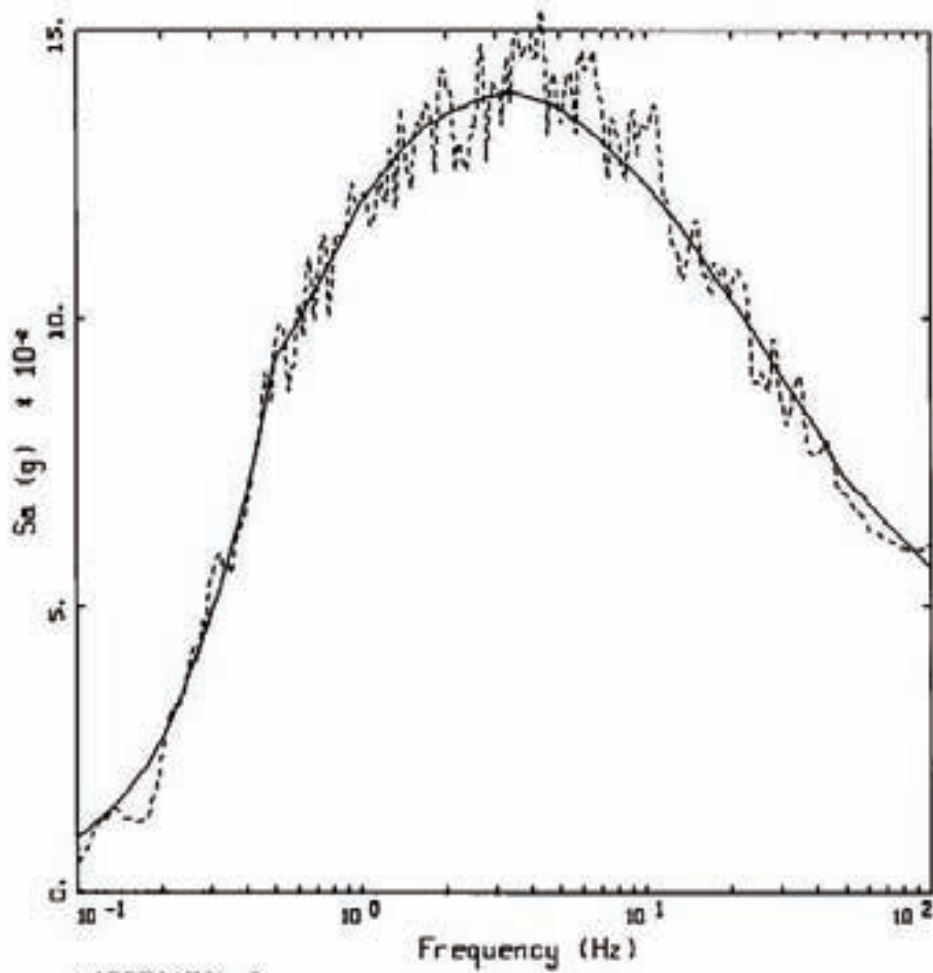


HORIZONTAL 1, BRUCE M7.4, R=300KM, SEAL1
SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.311

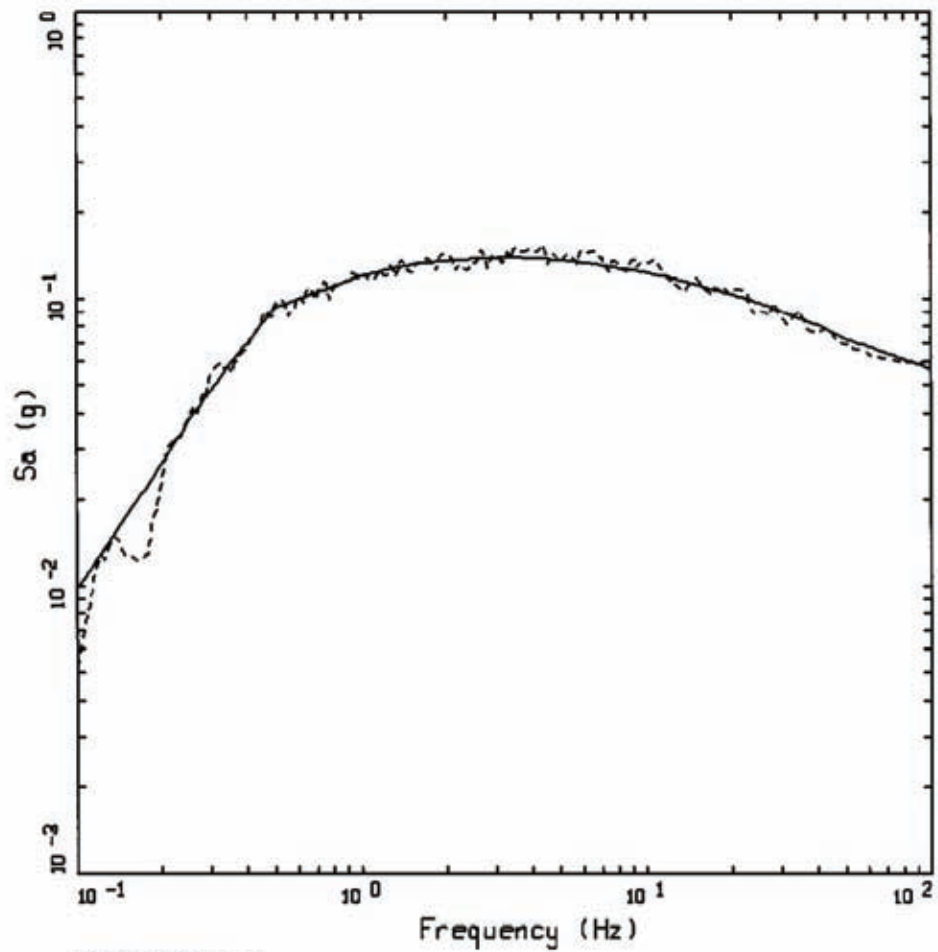


1E-05, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEAL1



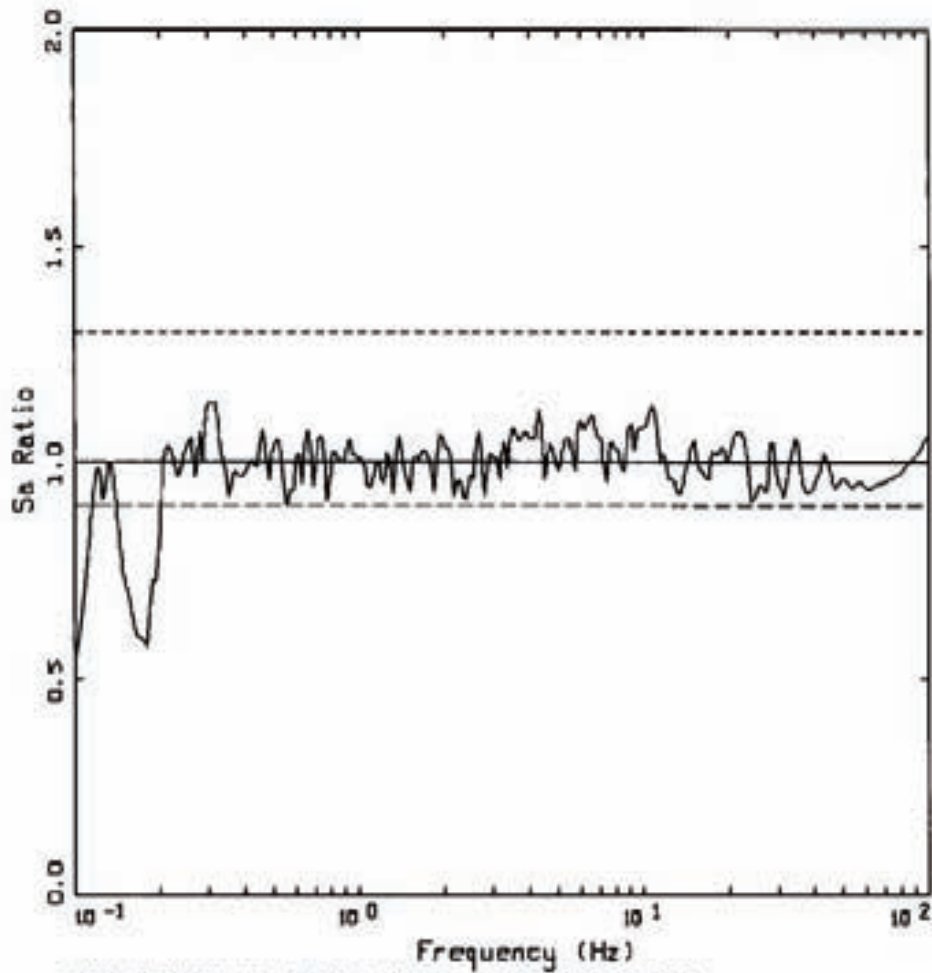
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M7.4, R-300KM, SEAL1

LEGEND
 ——— TARGET; PGA = 0.057 g
 - - - - - S 2, SPECTRAL MATCH; PGA = 0.060 g



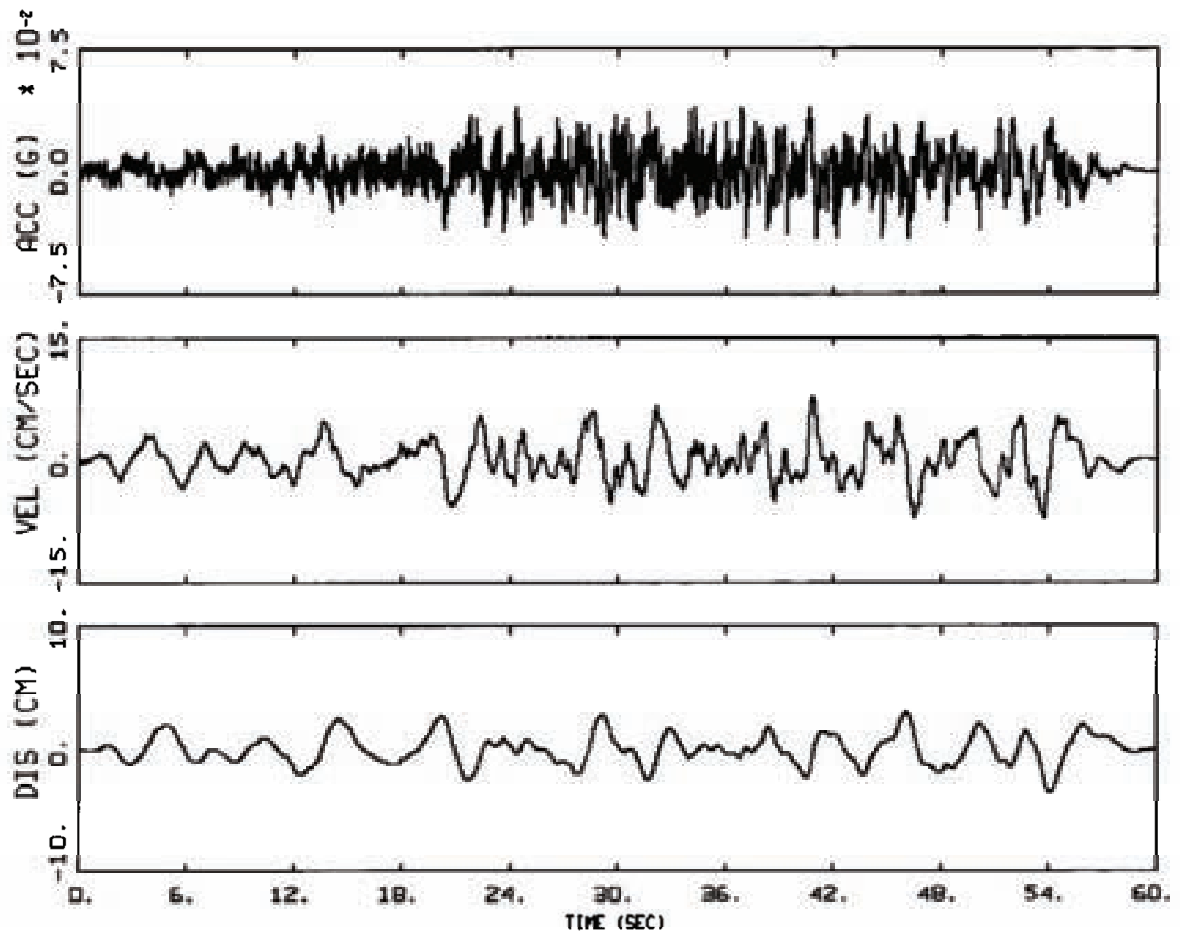
HORIZONTAL 2
BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEAL1

LEGEND
—— TARGET; PGA = 0.057 g
----- 5 %, SPECTRAL MATCH; PGA = 0.060 g

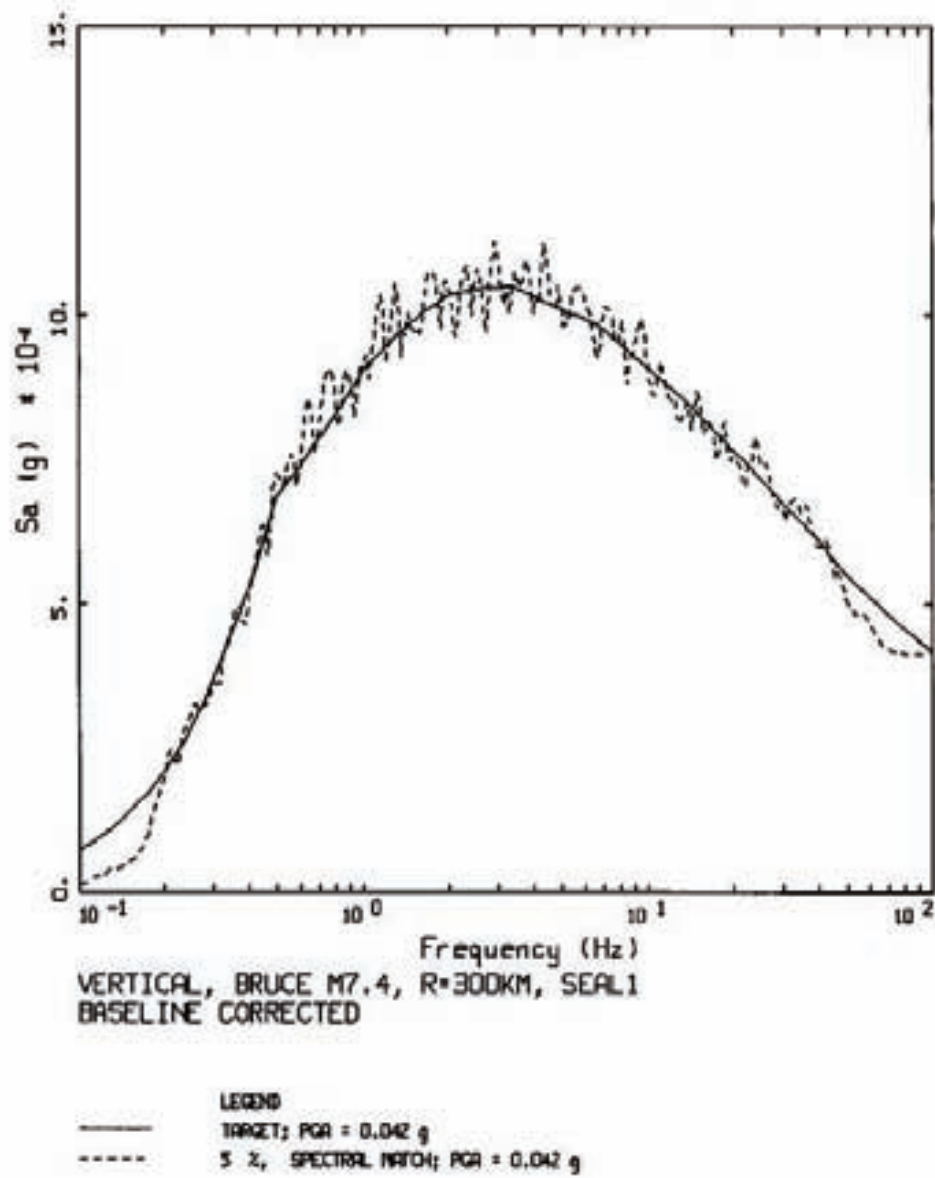


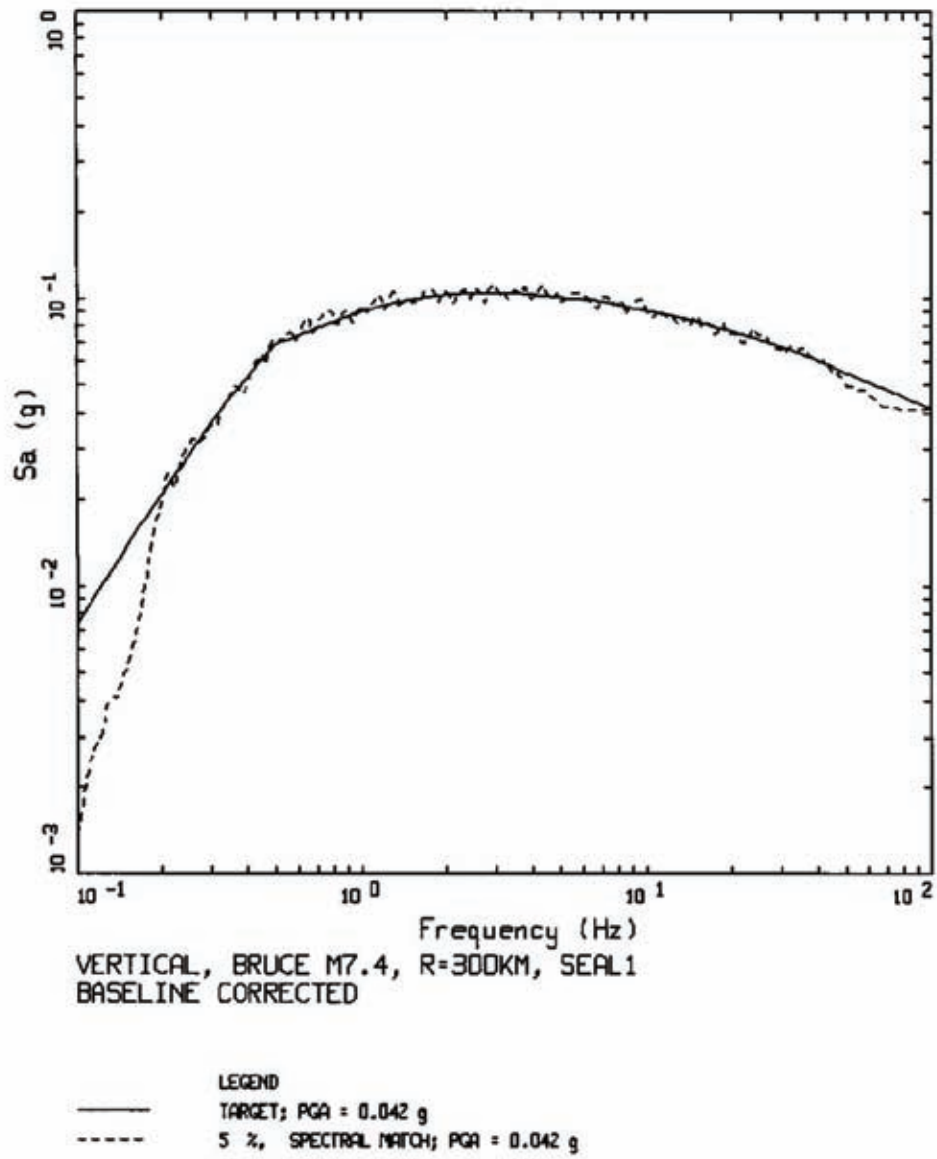
HORIZONTAL Z, BRUCE M7.4, R=300KM, SEAL1
SPECTRAL RATIO: MATCH/TARGET

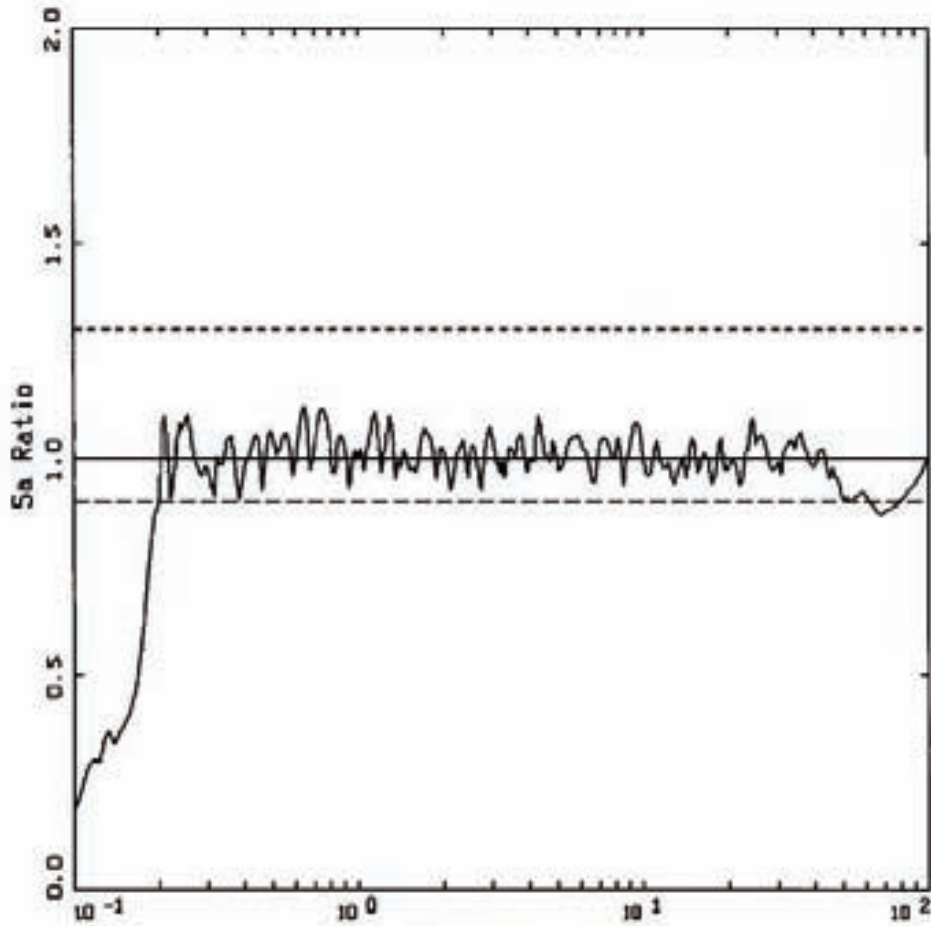
- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY * 1.3
 - - - UNITY / 1.311



1E-05, VERTICAL
BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEAL1



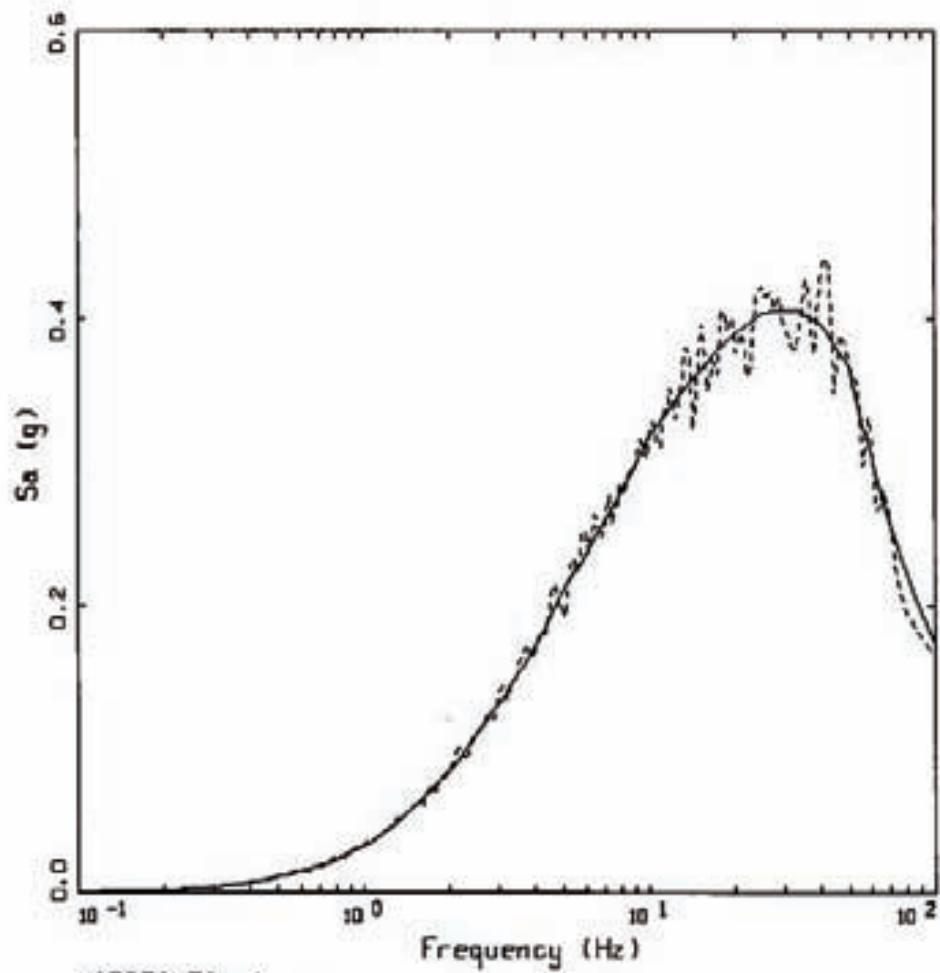




VERTICAL, BRUCE M7.4, R=300KM, SEAL1
SPECTRAL RATIO: MATCH/TARGET

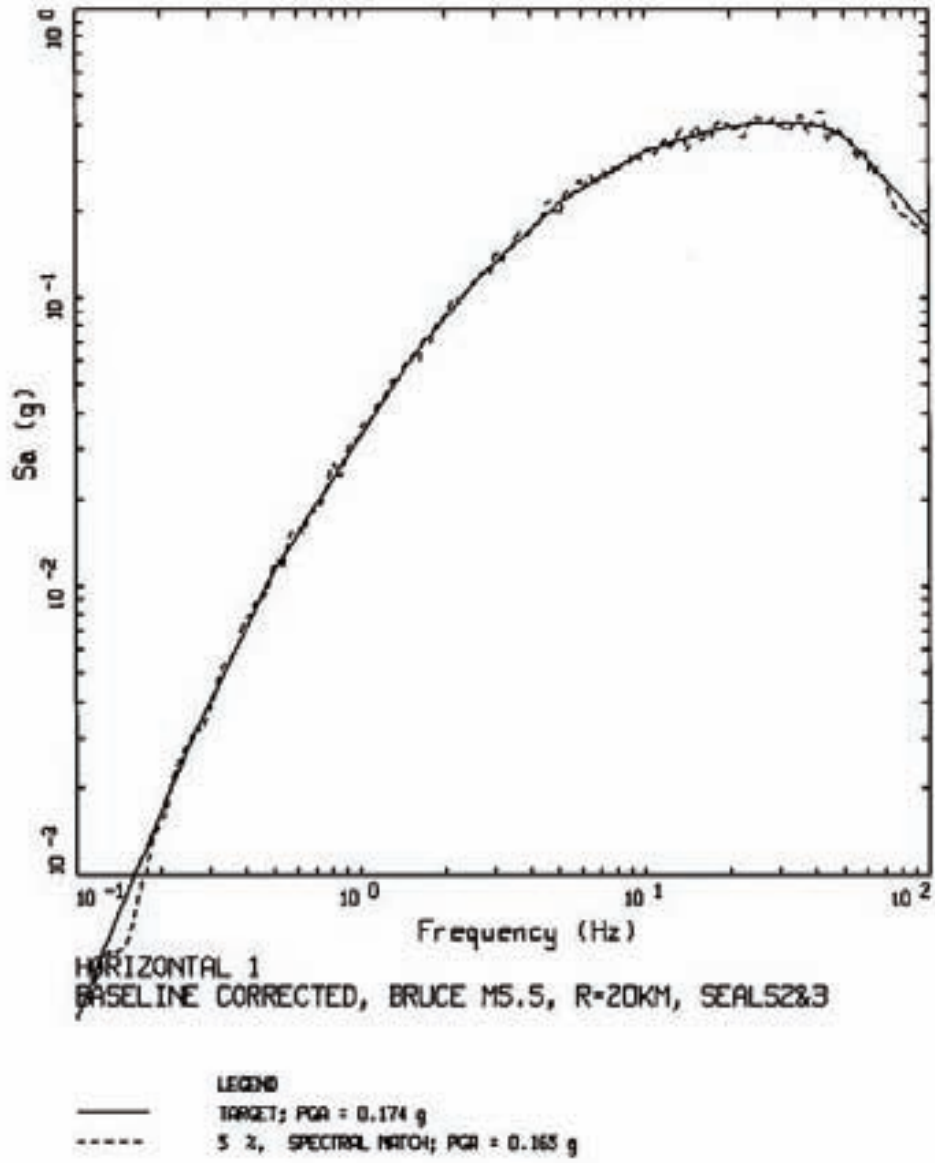
- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111

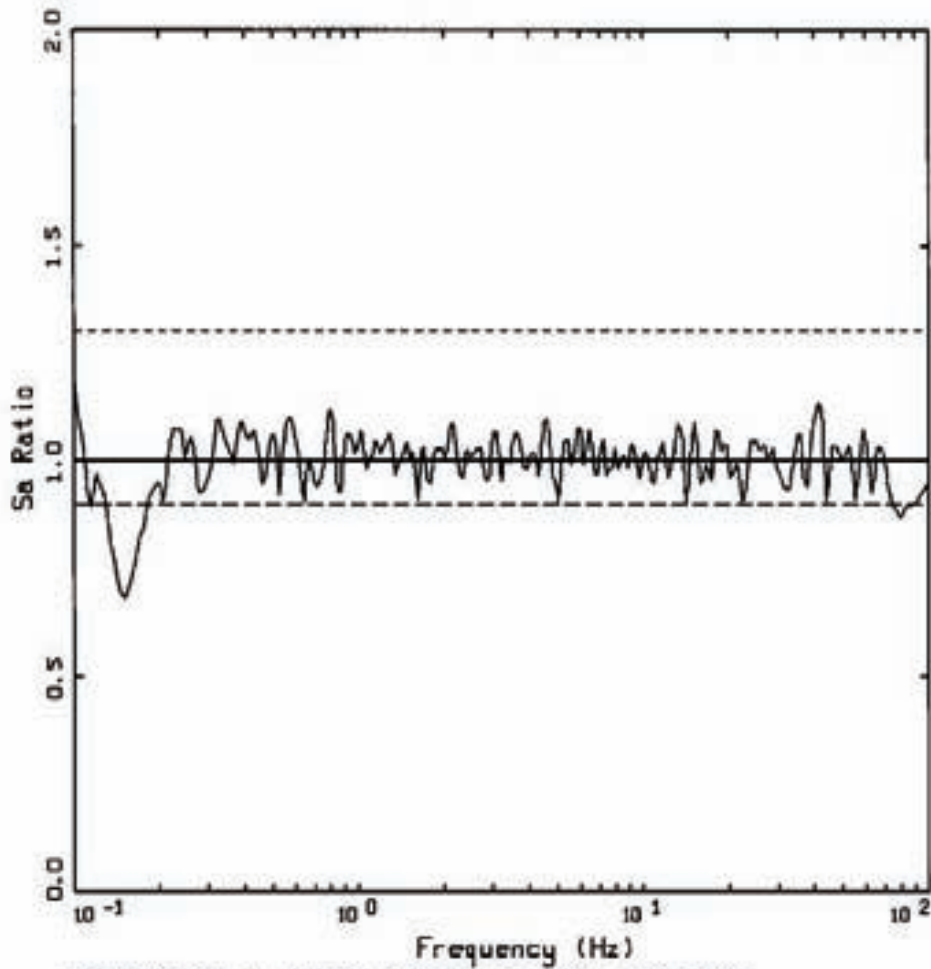
Figure B2. Acceleration, velocity, displacement time histories, spectral match (linear and log S_a axes), and ratios of target design spectrum to match spectrum, Horizontal (H1 and H2) and vertical components for all three design spectra: Seals 2 and 3, AEF 10^{-5} .



HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M5.5, R=20KM, SEALS2&3

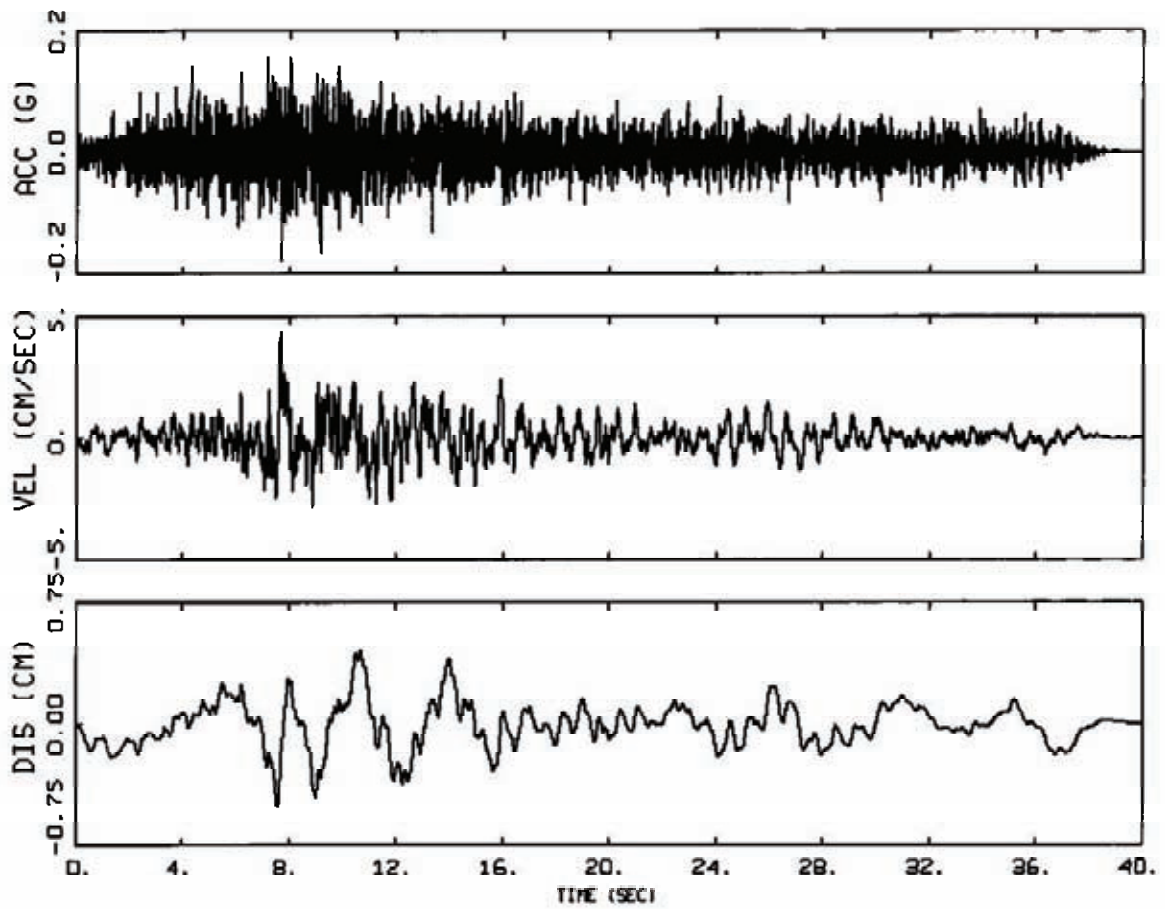
LEGEND
 ——— TARGET; PGA = 0.174 g
 - - - - - 5 % SPECTRAL RATIO; PGA = 0.165 g



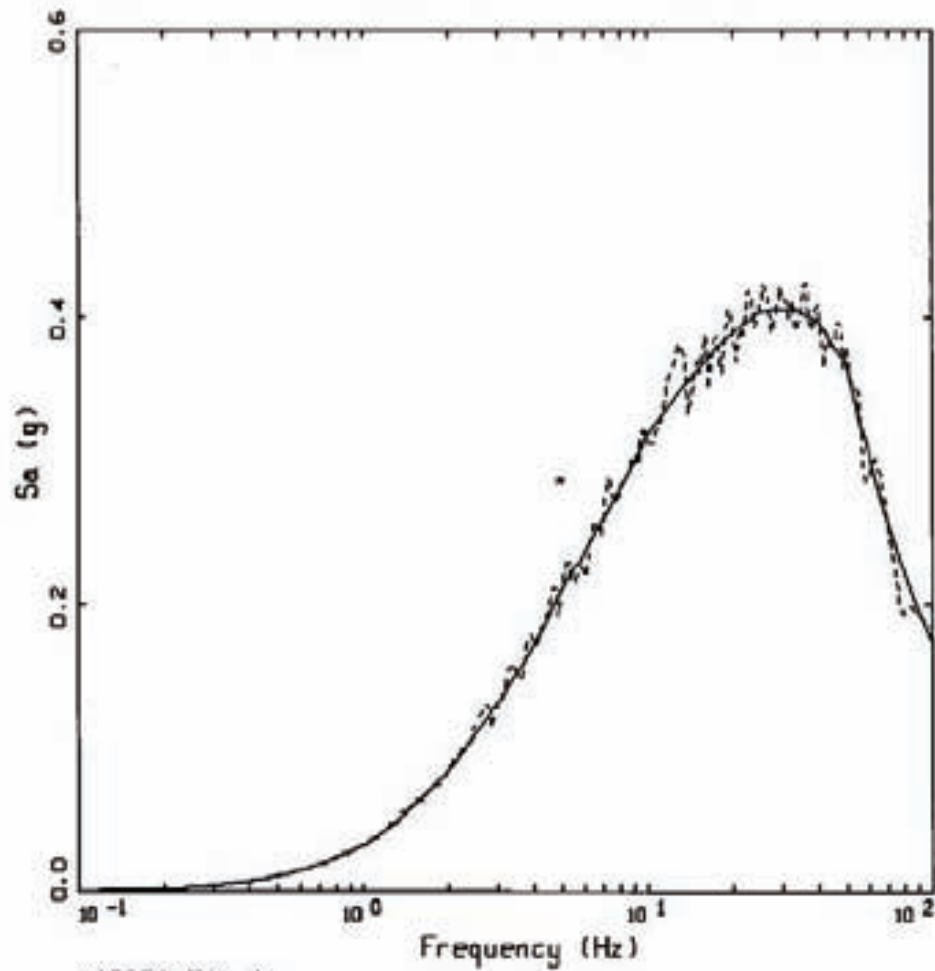


HORIZONTAL 1, BRUCE M=5.5, R=20KM, SEALS2&3
SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY * 1.3
 - - - UNITY / 1.111

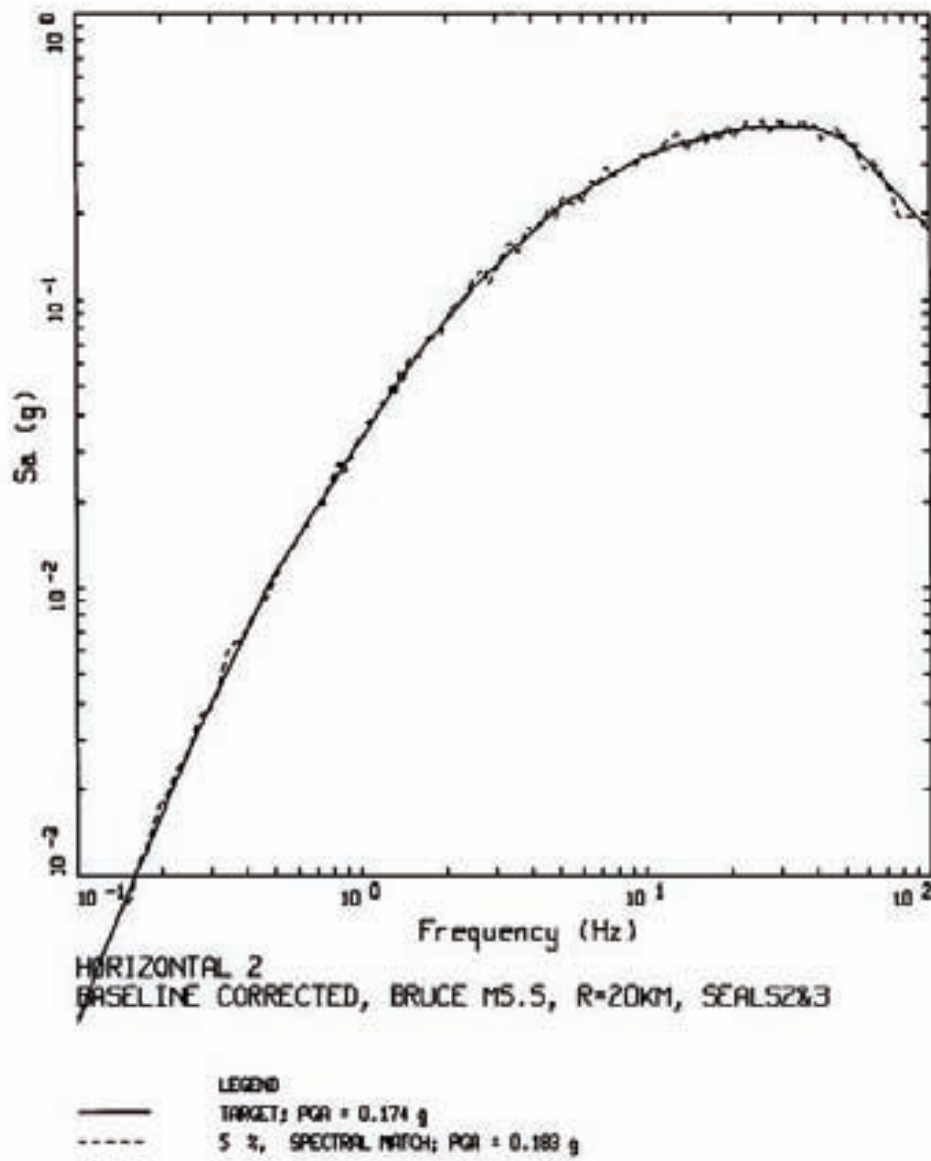


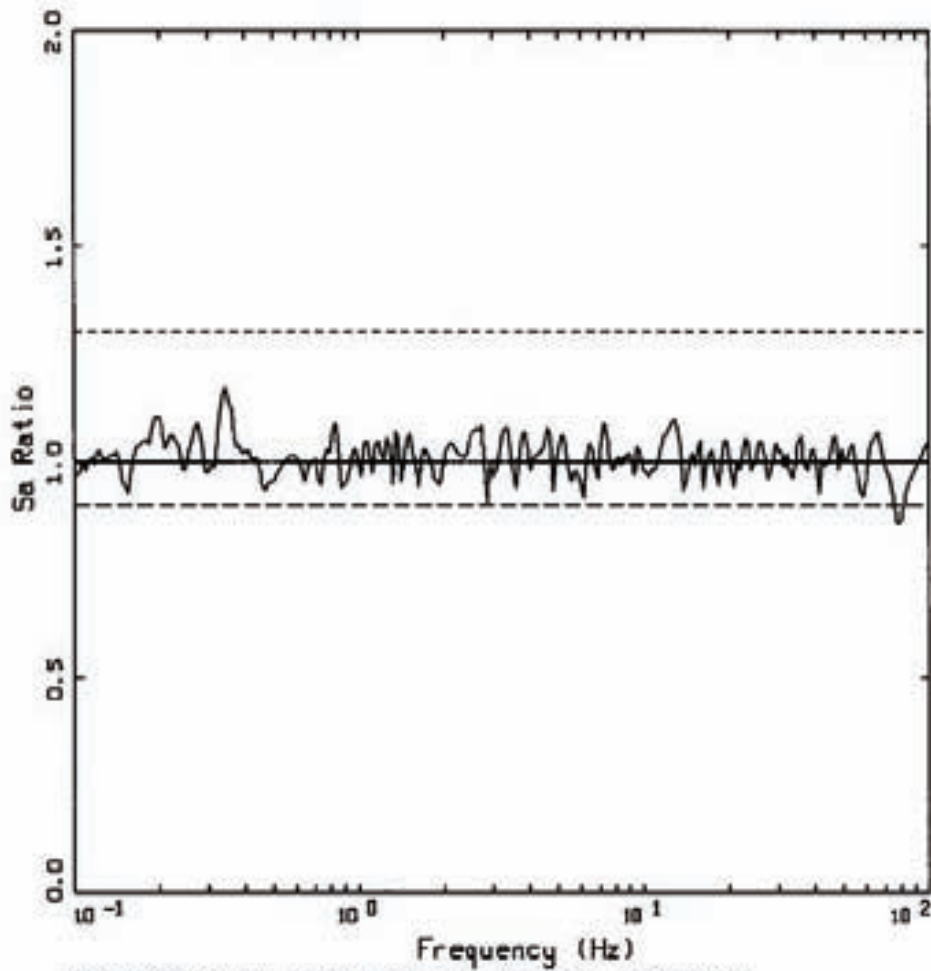
1E-05, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M5.5, R=20KM, SEAL5283



HORIZONTAL 2
 BASELINE CORRECTED, BRUCE MS.5, R=20KM, SEALS2&3

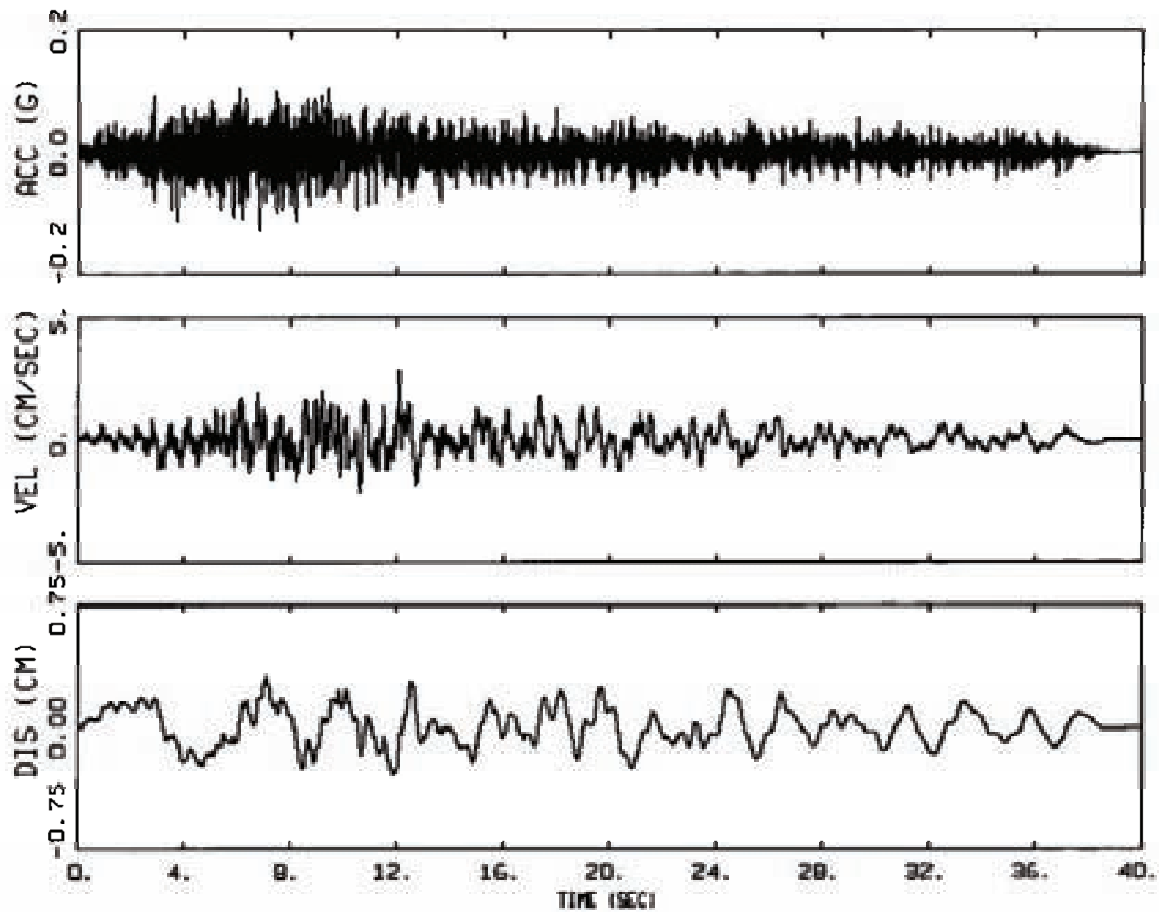
LEGEND
 ——— TARGET; PGA = 0.174 g
 - - - - 5 %, SPECTRAL MATCH; PGA = 0.183 g



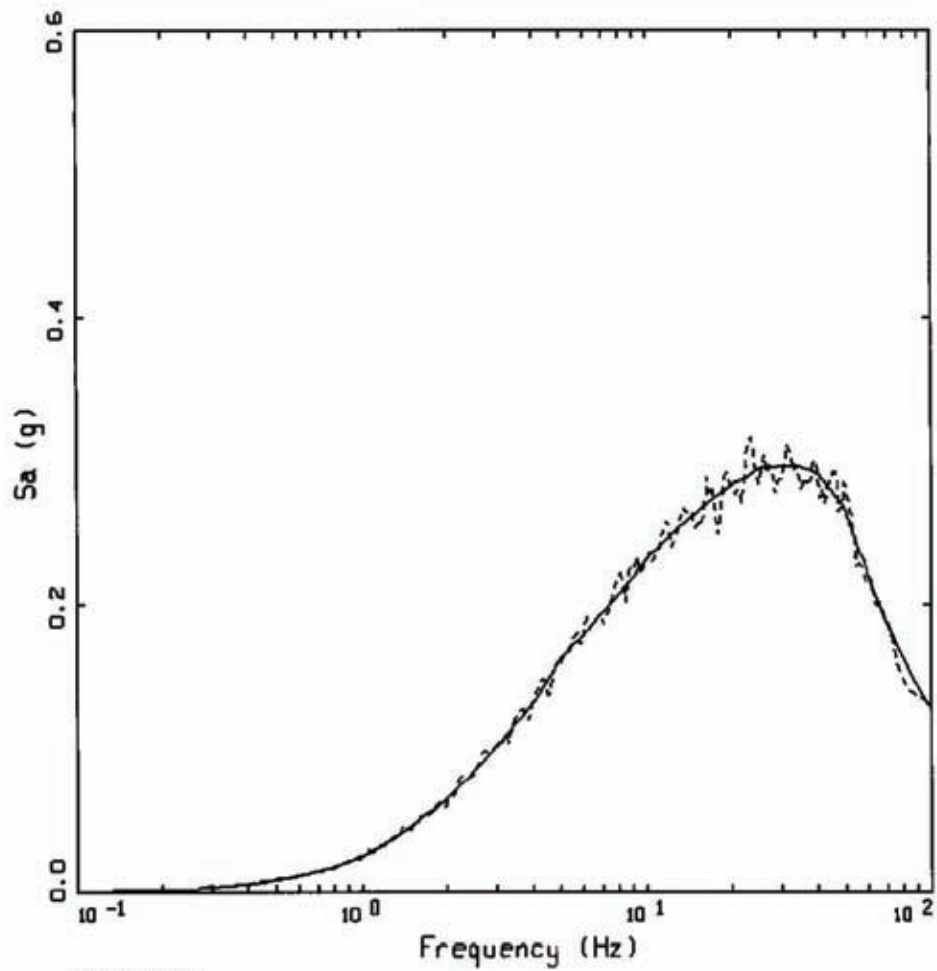


HORIZONTAL Z, BRUCE M=5.5, R=20KM, SEALS2&3
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY * 1.3
 - - - UNITY / 1.111

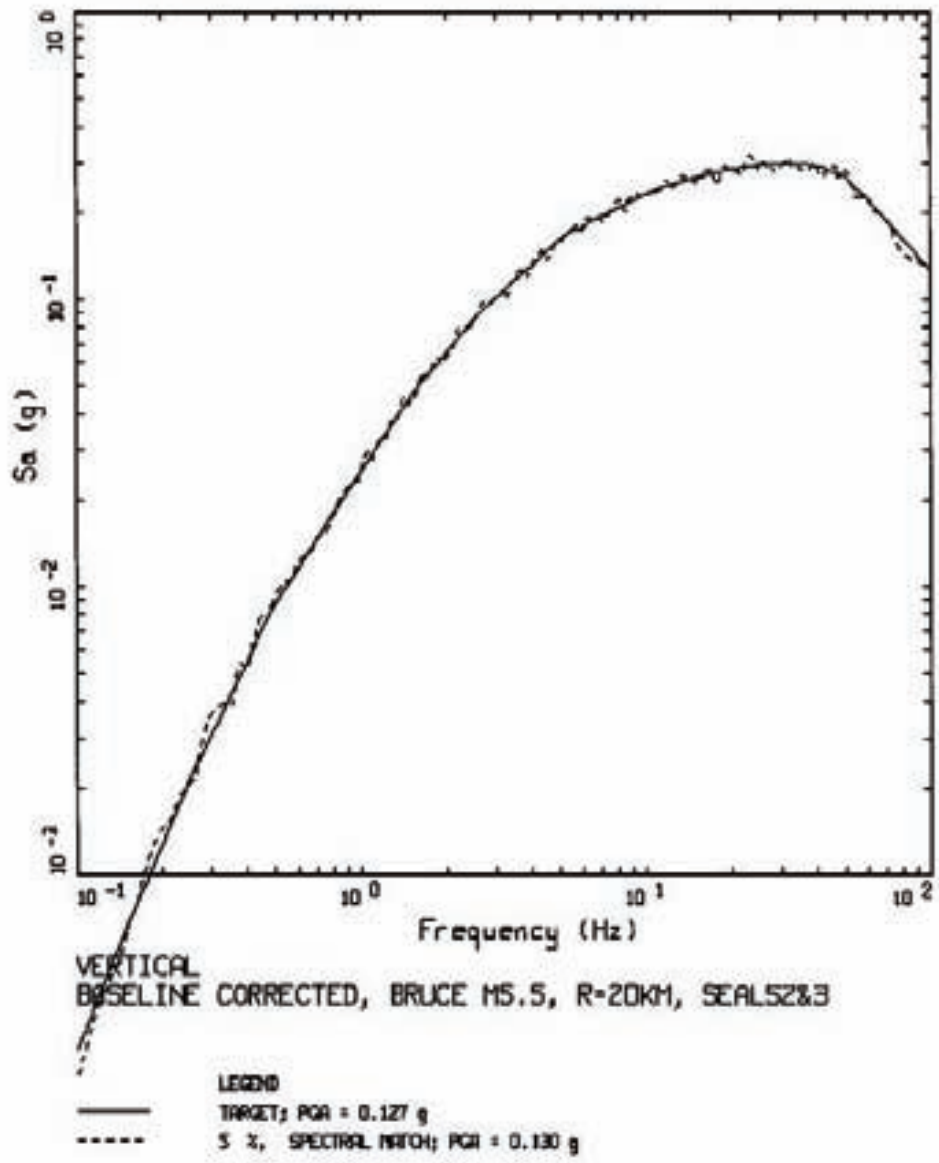


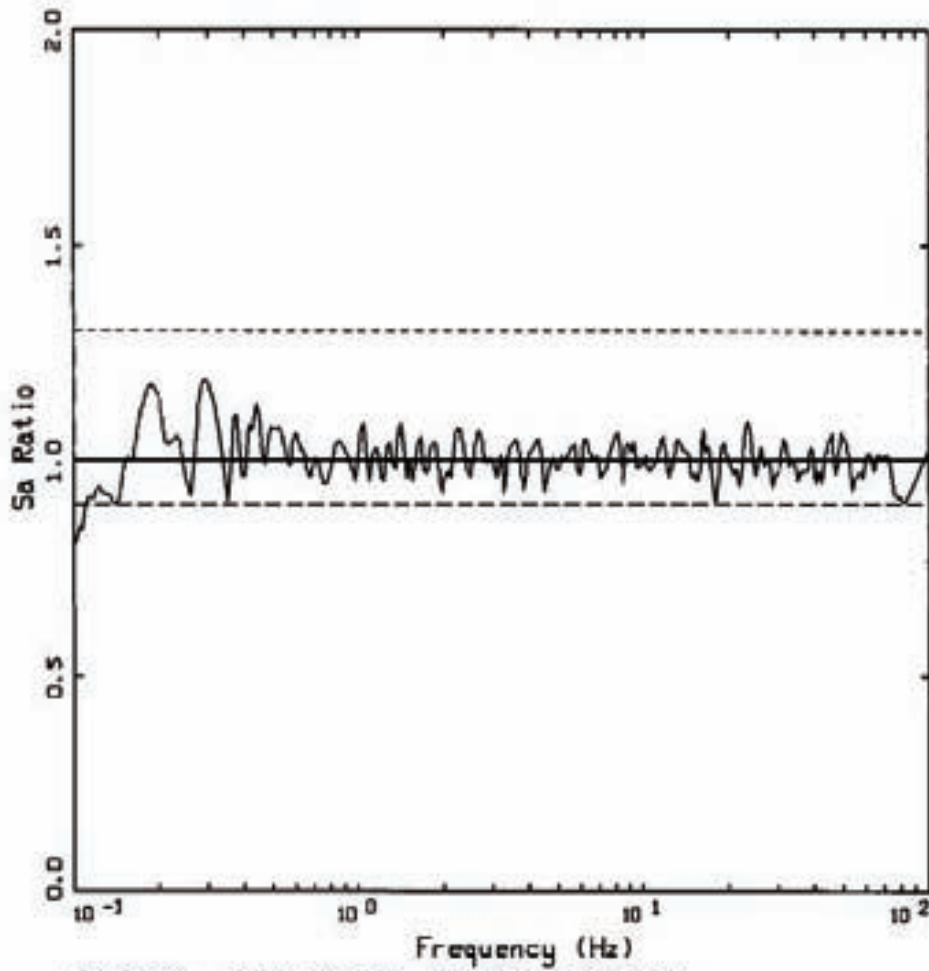
1E-05, VERTICAL
BASELINE CORRECTED, BRUCE MS.5, R=20KM, SEALS2&3



VERTICAL
BASELINE CORRECTED, BRUCE M5.5, R=20KM, SEALS2&3

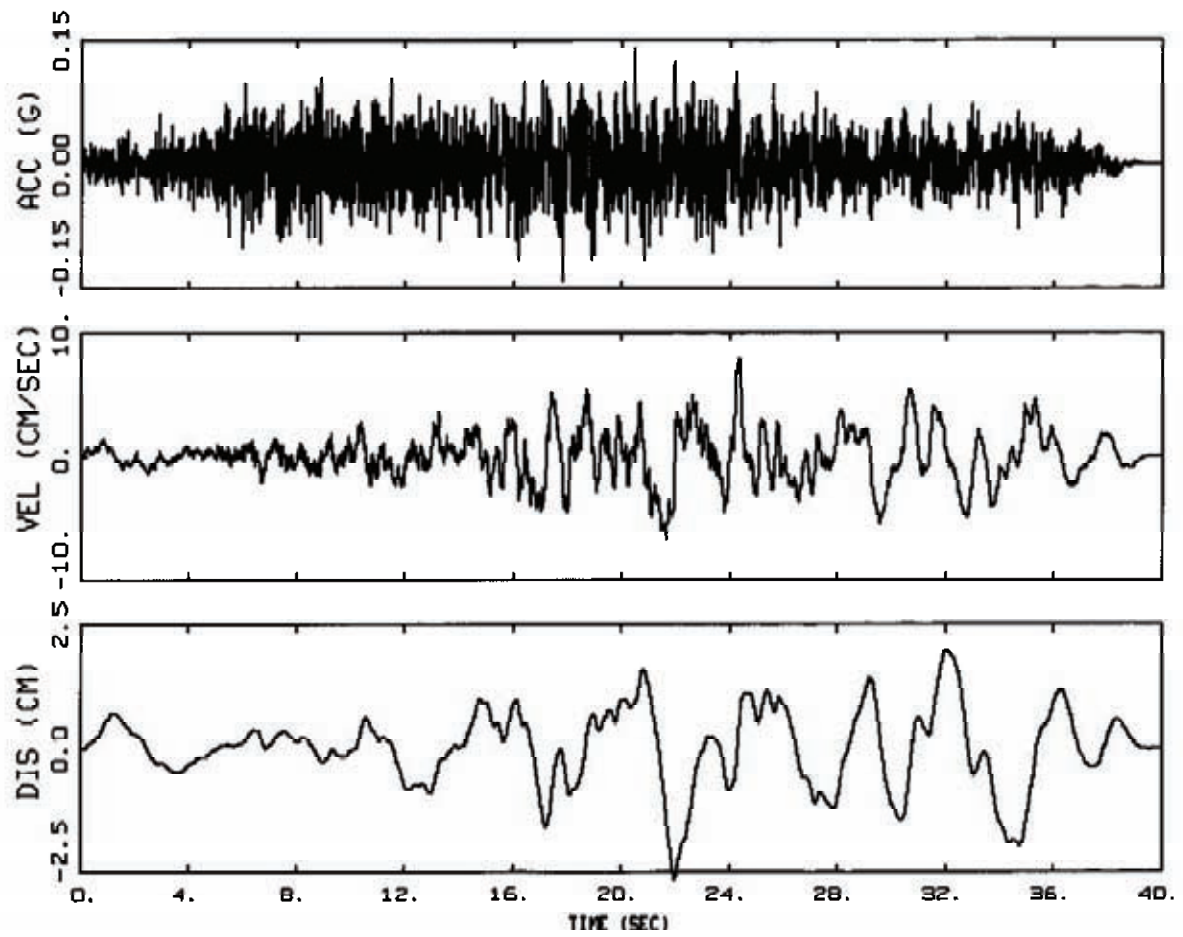
LEGEND
—— TARGET; PGA = 0.127 g
----- 5 %, SPECTRAL MATCH; PGA = 0.130 g



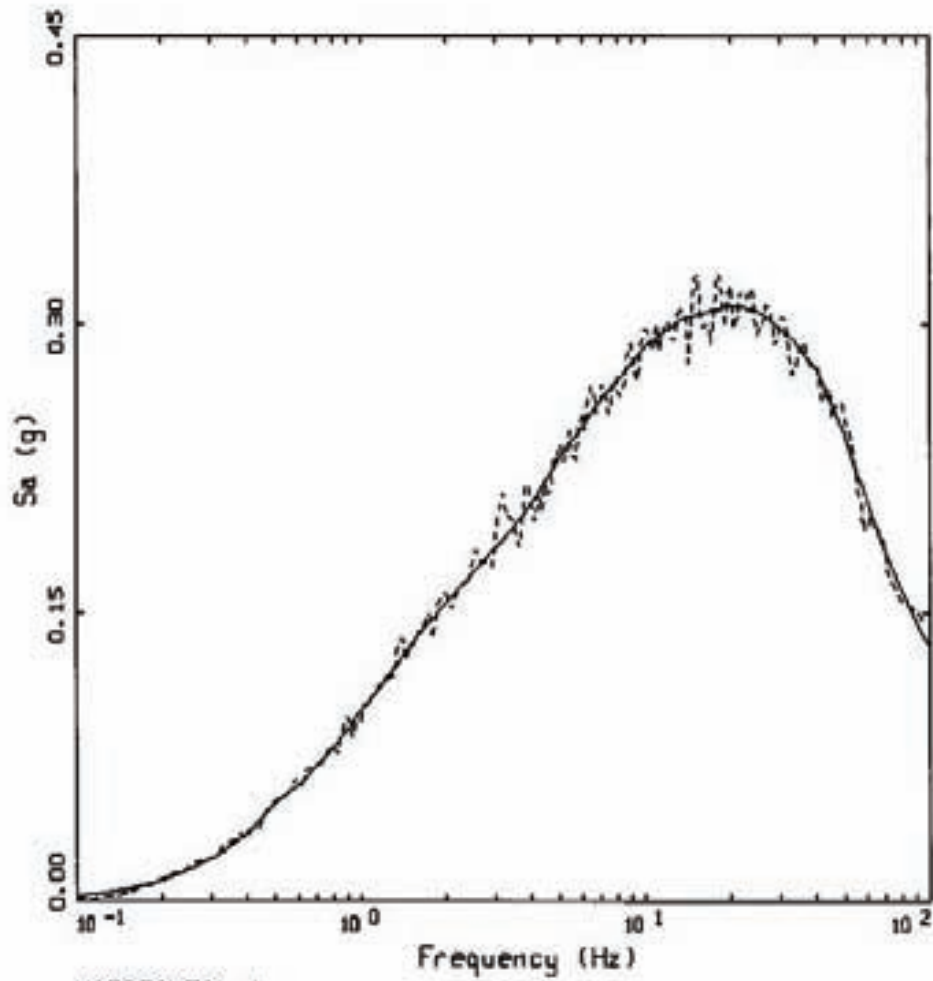


VERTICAL, BRUCE M=5.5, R=20KM, SEALS2&3
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY * 1.3
 - - - UNITY / 1.111

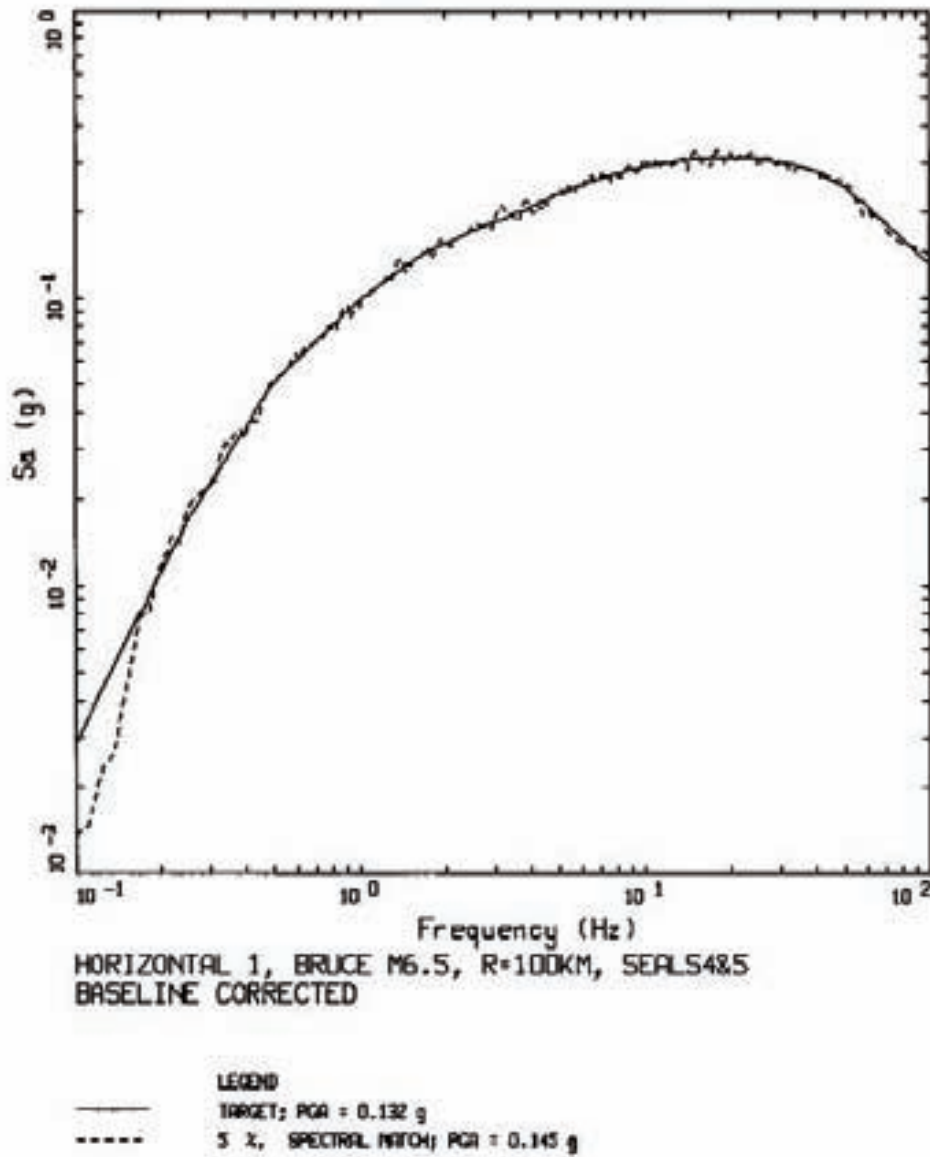


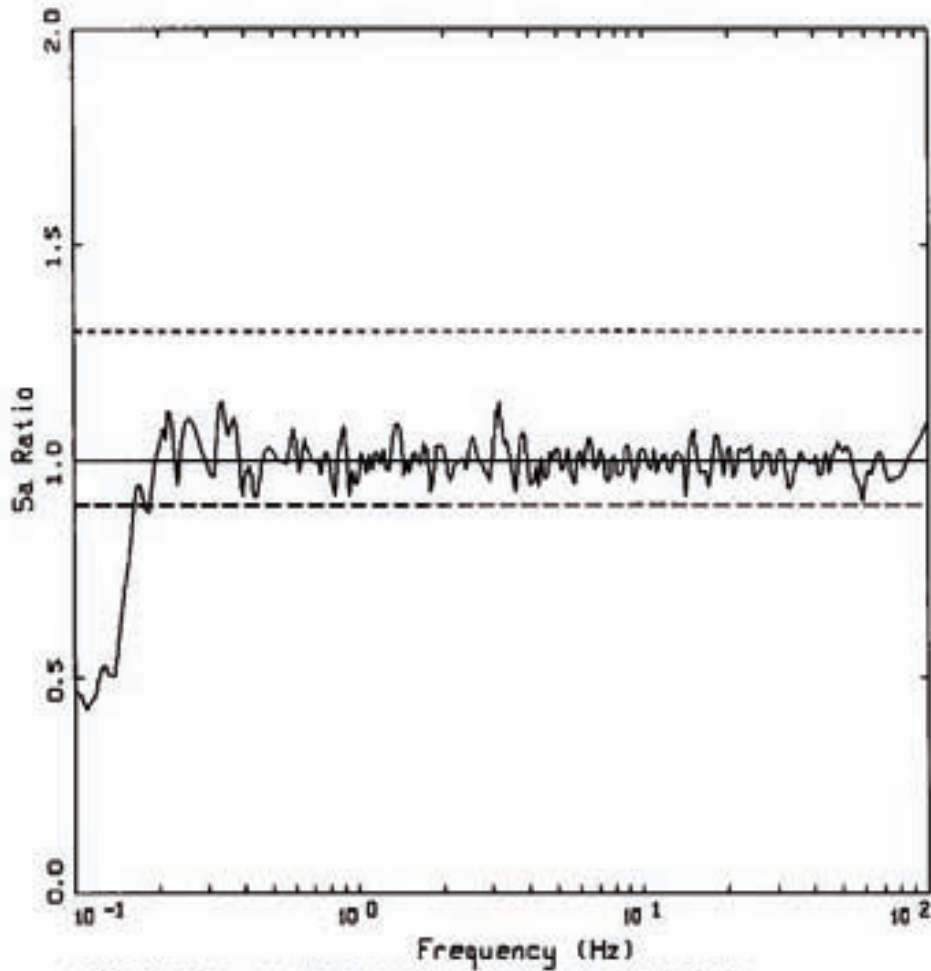
1E-05, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEALS2&3



HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEALS2&3

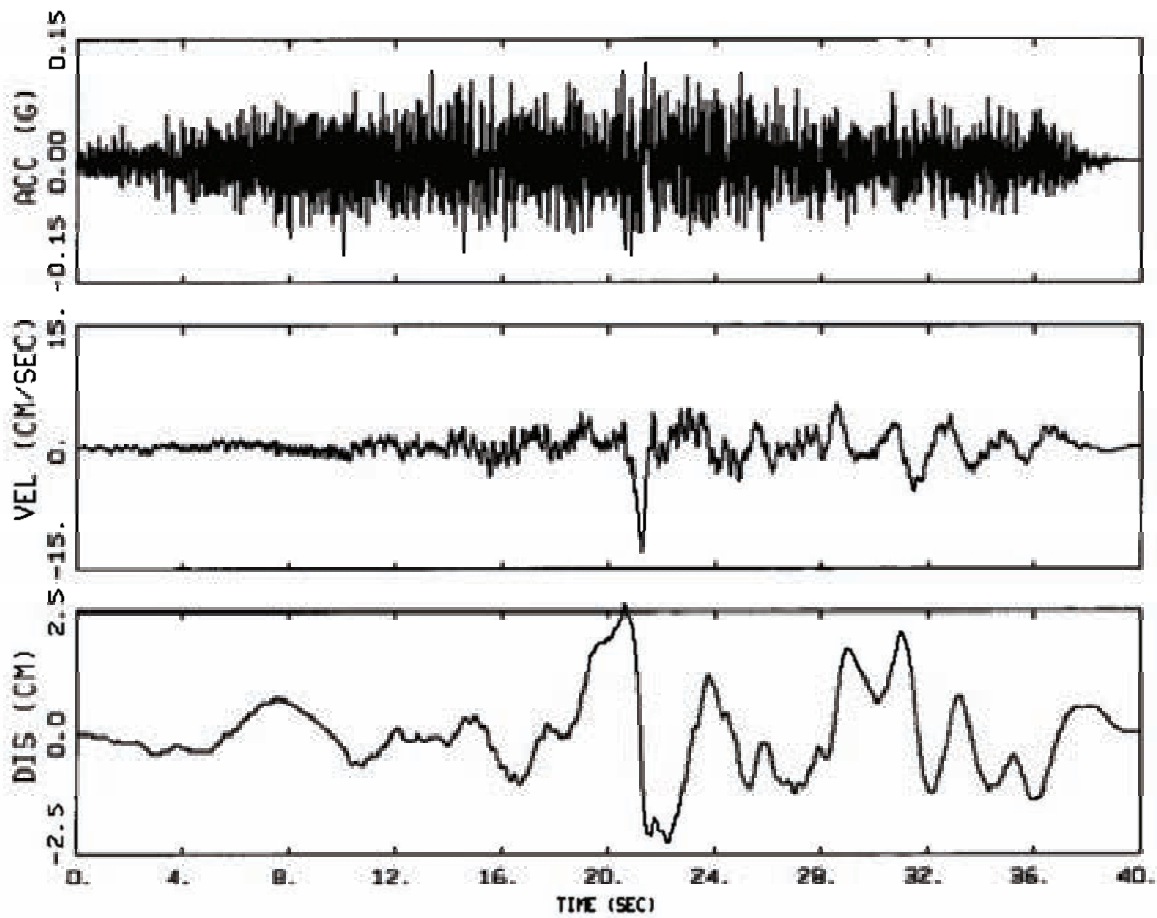
LEGEND
 ——— TARGET; PGA = 0.132 g
 - - - - - 5 % SPECTRAL WIDTH; PGA = 0.145 g



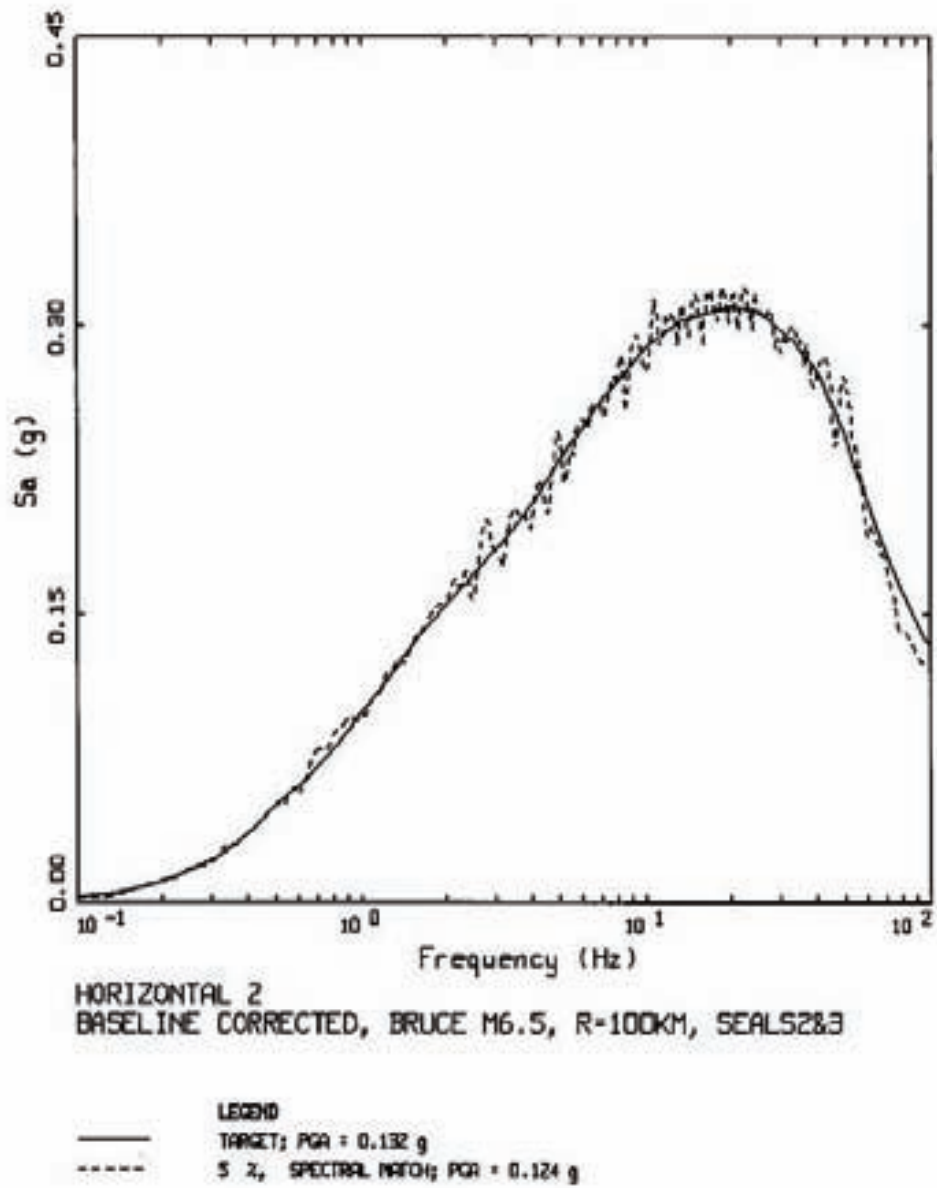


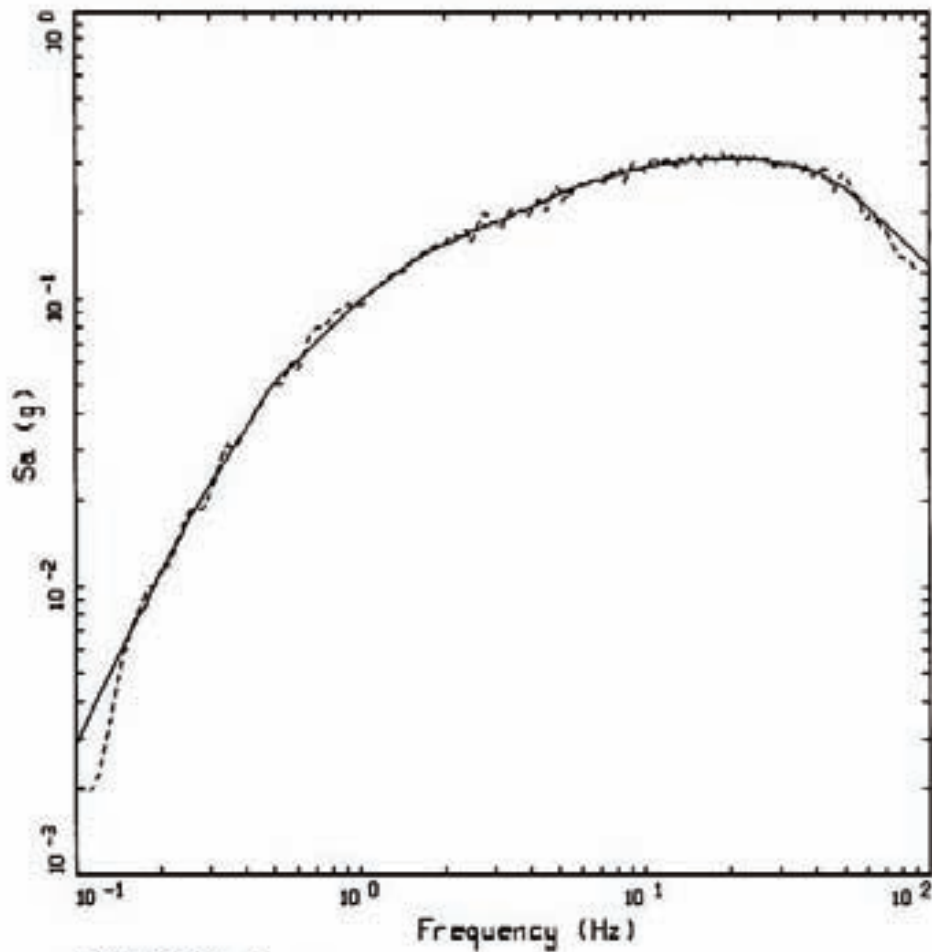
HORIZONTAL 1, BRUCE M6.5, R=100KM, SEALS2&3
SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - .-.- UNITY / 1.111



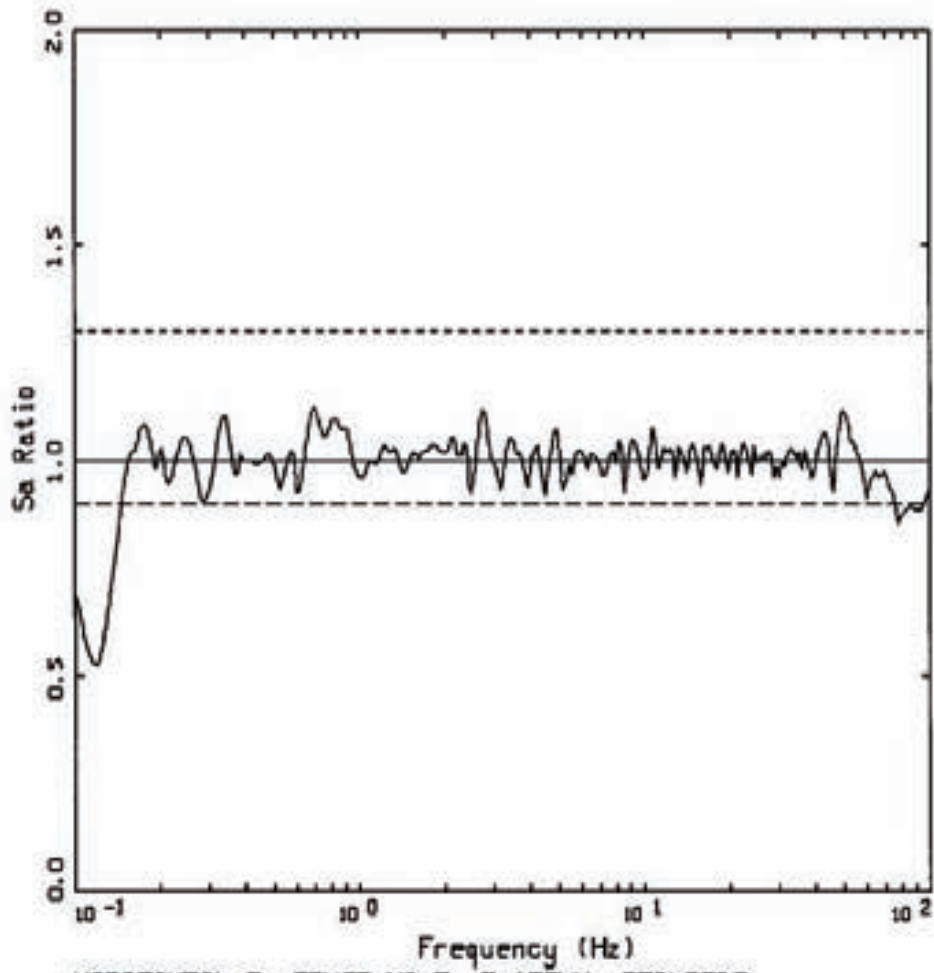
1E-05, HORIZONTAL Z
BASELINE CORRECTED, BRUCE M6.5, R-100KM, SEALS283





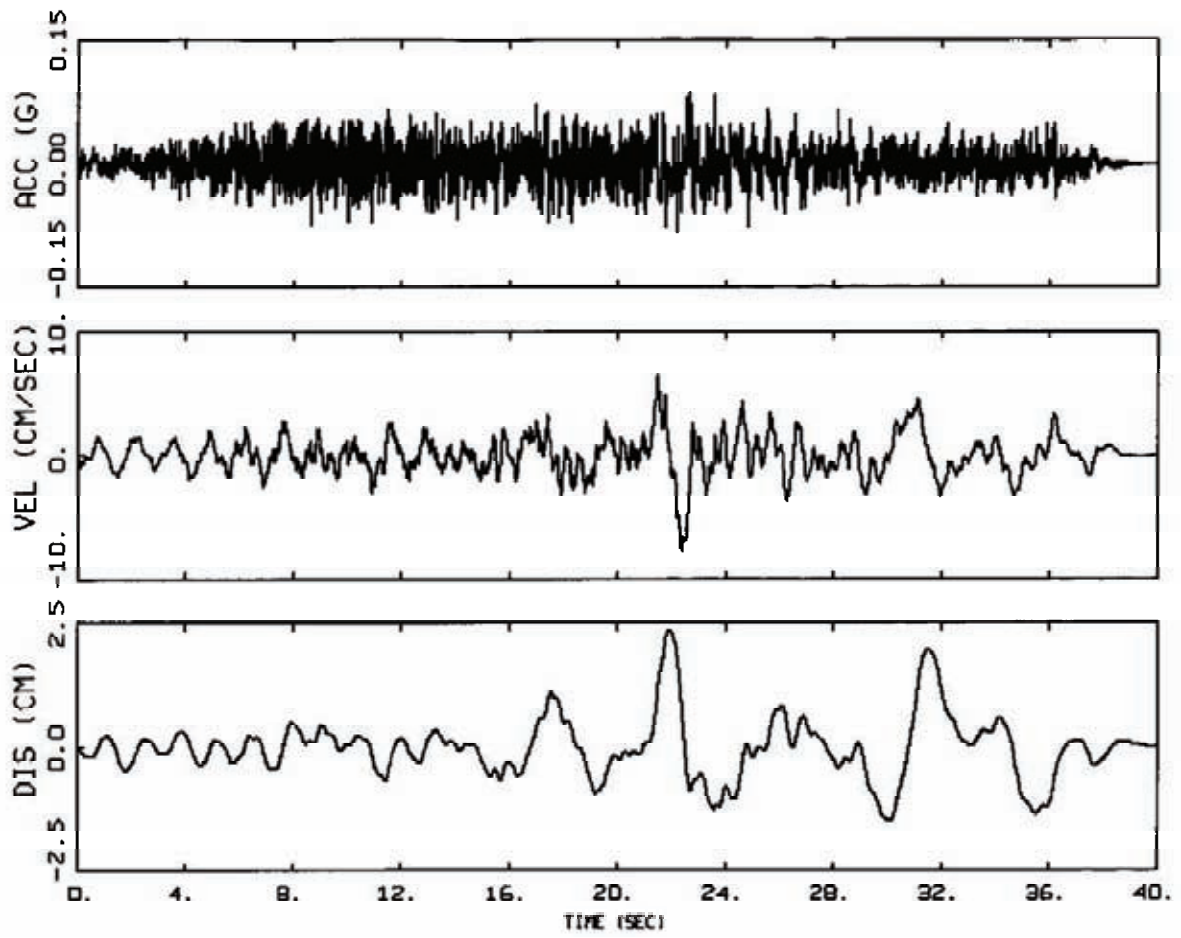
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEAL52&3

LEGEND
 ——— TARGET; PGA = 0.132 g
 - - - - 5 %, SPECTRAL WIDTH; PGA = 0.124 g

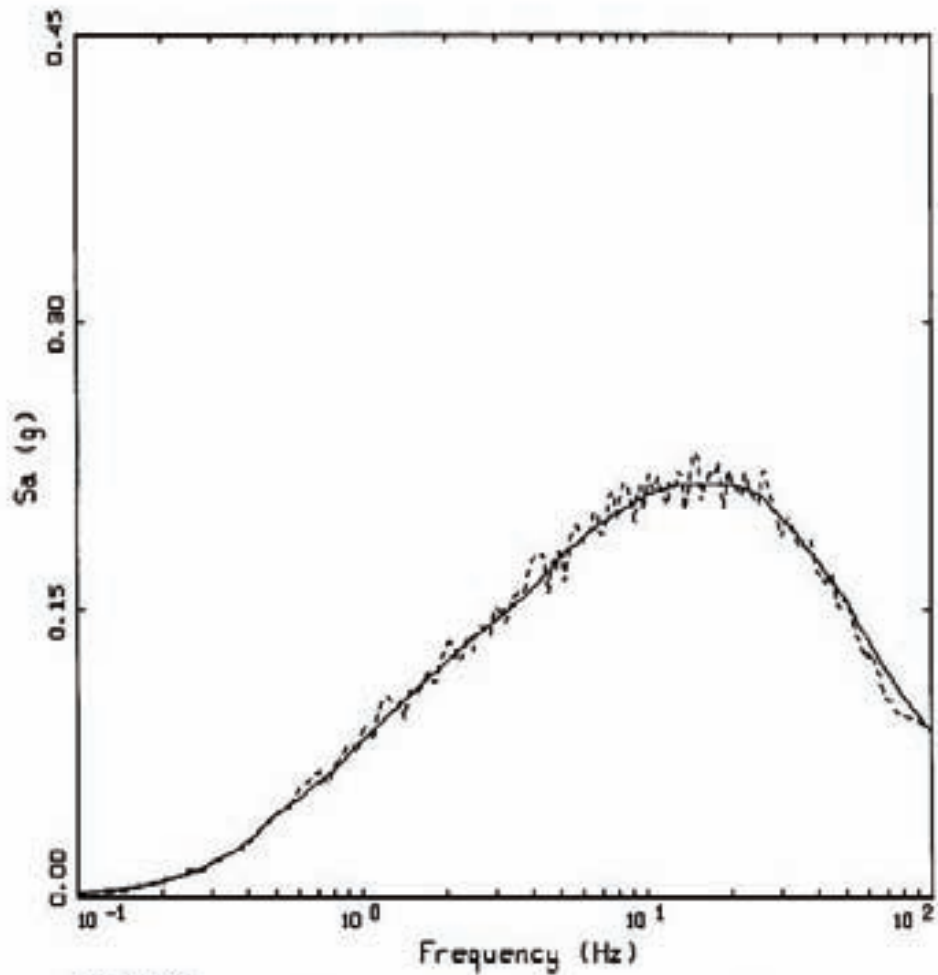


HORIZONTAL Z, BRUCE M6.5, R=100KM, SEALS2&3
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111

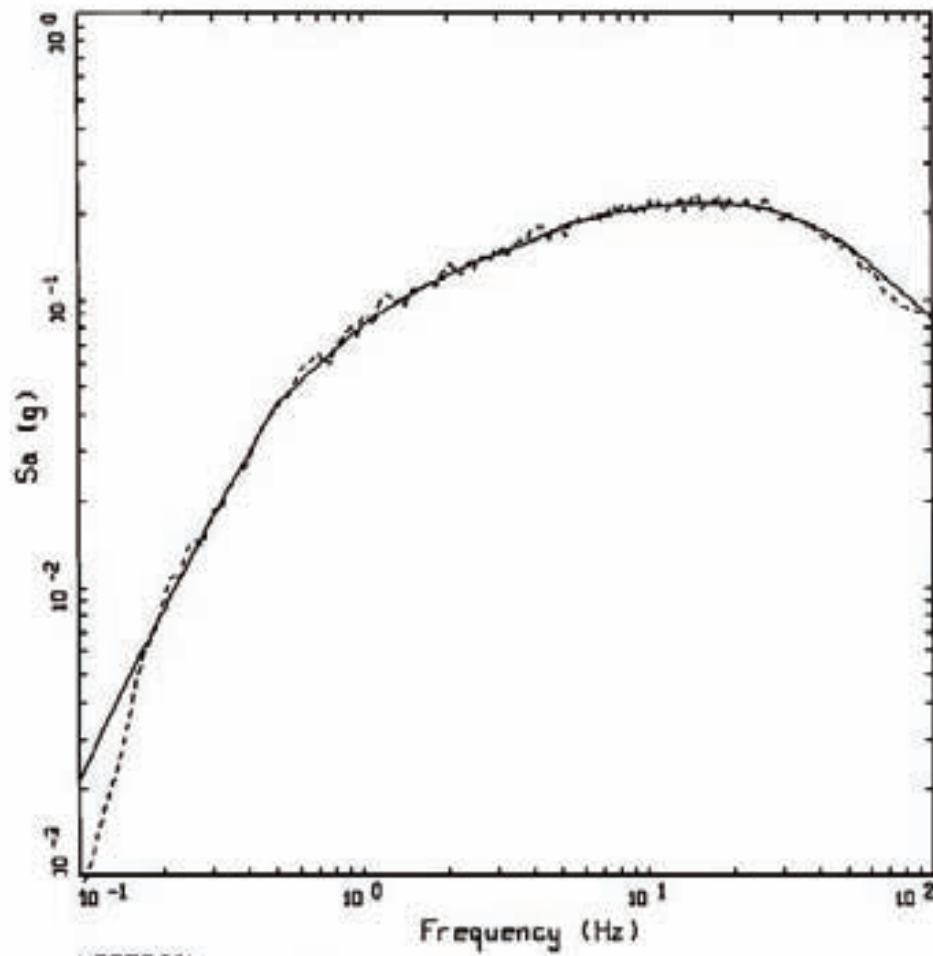


1E-05, VERTICAL
BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEALSZ&3



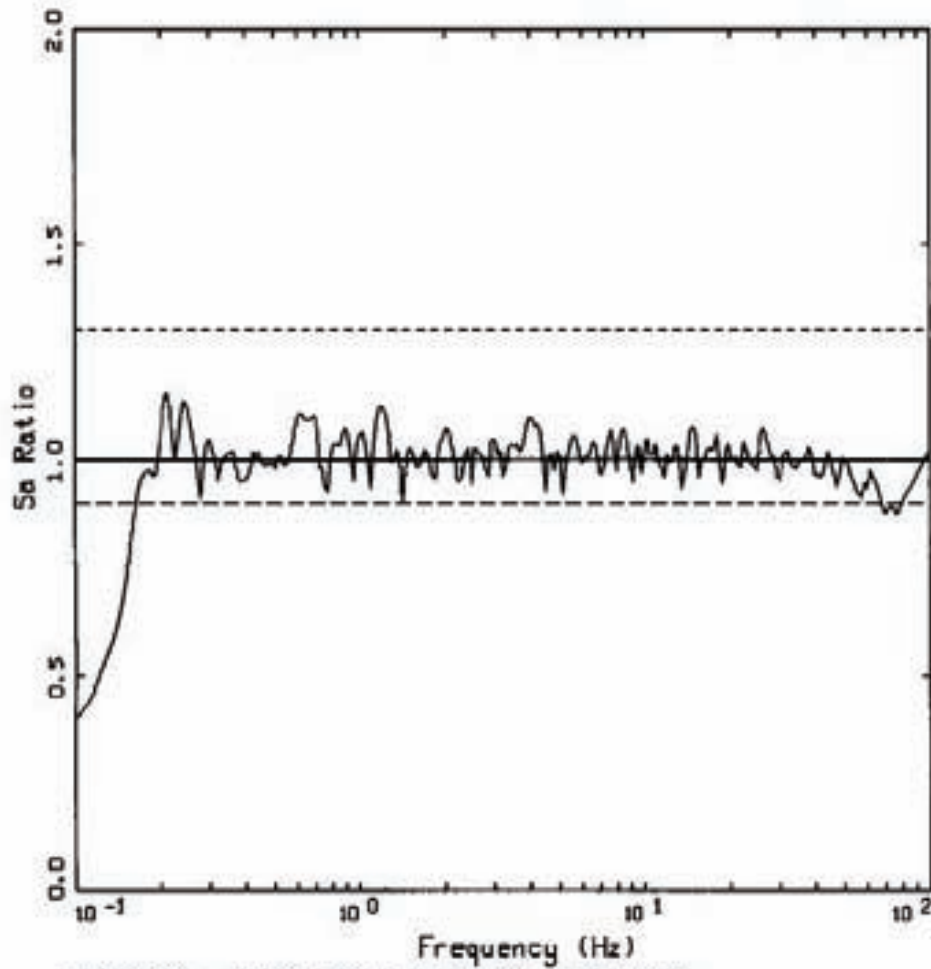
VERTICAL
BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEALS2&3

LEGEND
 ——— TARGET: PGA = 0.086 g
 - - - - 5 %, SPECTRAL NOTCH: PGA = 0.088 g



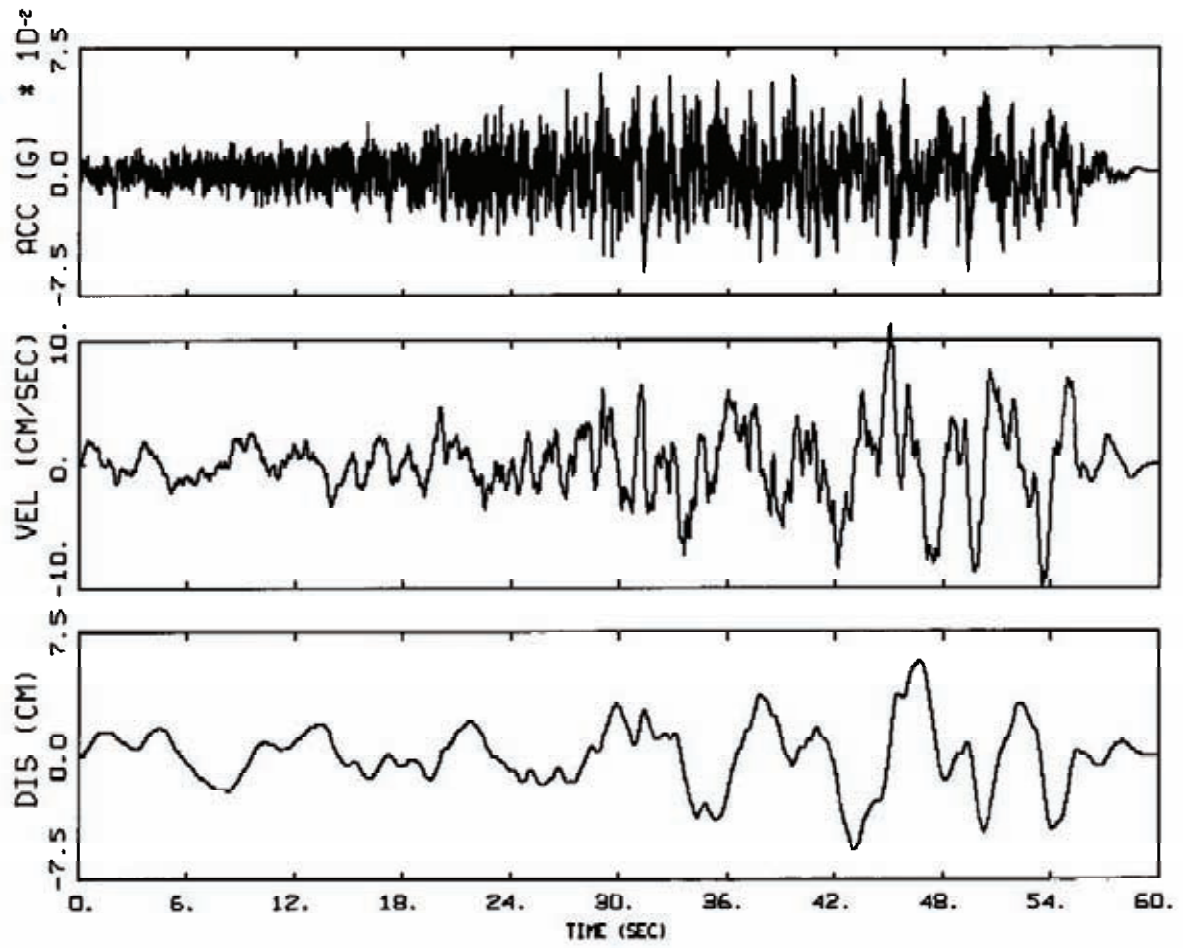
VERTICAL
BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEALS2&3

LEGEND
—— TARGET; PGA = 0.086 g
----- S 2, SPECTRAL MATCH; PGA = 0.086 g

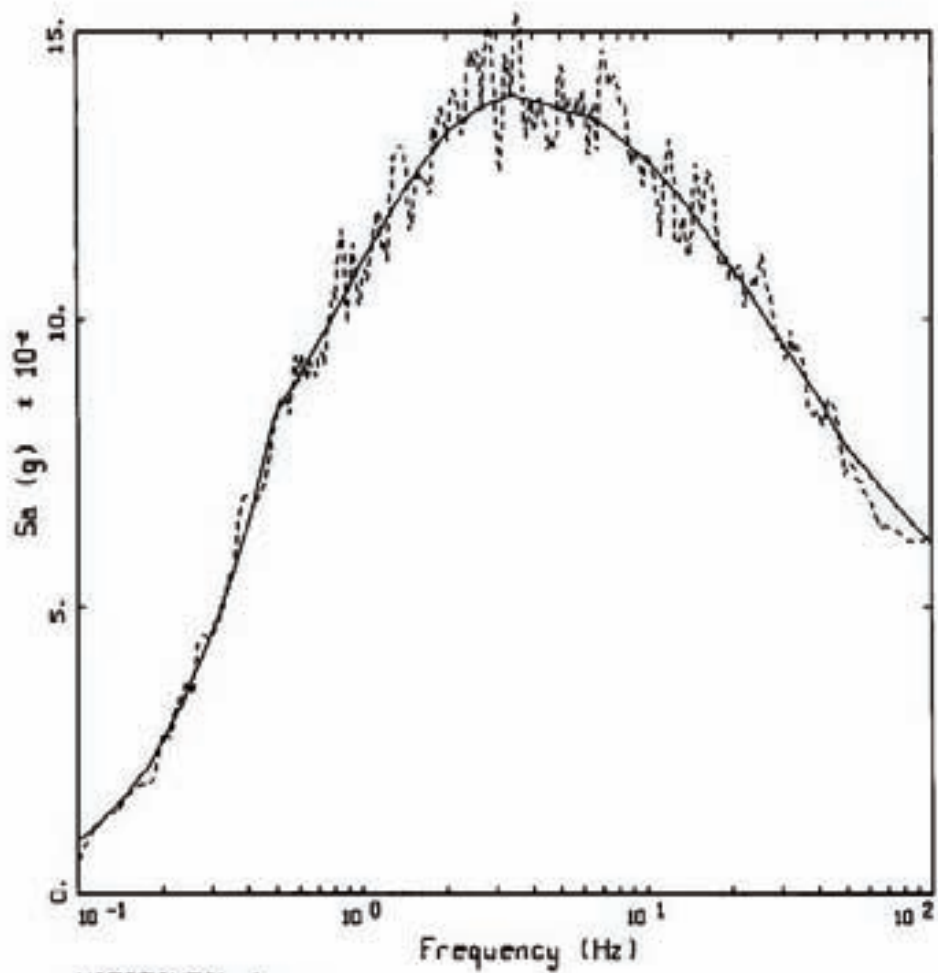


VERTICAL, BRUCE M6.5, R=100KM, SEALS283
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SR RATIO: MATCH/TARGET
 - UNITY
 - - - - UNITY * 1.3
 - - - - UNITY / 1.131

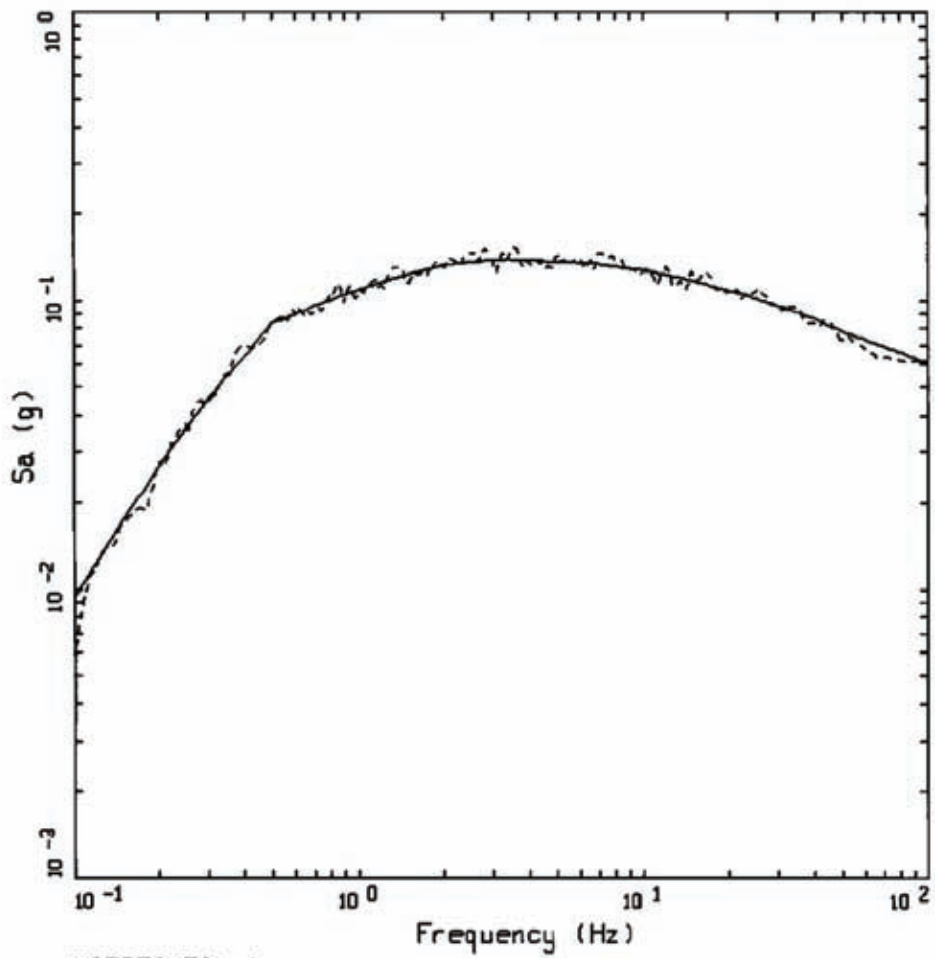


1E-05, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEALS2&3



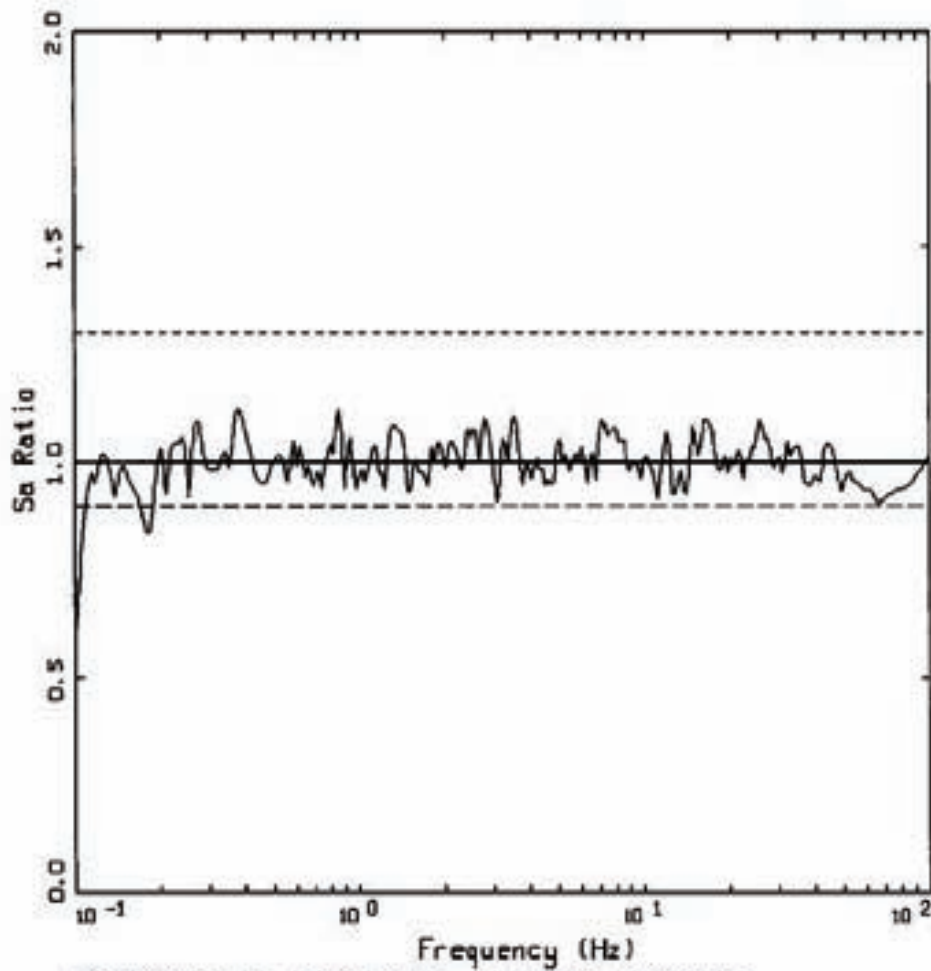
HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEALS2&3

LEGEND
 ——— TARGET; PGA = 0.061 g
 - - - - - S x, SPECTRAL MATCH; PGA = 0.062 g



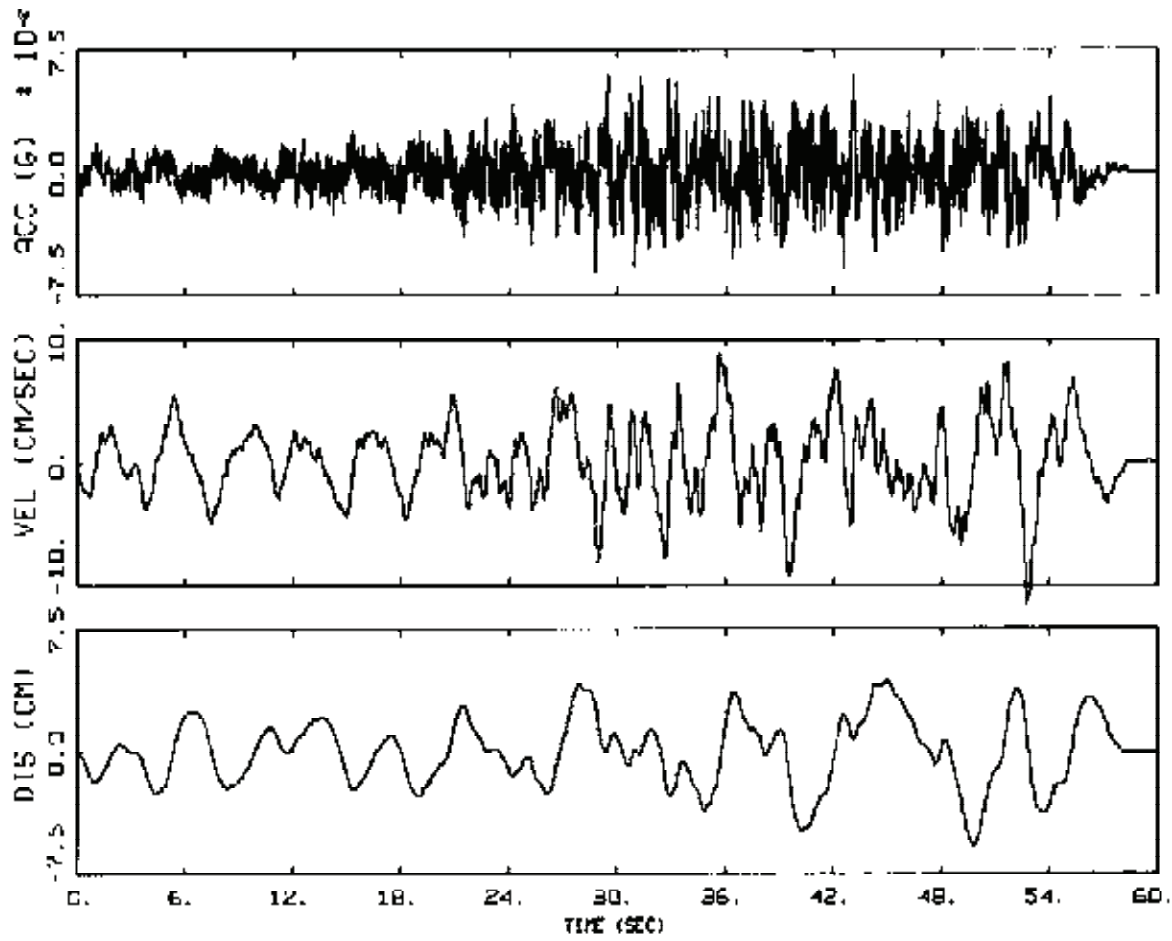
HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEALS2&3

LEGEND
 ——— TARGET; PGA = 0.061 g
 - - - - 5 %, SPECTRAL MATCH; PGA = 0.062 g

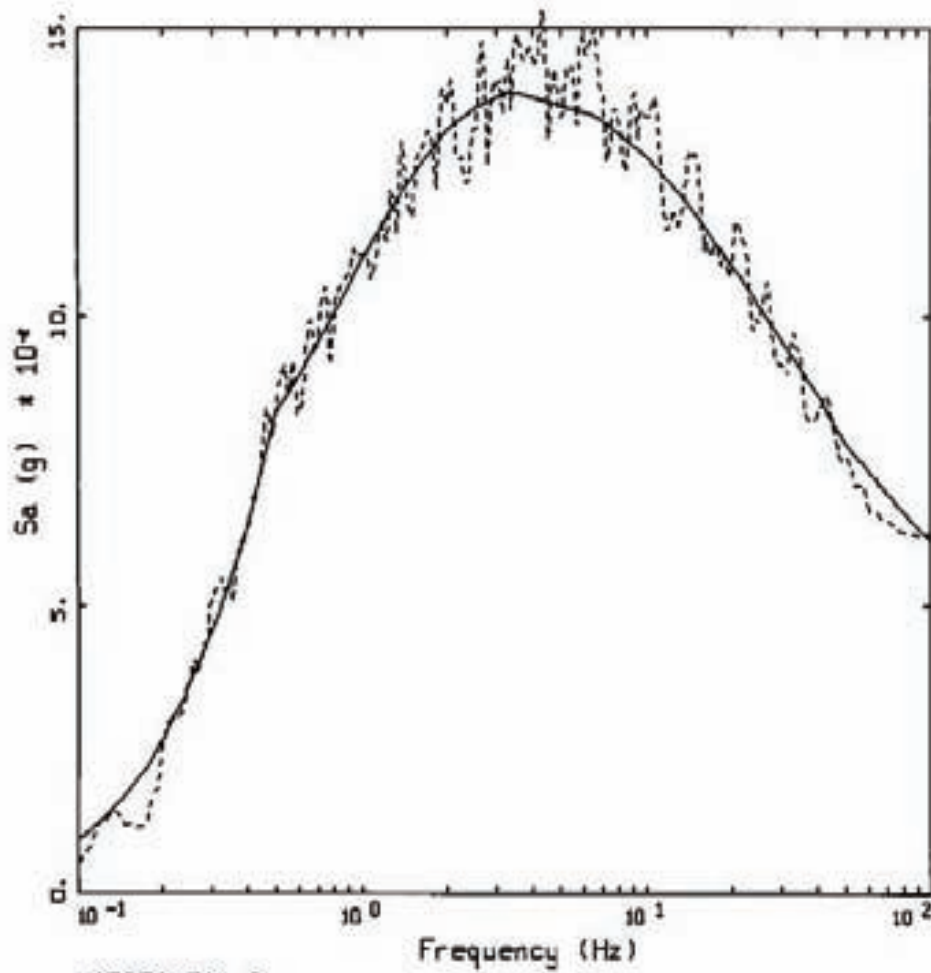


HORIZONTAL 1, BRUCE M7.4, R=300KM, SEALS2&3
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY * 1.3
 - - - UNITY / 1.111

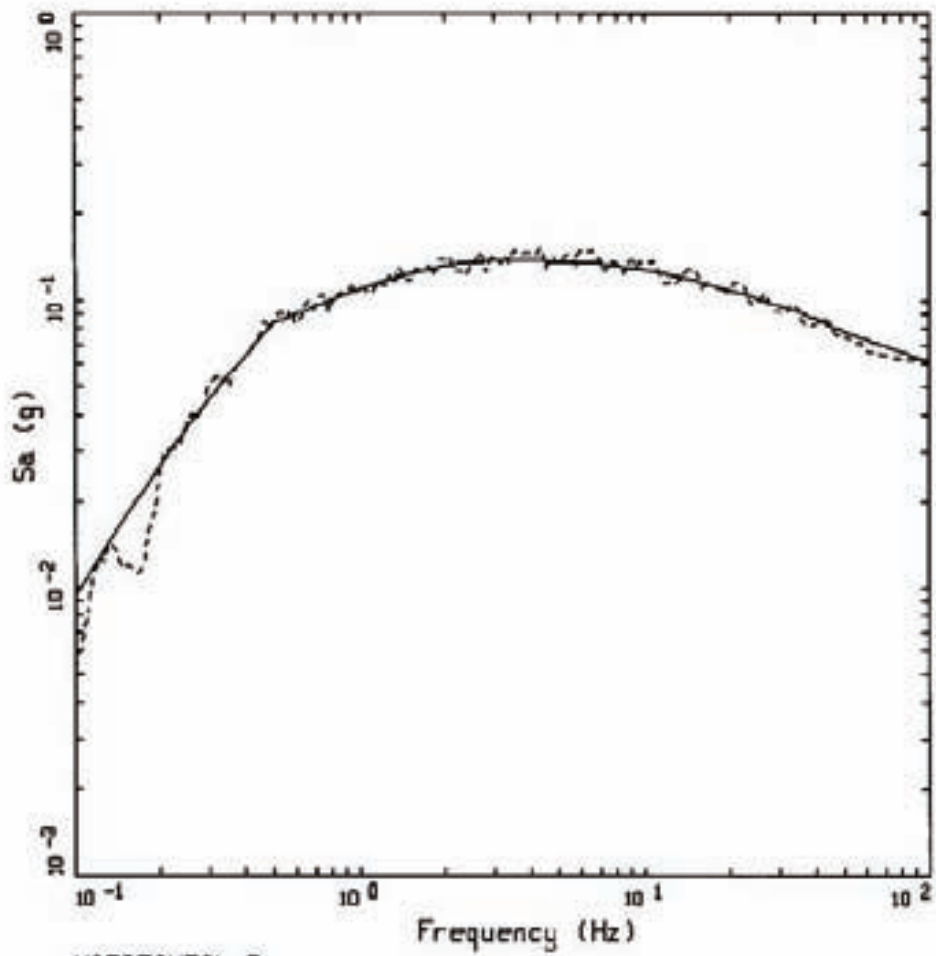


1E-05, HORIZONTAL Z
BASELINE CORRECTED, BRUCE N7.4, R=300KM, SEALS2&3



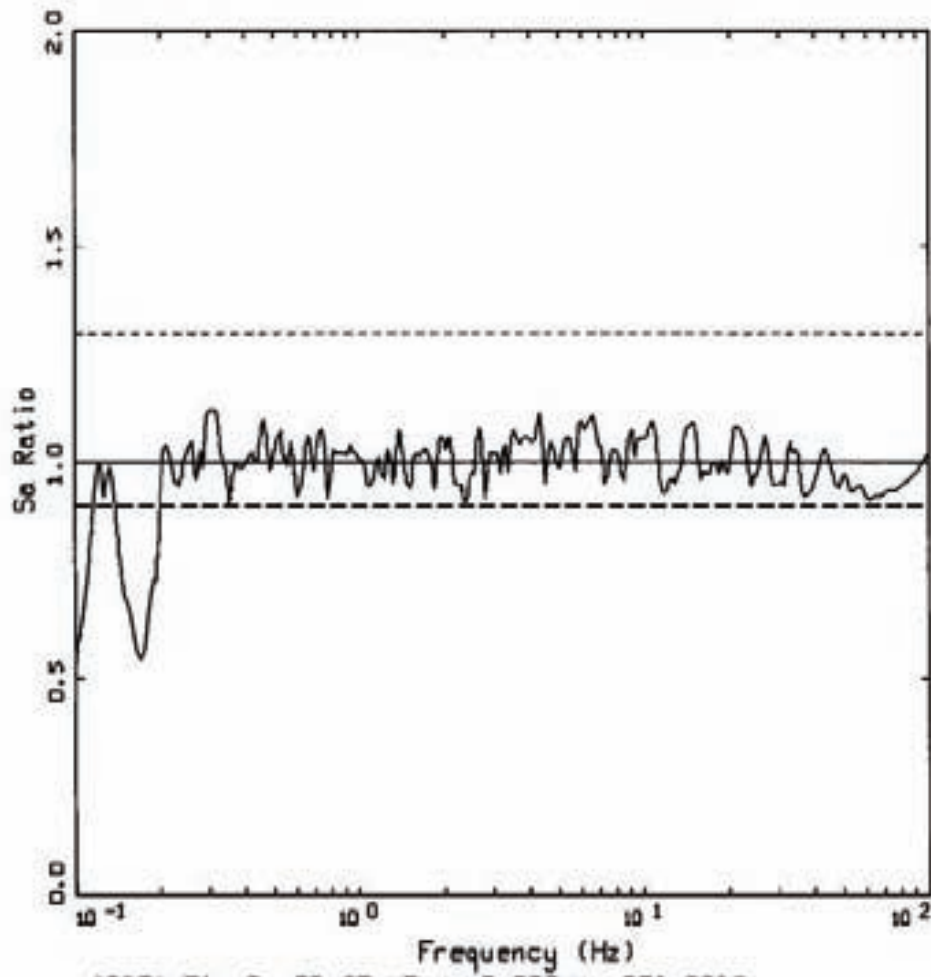
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEALS2&3

LEGEND
 ——— TARGET; PGA = 0.061 g
 - - - - S 2, SPECTRAL MATCH; PGA = 0.062 g



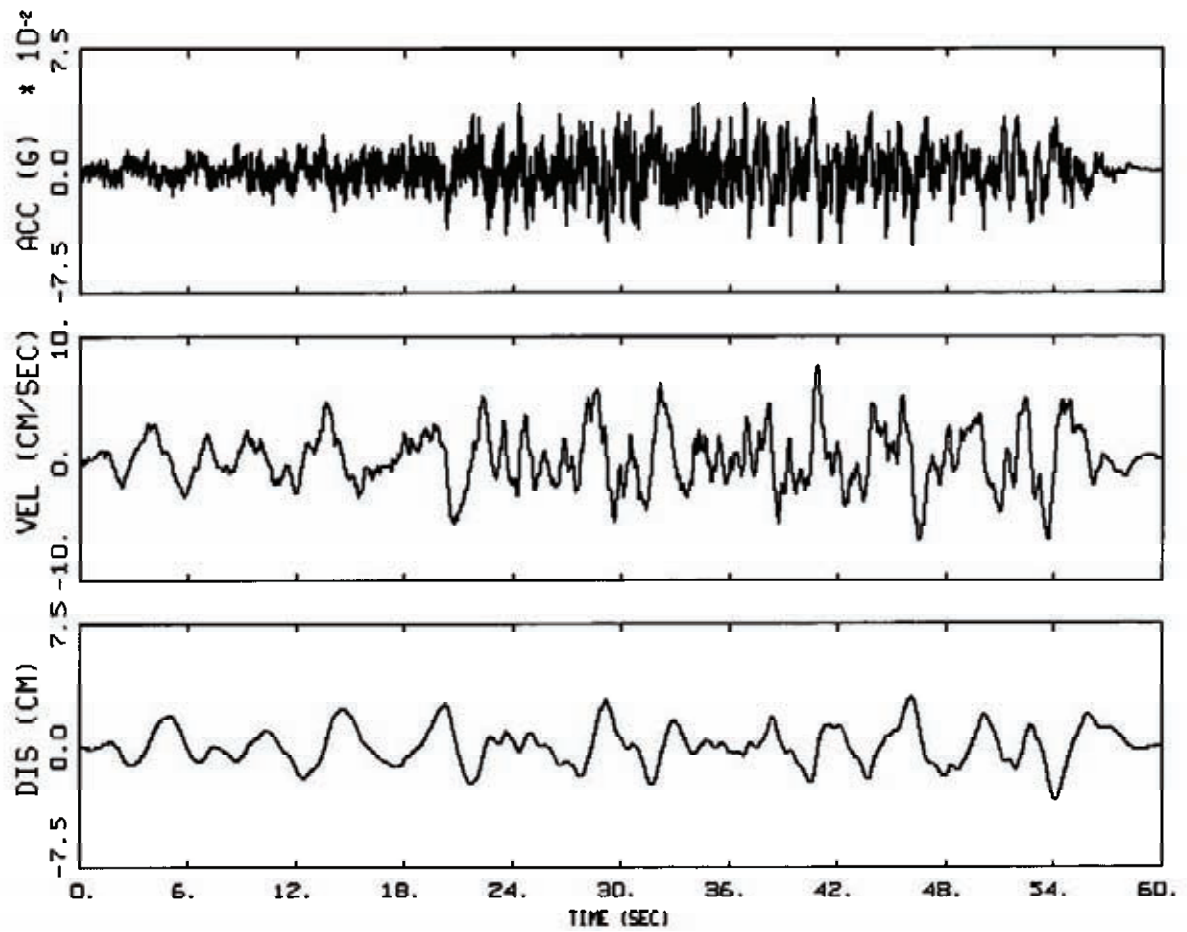
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE 17.4, R=300KM, SEALS2&3

LEGEND
 ——— TARGET: PGA = 0.061 g
 - - - - 5 % SPECTRAL WIDTH: PGA = 0.062 g

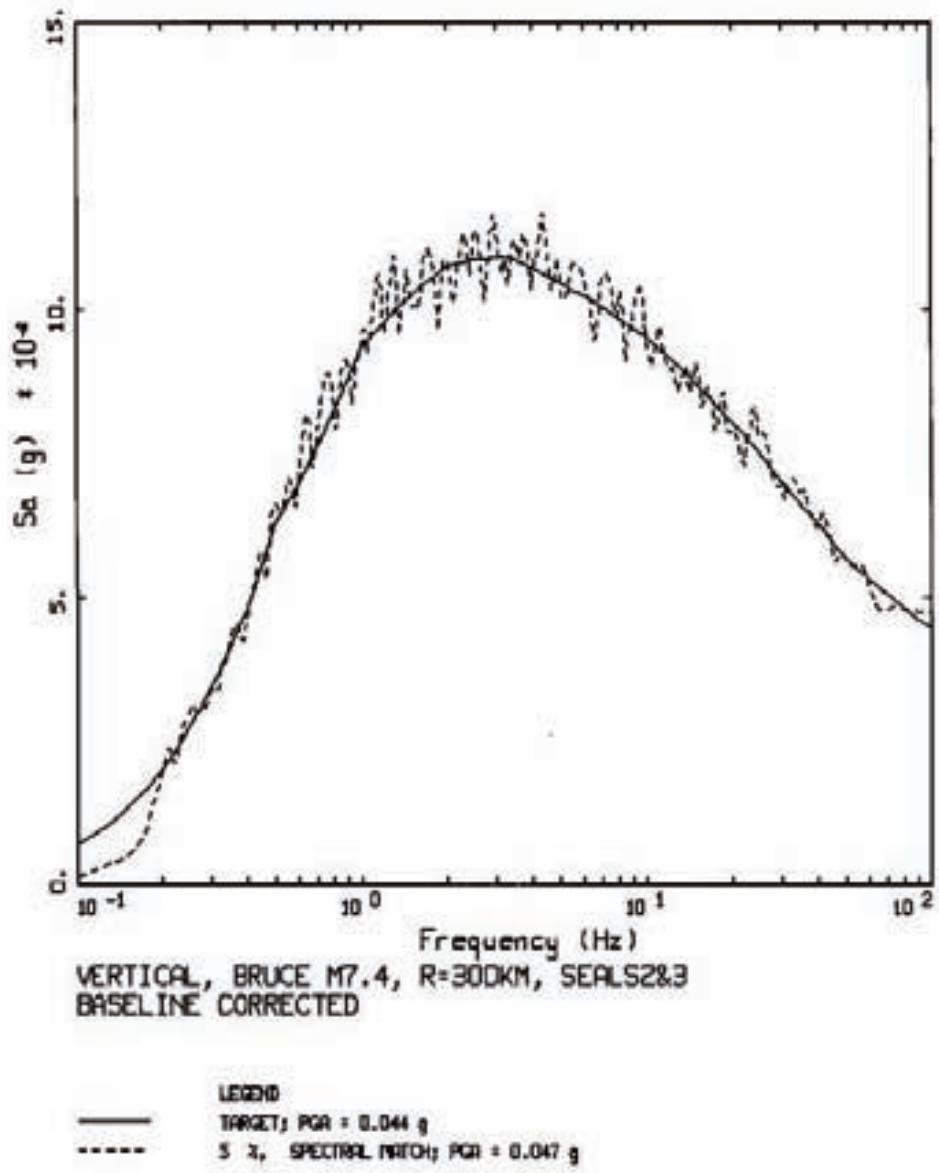


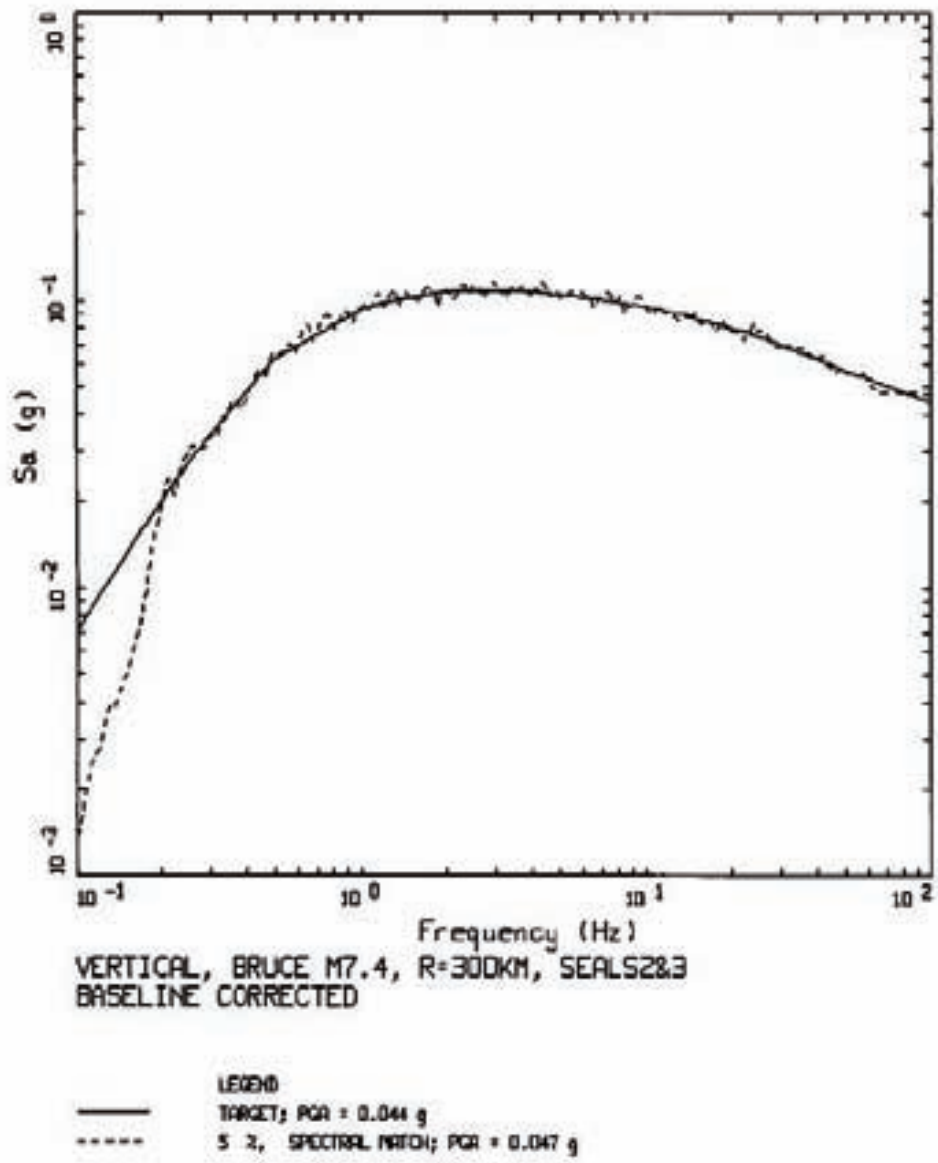
HORIZONTAL Z, BRUCE M7.4, R=300KM, SEALS2&3
 SPECTRAL RATIO: MATCH/TARGET

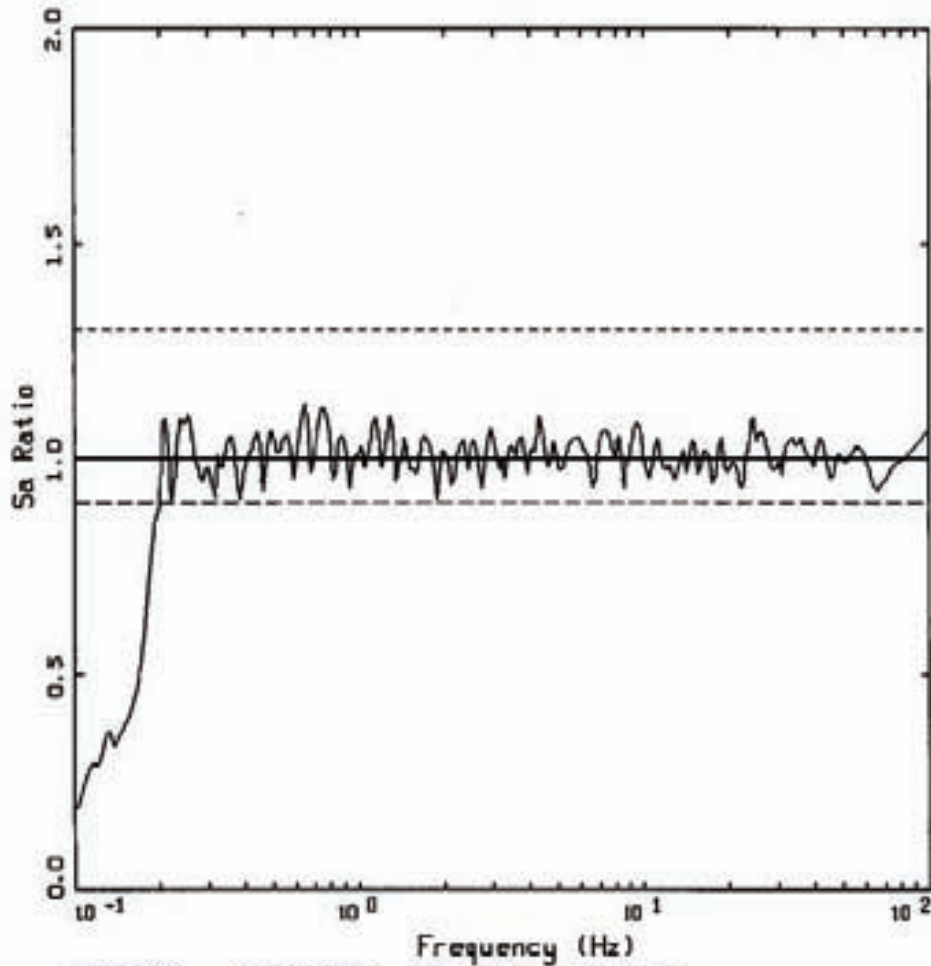
- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111



1E-05, VERTICAL
BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEALS2&3



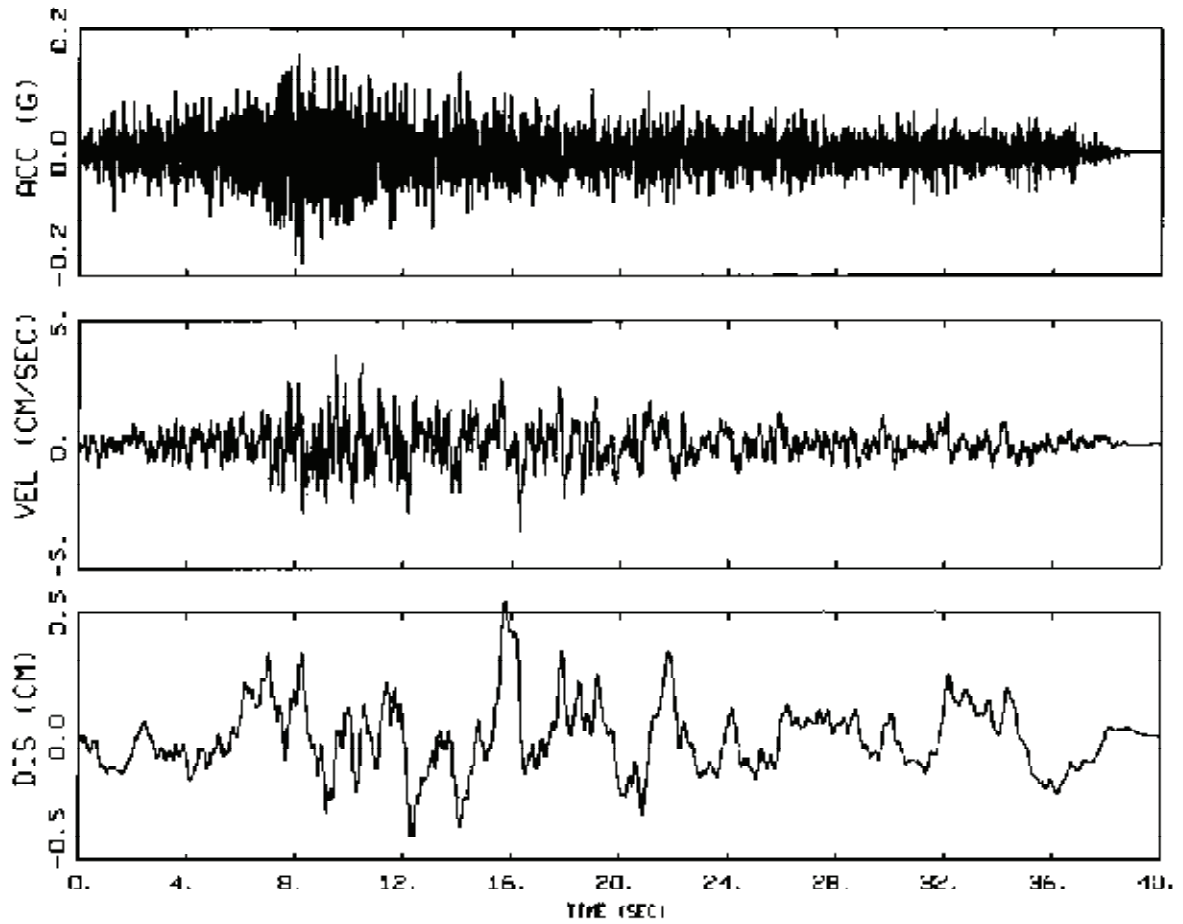




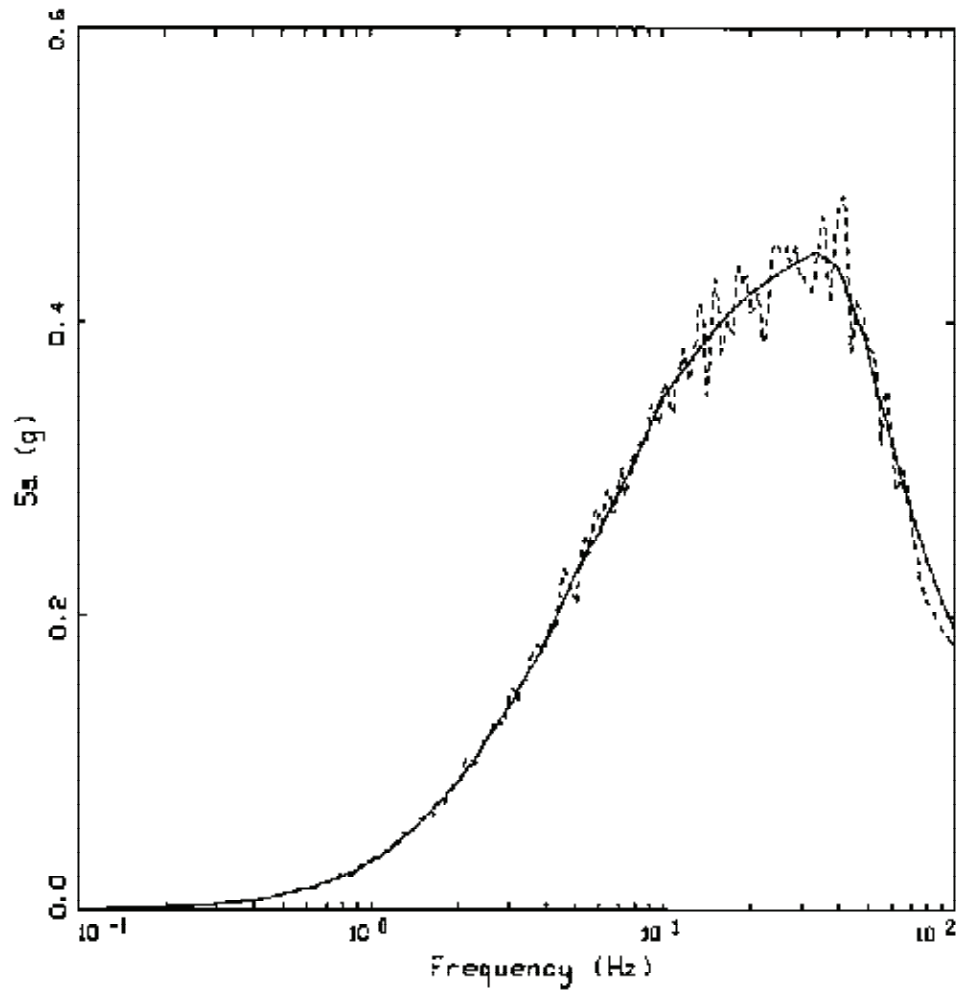
VERTICAL, BRUCE M7.4, R=300KM, SEALS2&3
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY * 1.3
 - - - UNITY / 1.111

Figure B3. Acceleration, velocity, displacement time histories, spectral match (linear and log S_a axes), and ratios of target design spectrum to match spectrum, Horizontal (H1 and H2) and vertical components for all three design spectra: Seals 4 and 5, AEF 10^{-5} .

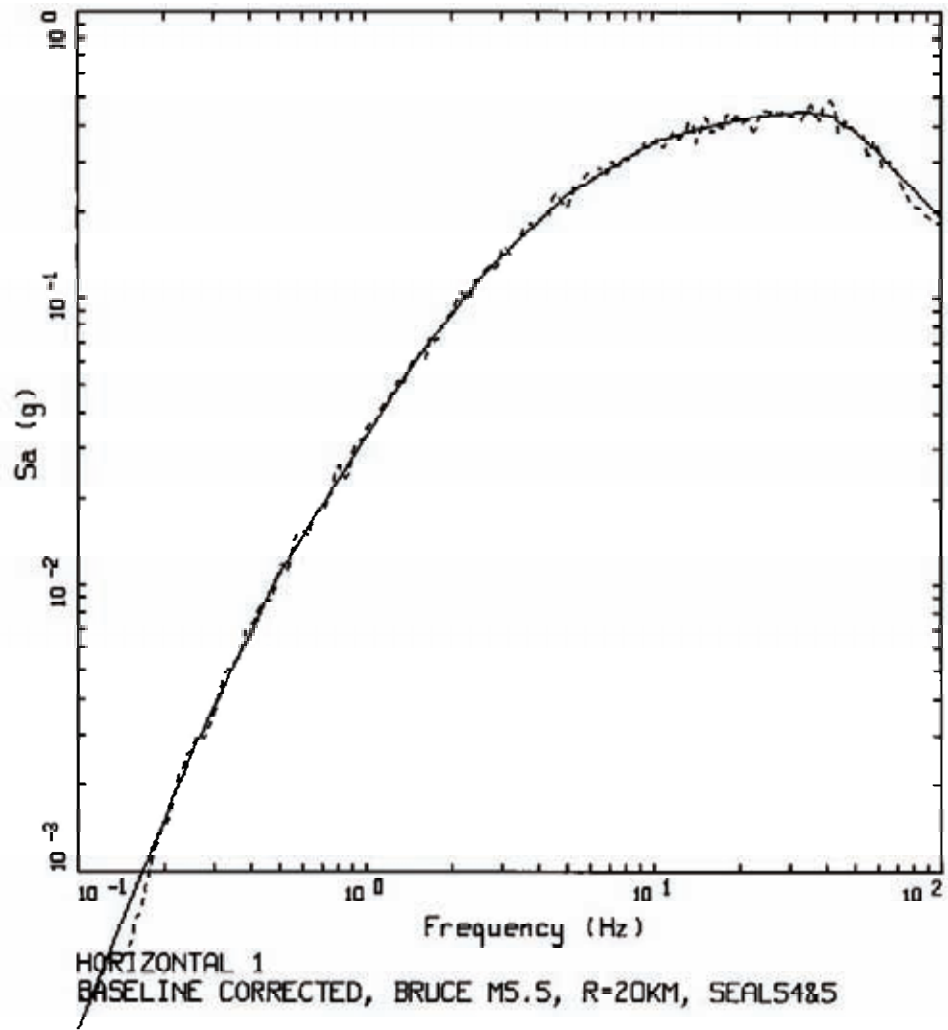


1E-05, HORIZONTAL_1
BASELINE CORRECTED, BRUCE MS.S, R=20KM, SEALS4&5

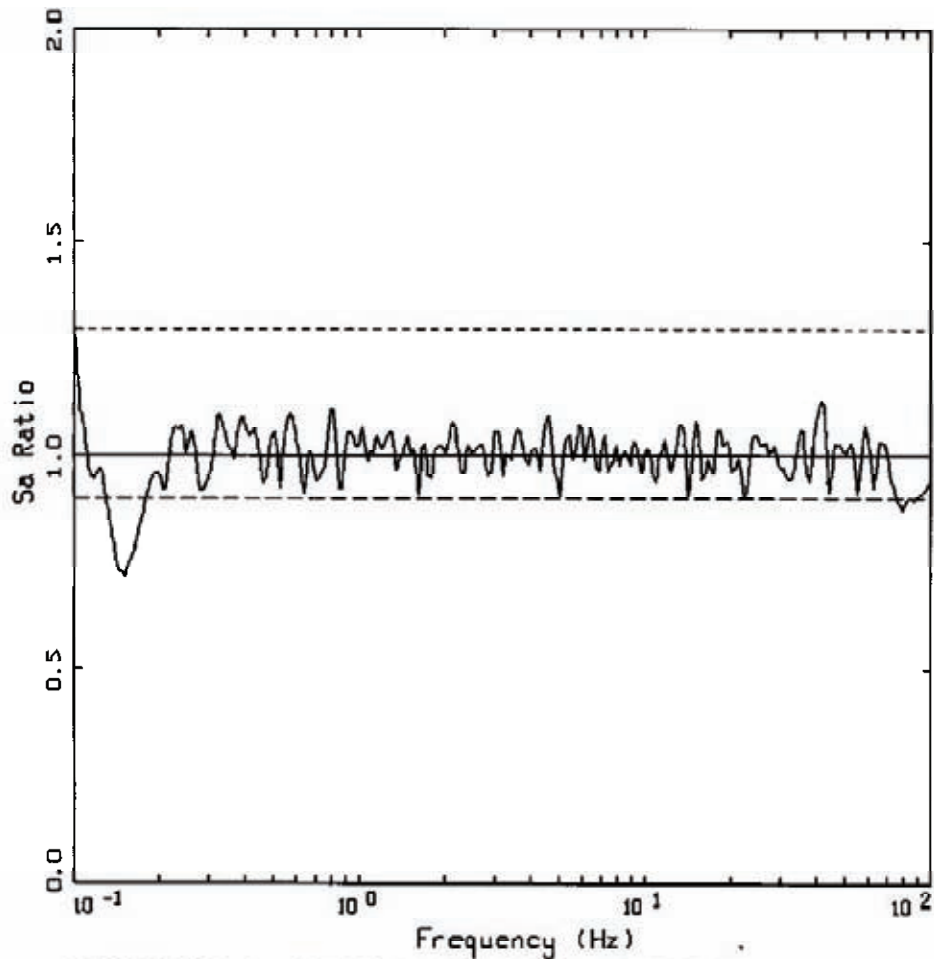


HORIZONTAL 1
 BASELINE CORRECTED, BRUCE MS.5, R=20KM, SEALS4&5

LEGEND
 ——— TARGET; PGA = 0.190 g
 - - - - 5 % SPECTRAL MATCH; PGA = 0.179 g

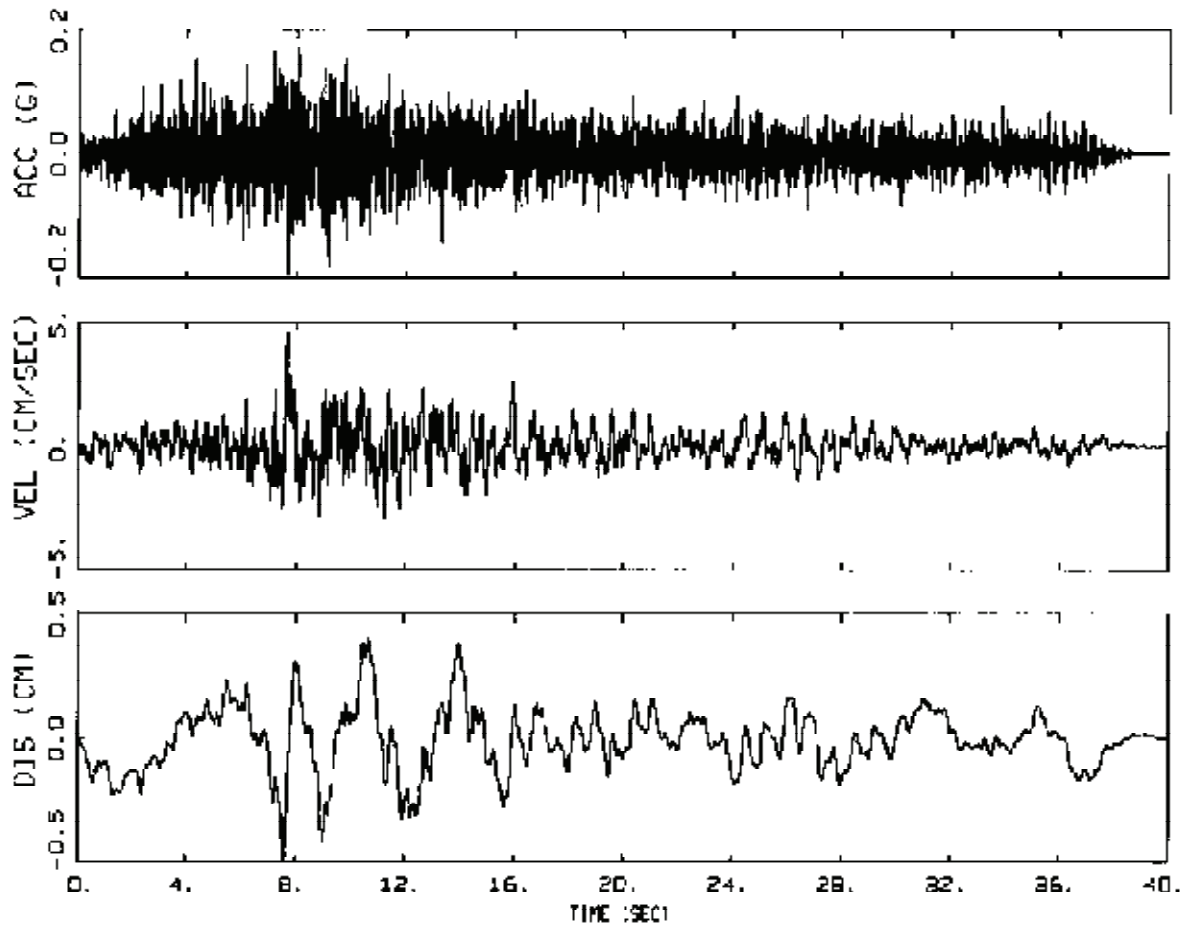


LEGEND
 ——— TARGET; PGA = 0.190 g
 - - - - 5 %, SPECTRAL MATCH; PGA = 0.179 g

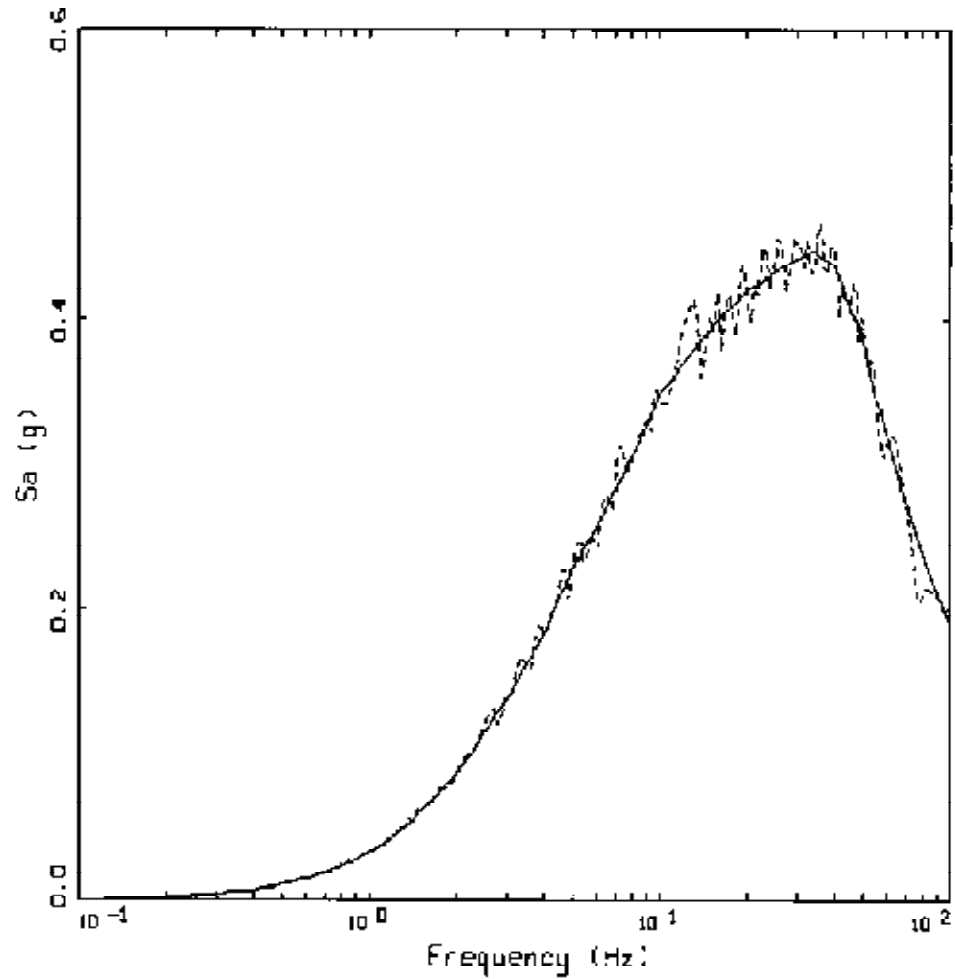


HORIZONTAL 1, BRUCE M=5.5, R=20KM, SEALS4&5
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY * 1.3
 - - - UNITY / 1.311

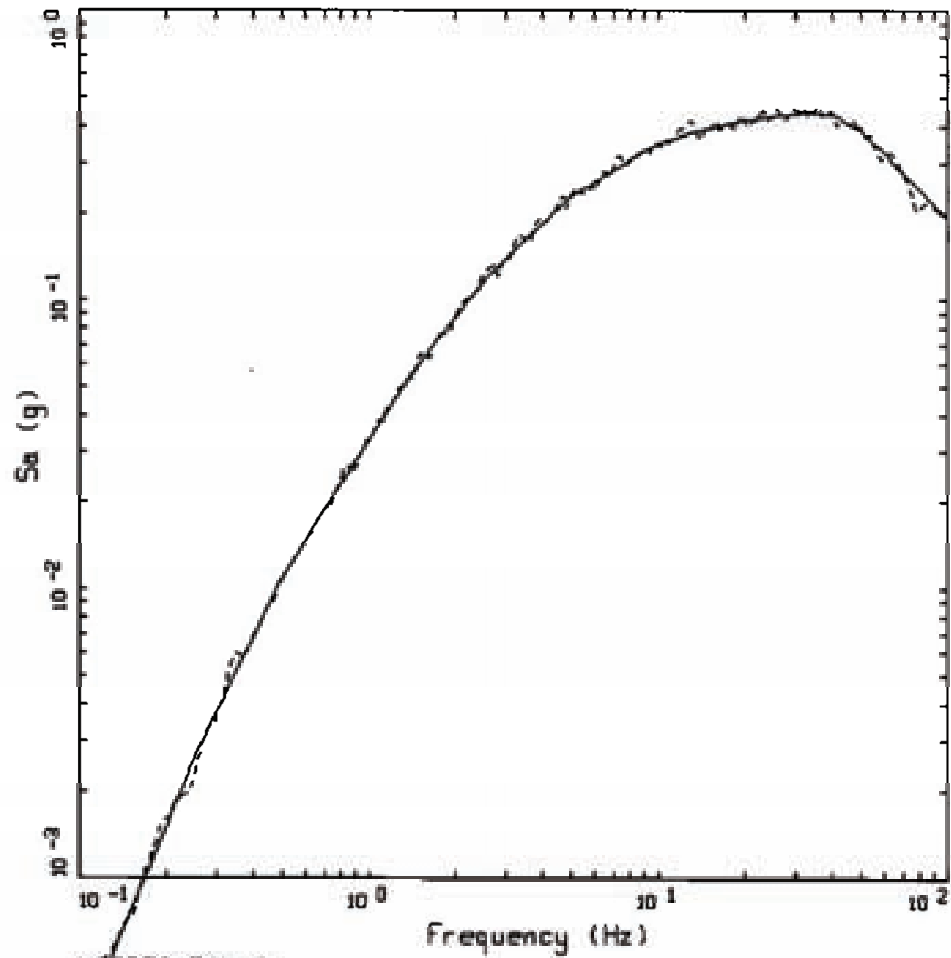


1E-05, HCRIZONTAL 2
BASELINE CORRECTED, BRUCE MS.5, R=20KM, SEALS4&5



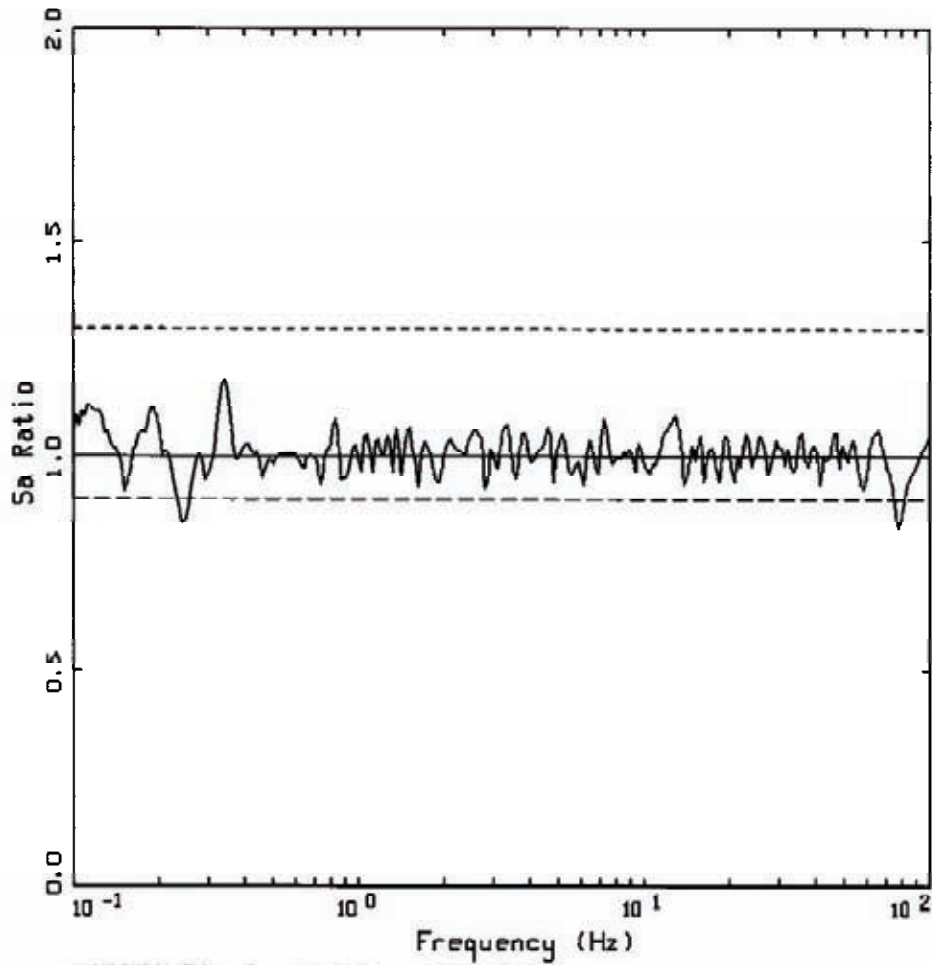
HORIZONTAL 2
BASELINE CORRECTED, BRUCE MS.5, R=20KM, SEALS4&5

LEGEND
— TARGET; PGA = 0.190 g
- - - - 5 % SPECTRAL MATCH; PGA = 0.199 g



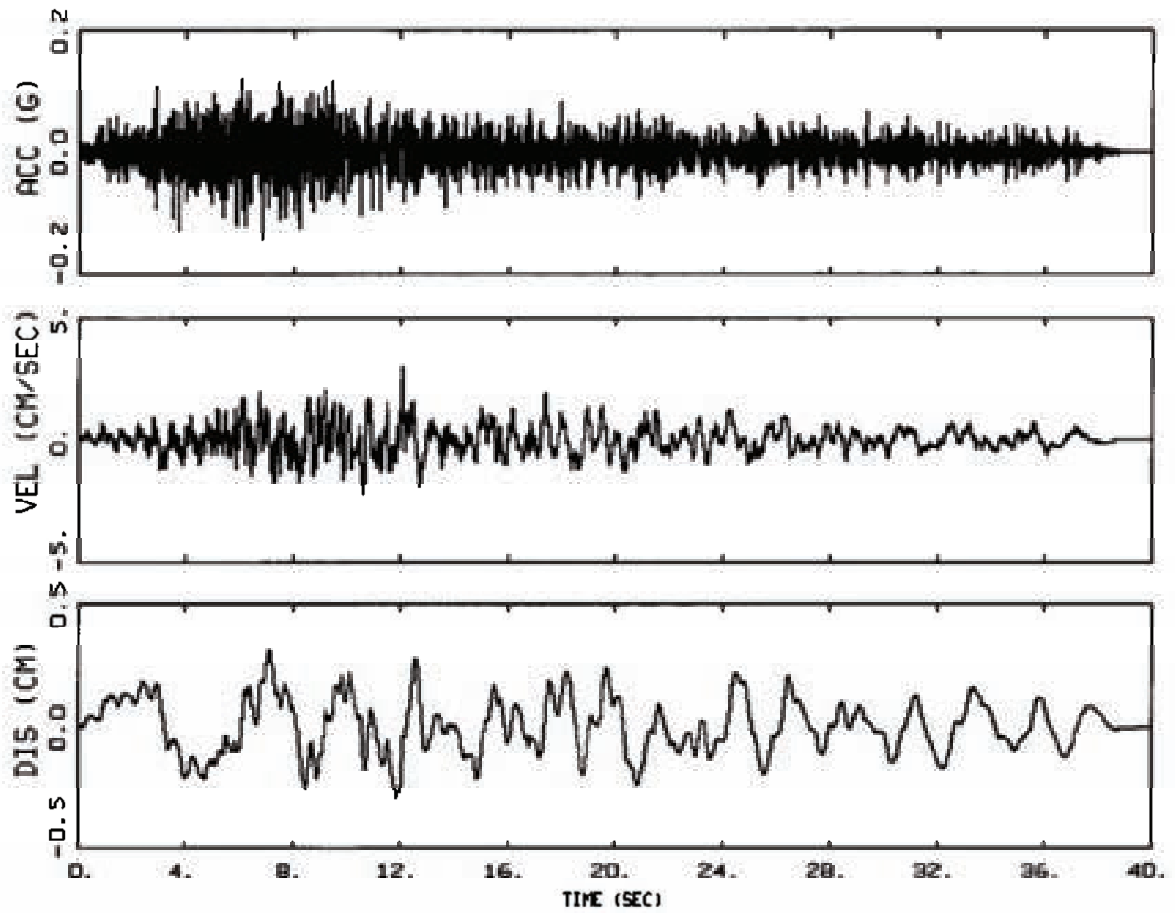
HORIZONTAL 2
BASELINE CORRECTED, BRUCE MS.5, R=20KM, SEALS4&5

LEGEND
—— TARGET: PGA = 0.190 g
----- 5 %, SPECTRAL RATIO; PGA = 0.199 g

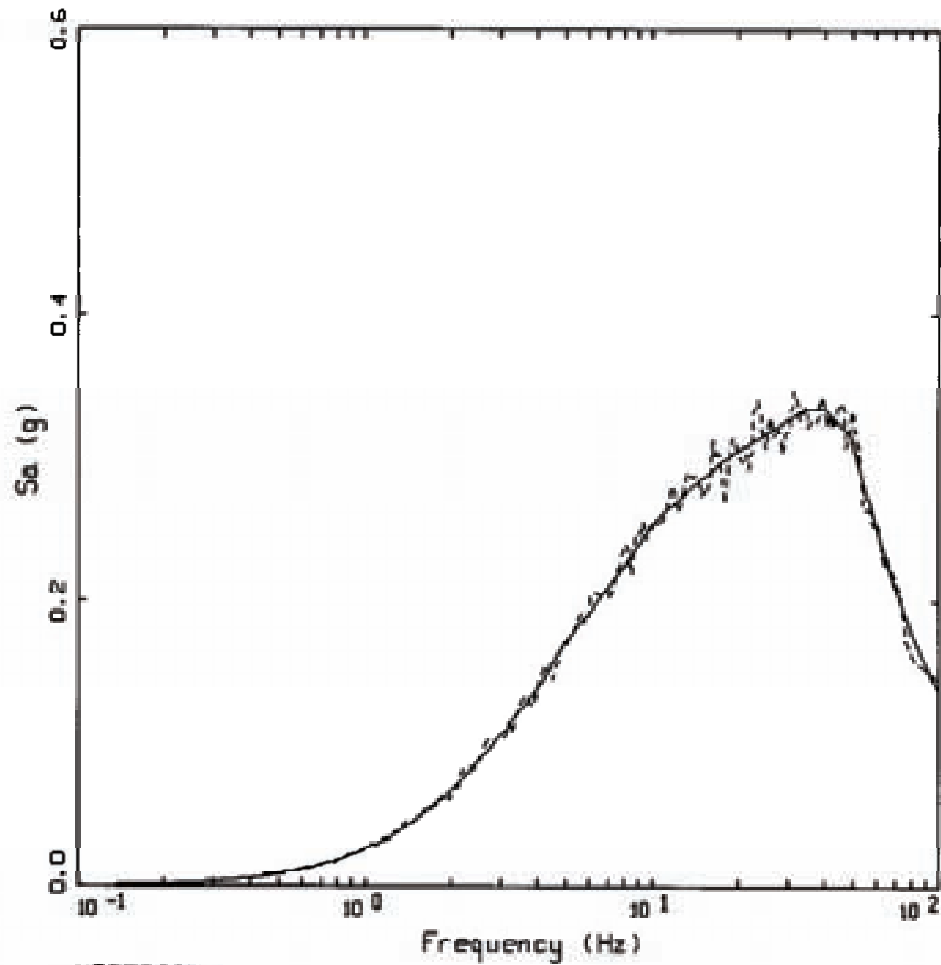


HORIZONTAL 2, BRUCE M=5.5, R=20KM, SEALS4&5
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111

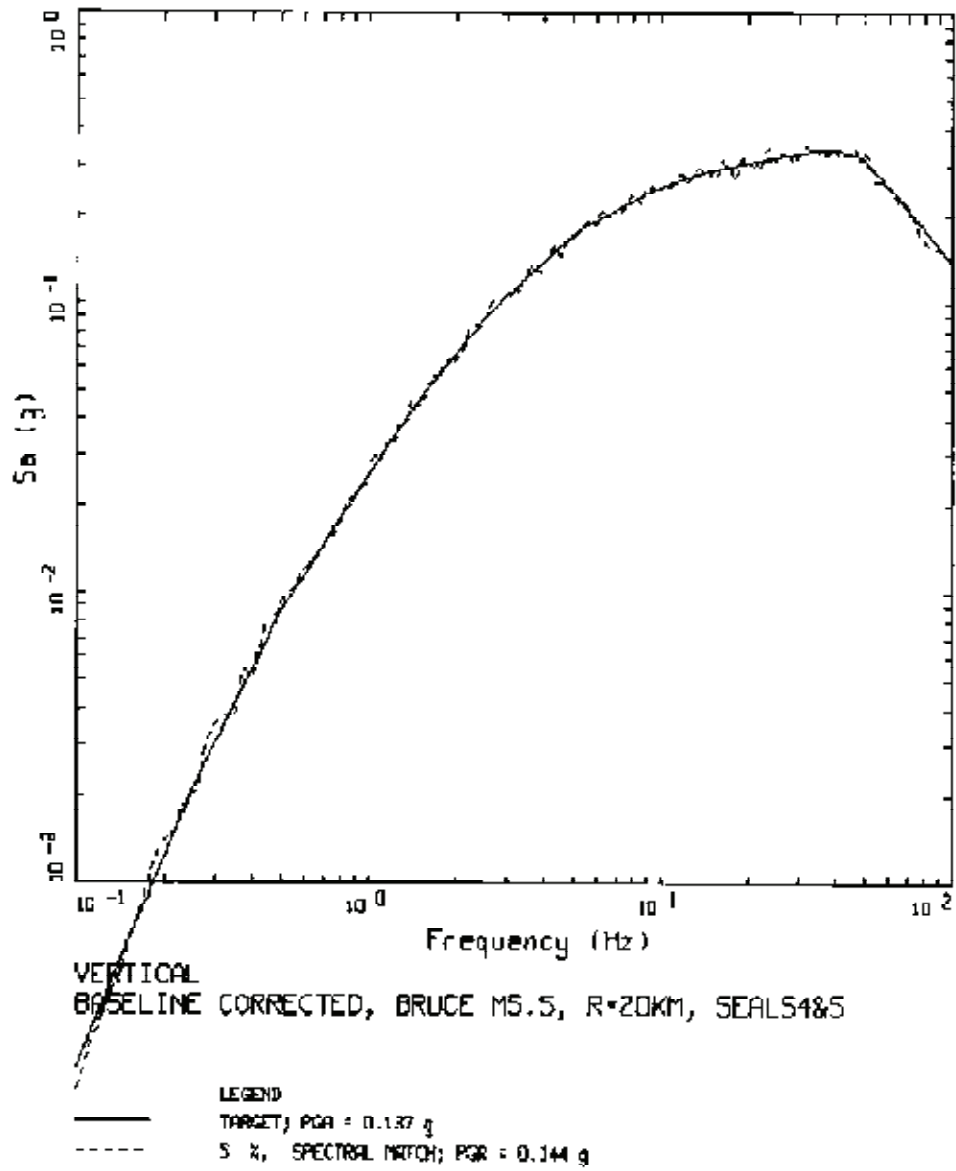


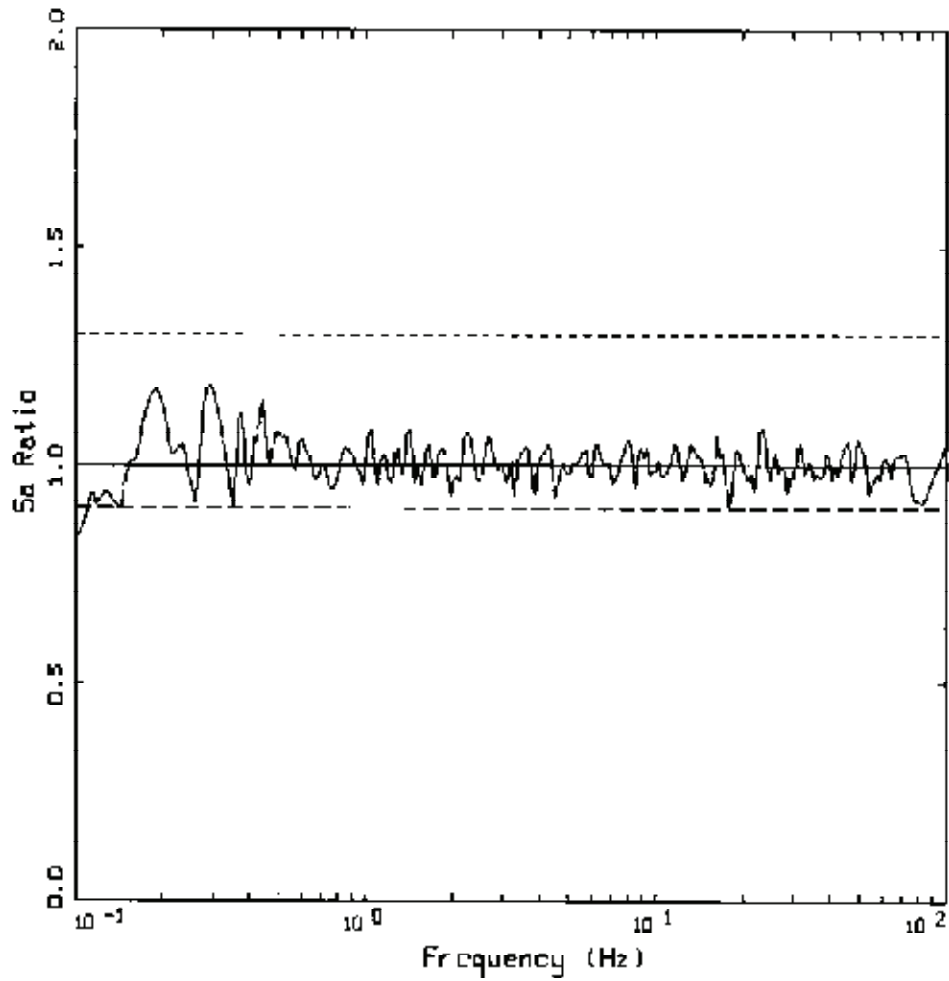
1
1E-05, VERTICAL
BASELINE CORRECTED, BRUCE MS.5, R-20KM, SEALS485



VERTICAL
 BASELINE CORRECTED, BRUCE MS.5, R=20KM, SEALS485

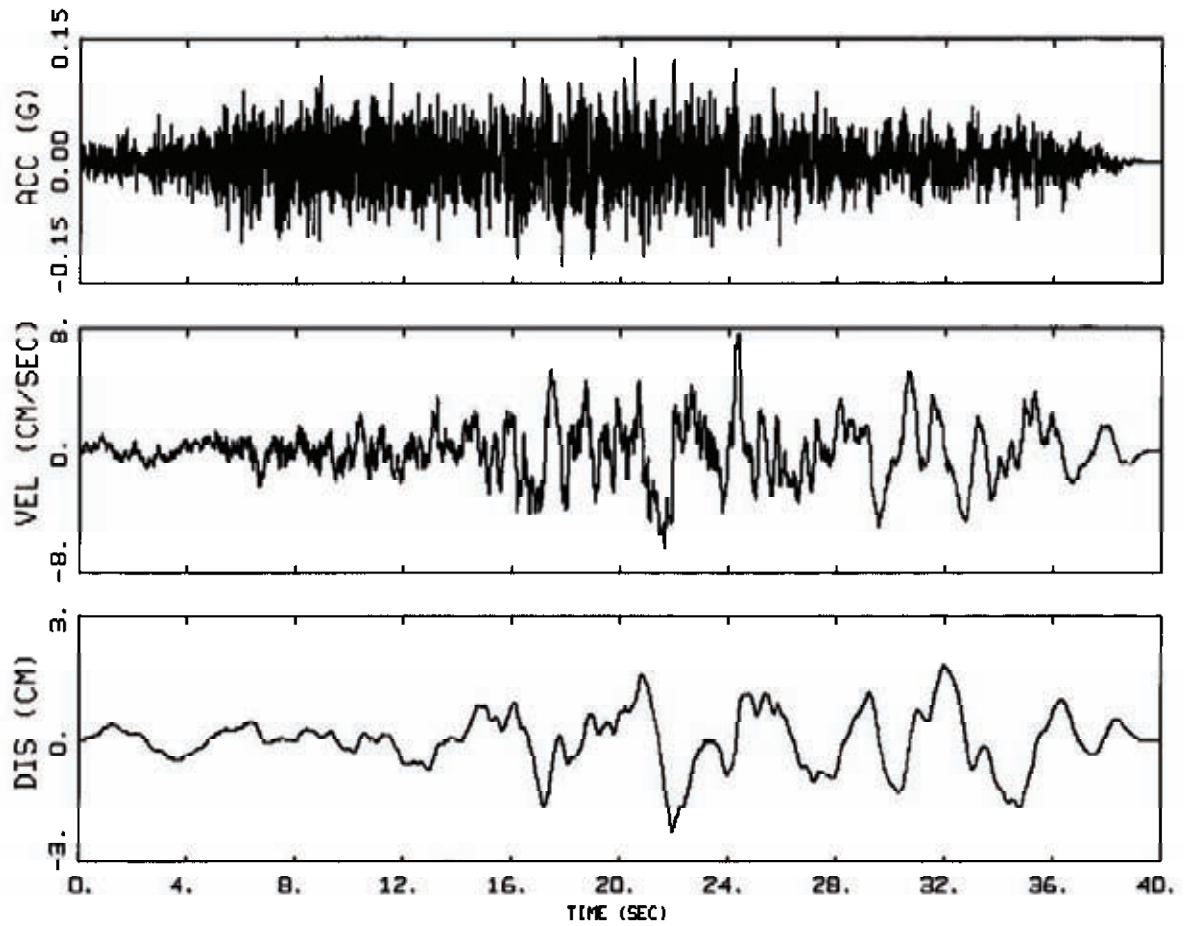
LEGEND
 ——— TARGET; PGA = 0.137 g
 - - - - - S X, SPECTRAL MATCH; PGA = 0.144 g



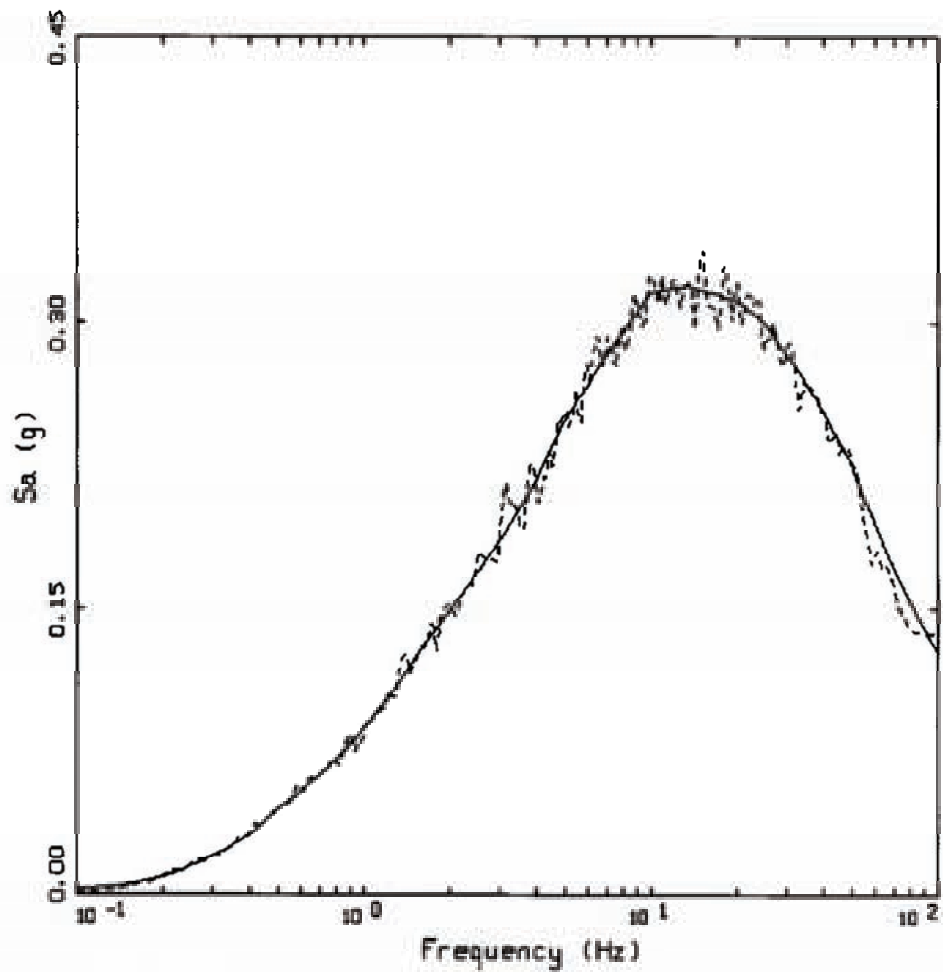


VERTICAL, BRUCE M5.5, R=20KM, SEALS4&5
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY x 1.3
 - UNITY / 1.111

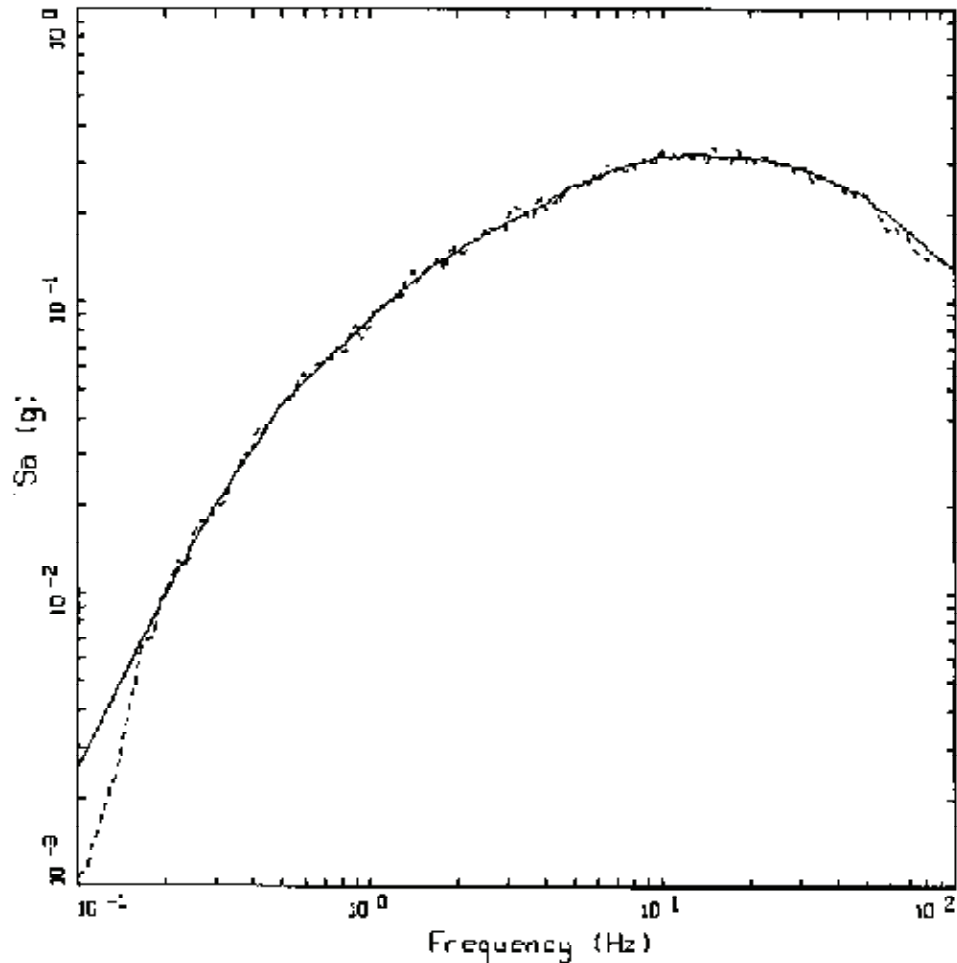


1E-05, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEALS485

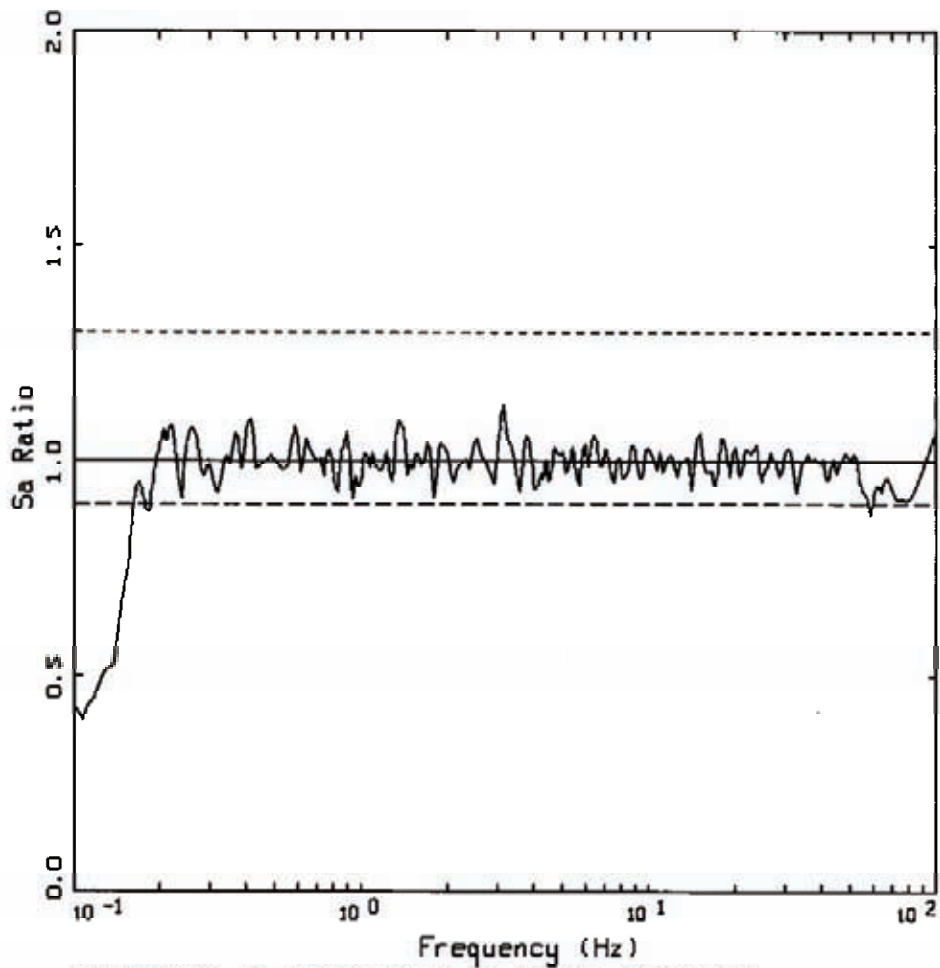


HORIZONTAL 1
BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEALS4&5

LEGEND
—— TARGET; PGA = 0.128 g
- - - - S 2, SPECTRAL MATCH; PGA = 0.137 g

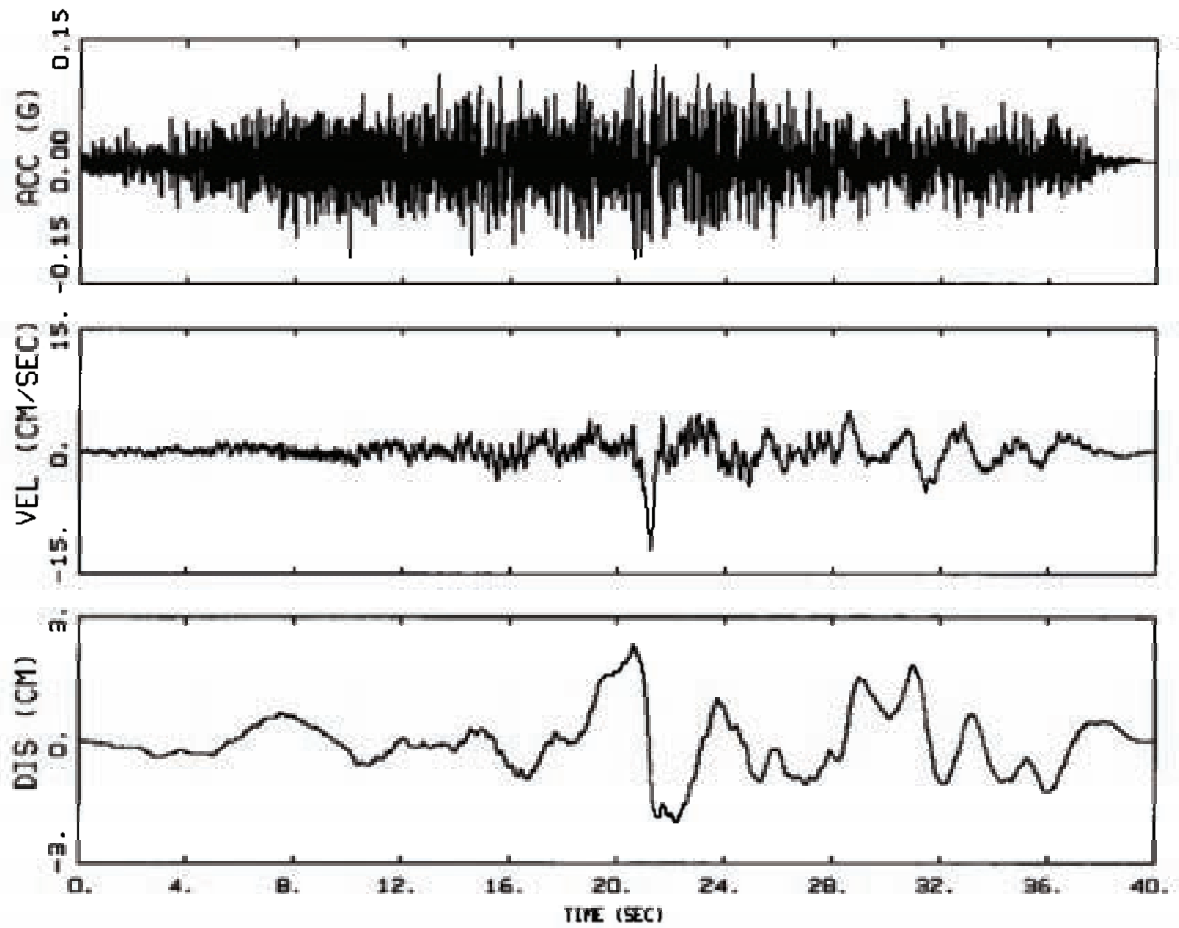


LEGEND
—— TARGET; PGA = 0.128 g
----- 5 % SPECTRAL MATCH; PGA = 0.137 g

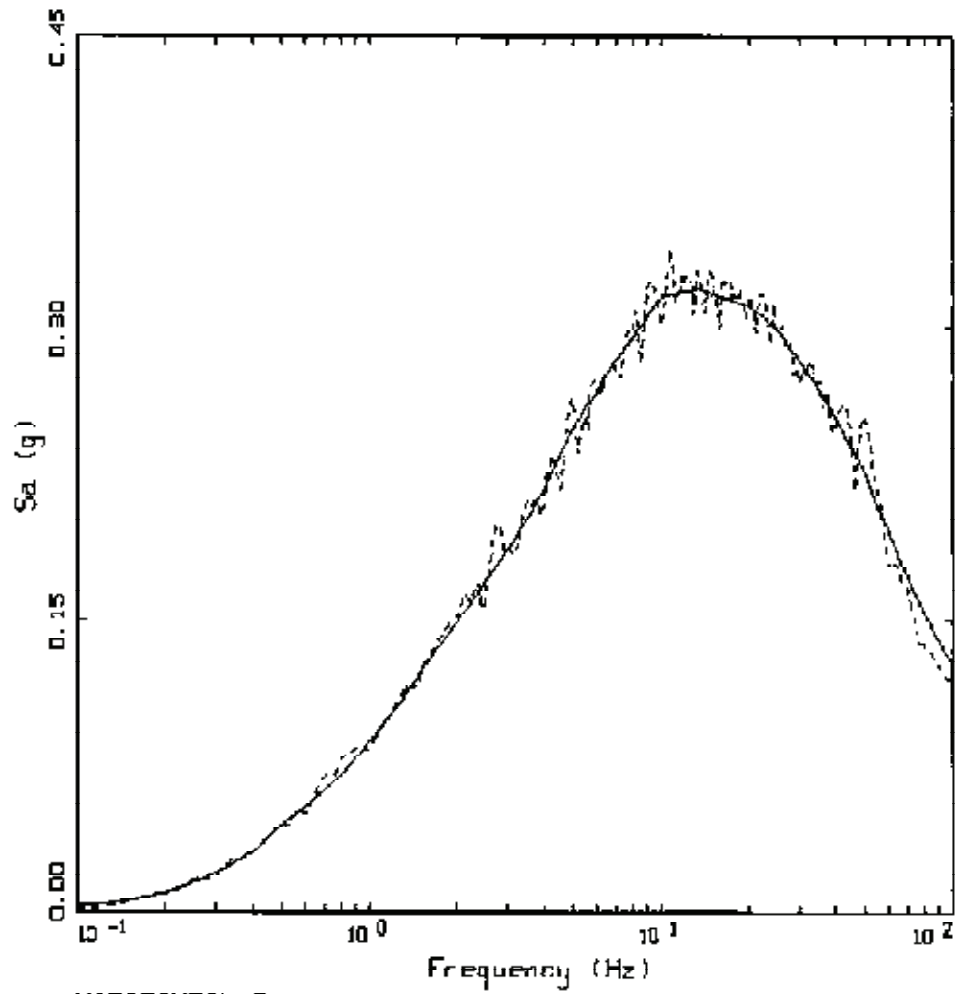


HORIZONTAL 1, BRUCE M6.5, R-100KM, SEALS4&5
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY x 1.3
 - UNITY / 1.111

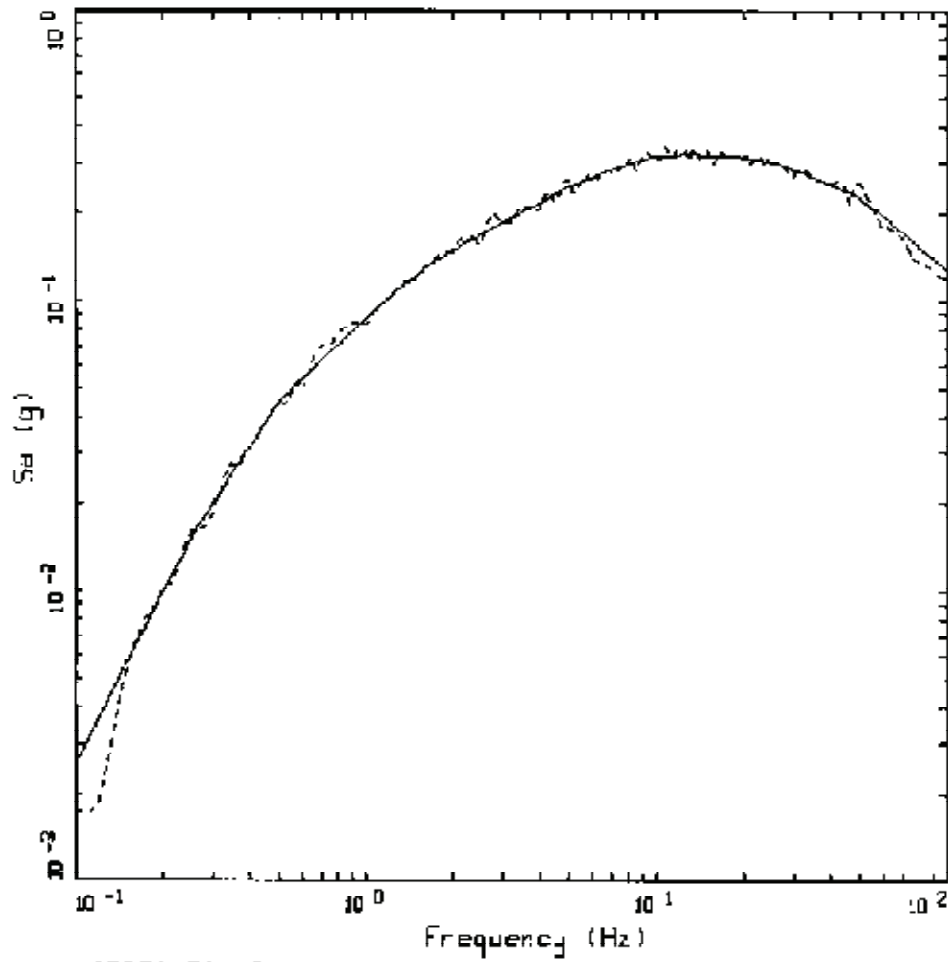


1E-05, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEALS4&5



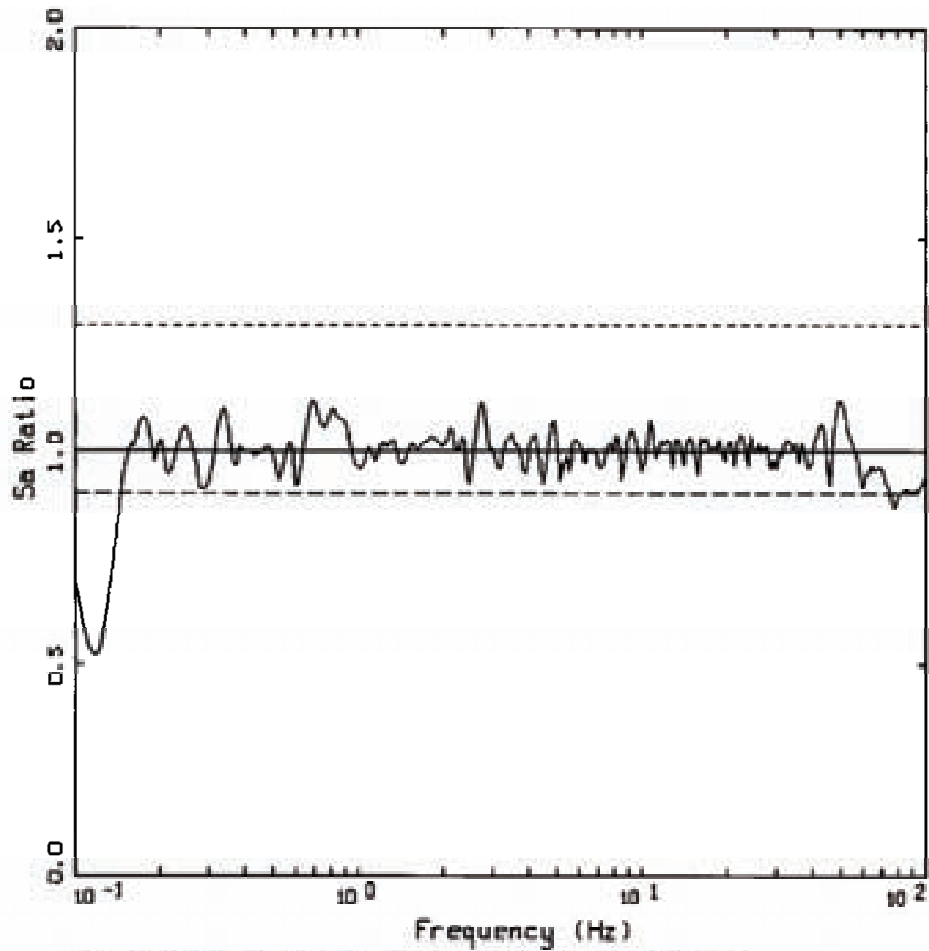
HORIZONTAL Z
 BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEAL54&5

LEGEND
 ——— TARGET; PGA = 0.128 g
 - - - - - S SPECTRAL MATCH; PGA = 0.121 g



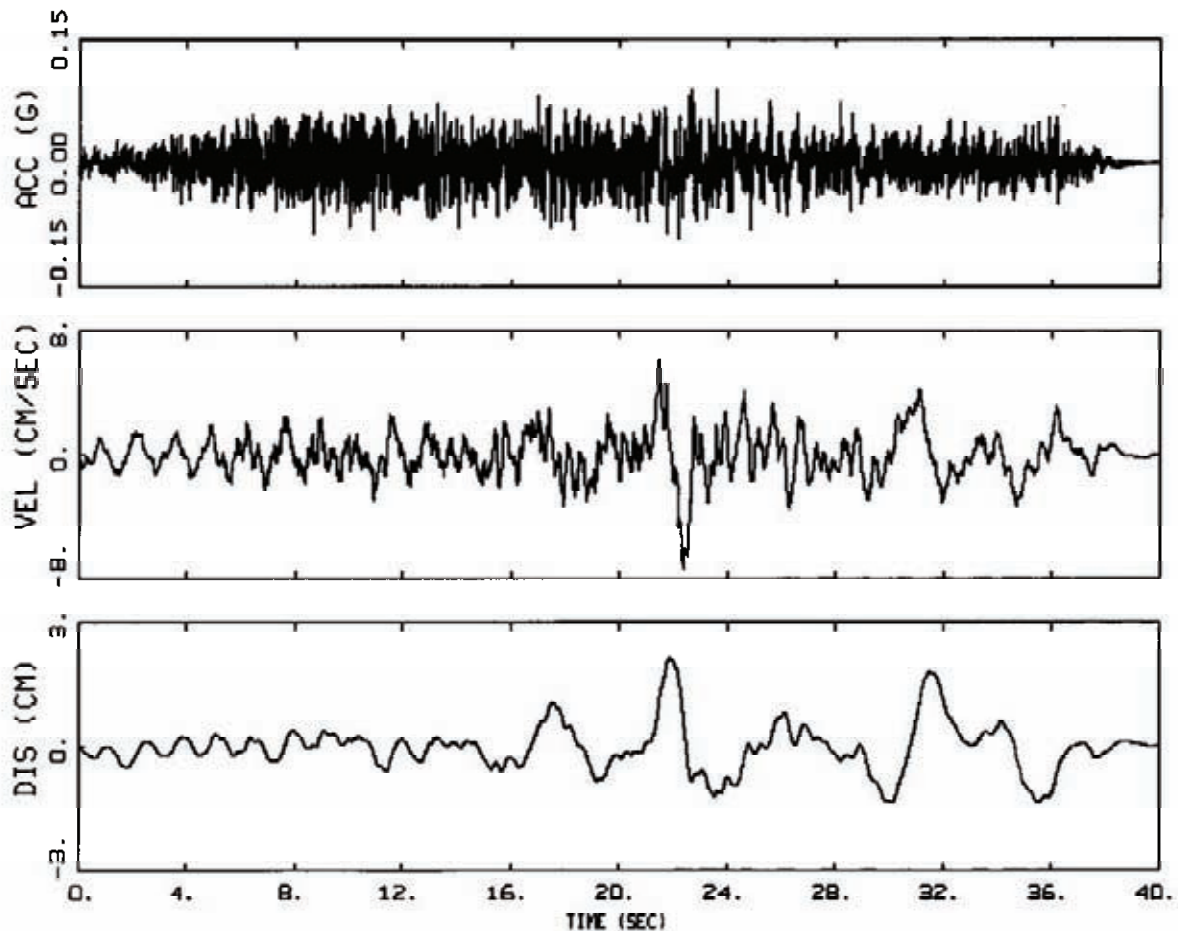
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEALS485

LEGEND
 ——— TARGET; PGA = 0.128 g
 - - - - - 5 % SPECTRAL NOTCH; PGA = 0.121 g

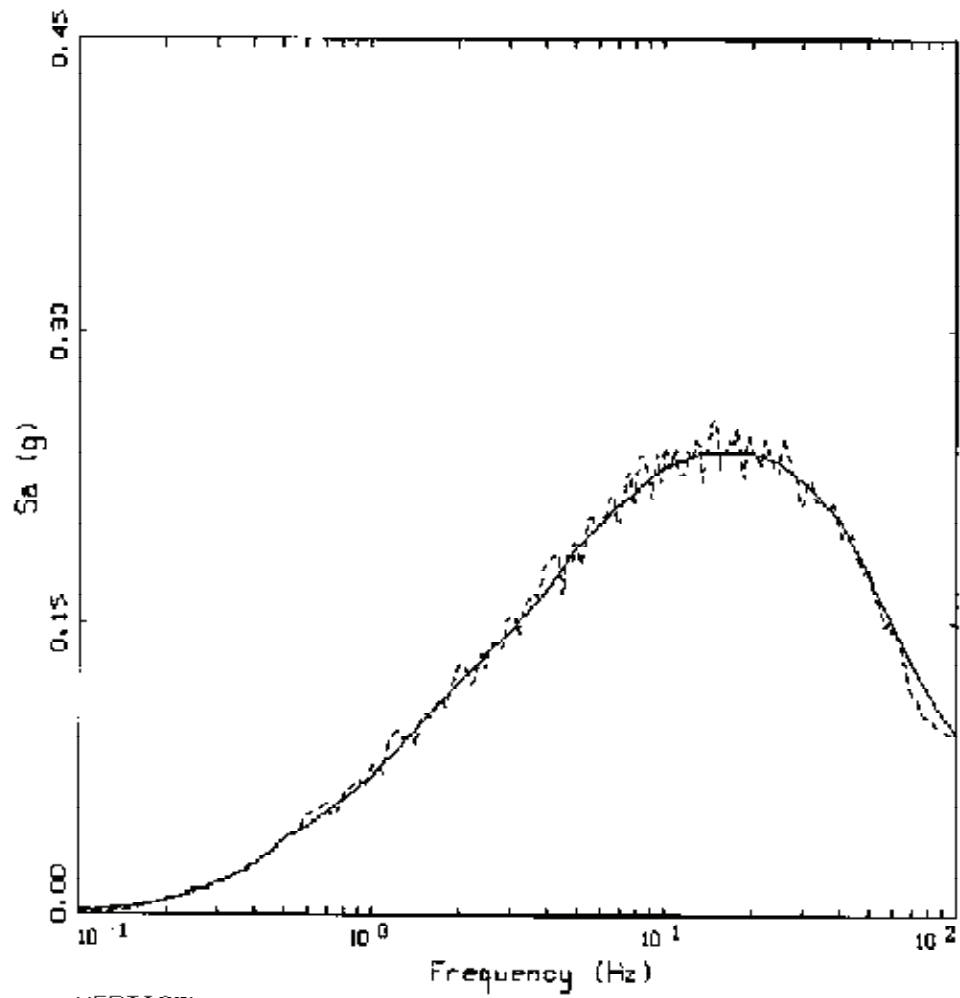


HORIZONTAL 2, BRUCE M6.5, R=100KM, SEALS4&5
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.333

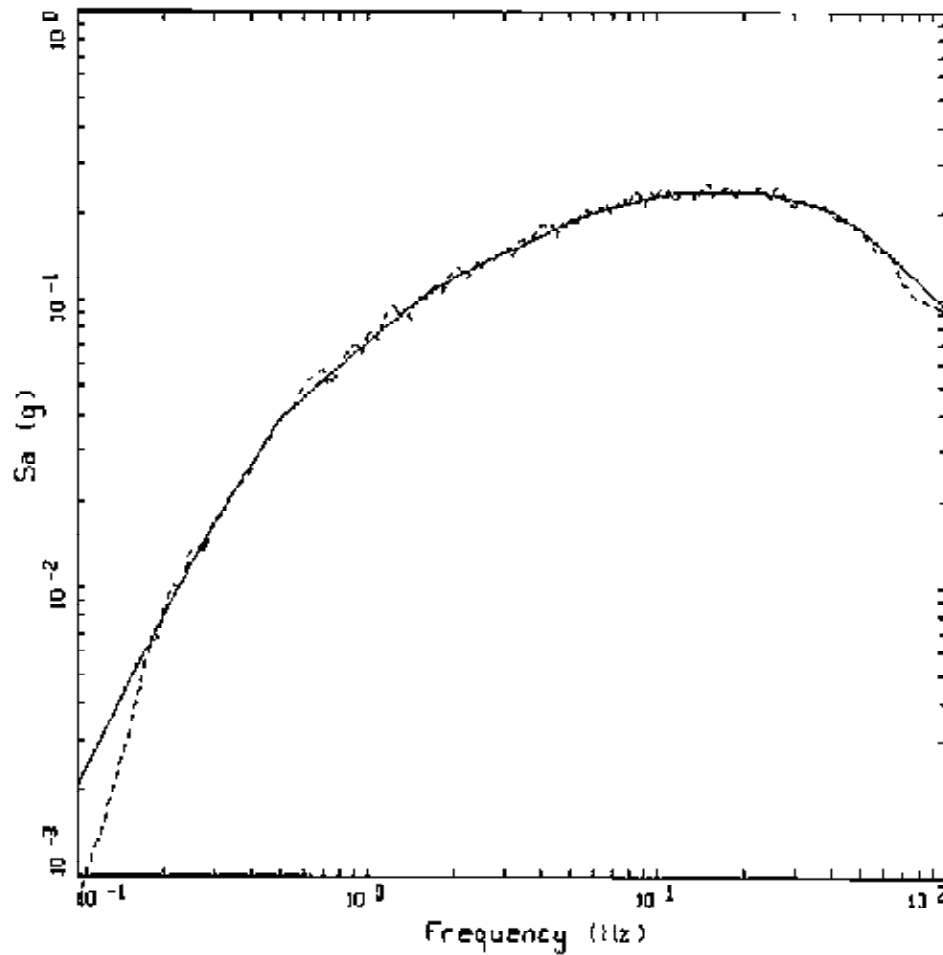


1E-05, VERTICAL
BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEALS4&5



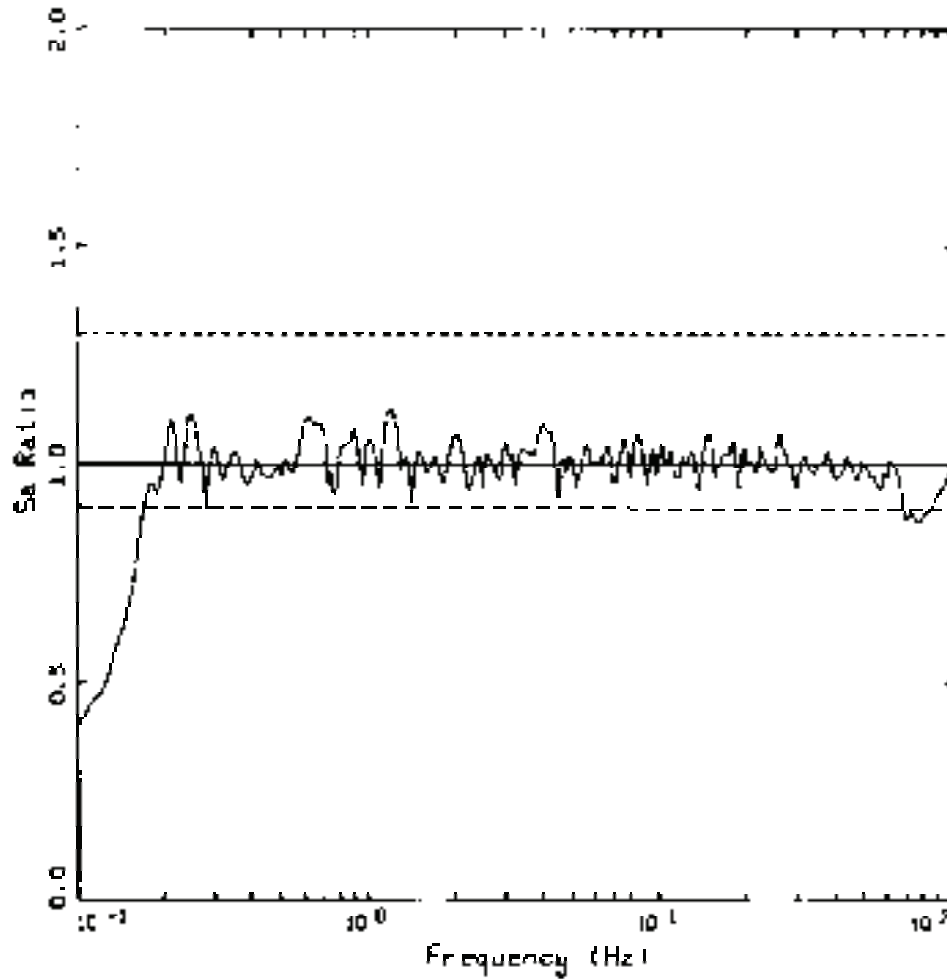
VERTICAL
BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEALS4&5

LEGEND
—— TARGET; PGA = 0.093 g
----- 5% SPECTRAL MATCH; PGA = 0.092 g



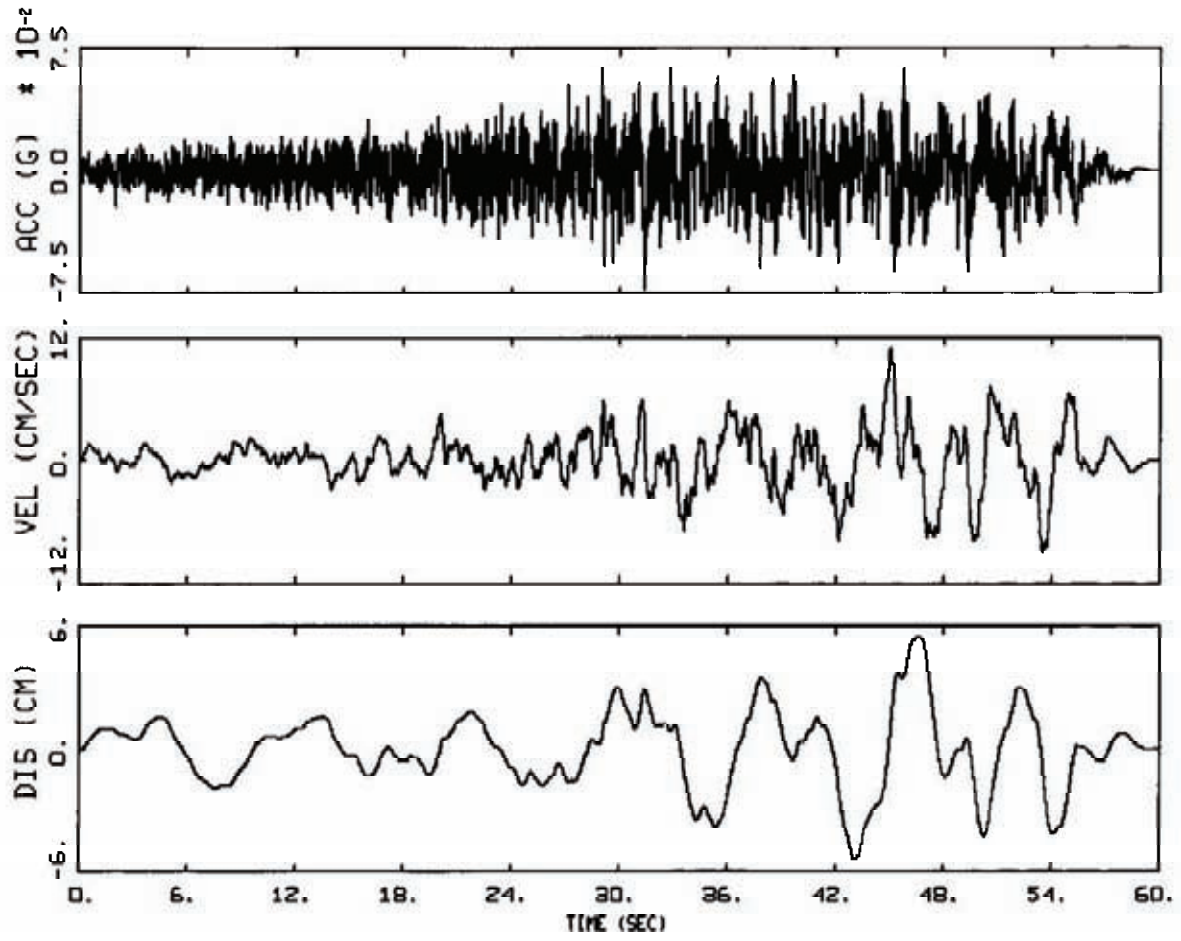
VERTICAL
 BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEALS4&5

LEGEND
 ——— TARGET: PGA = 0.099 g
 - - - - - 5 % SPECTRAL MATCH: PGA = 0.092 g

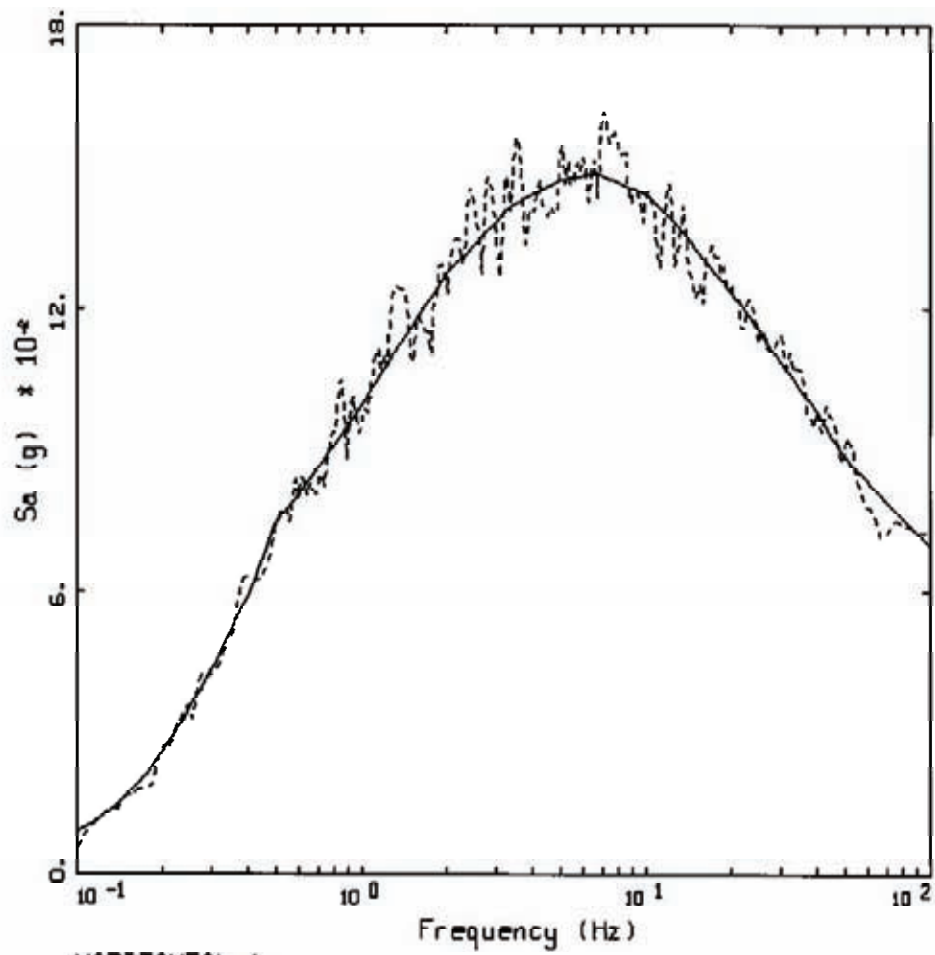


VERTICAL, BRUCE MS.5, R=100KM, SEALS485
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY x 1.3
 - UNITY x 1.31

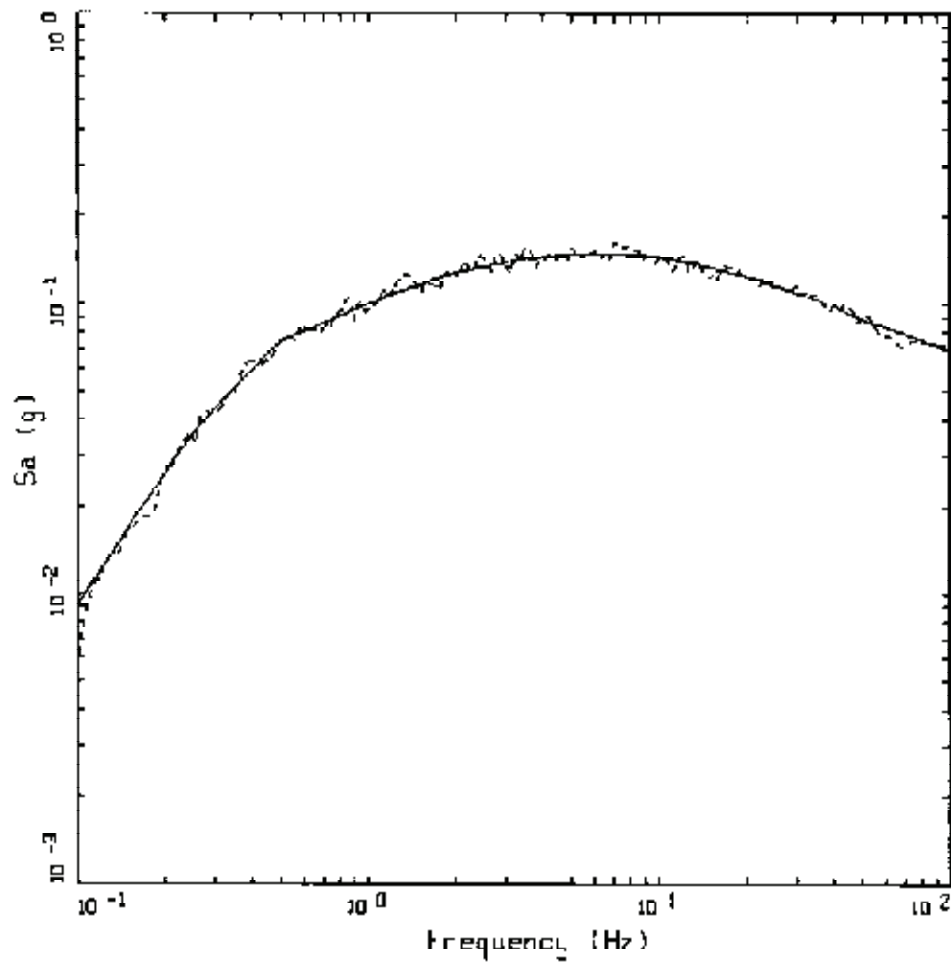


1E-05, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEALS4&5



HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEALS4&5

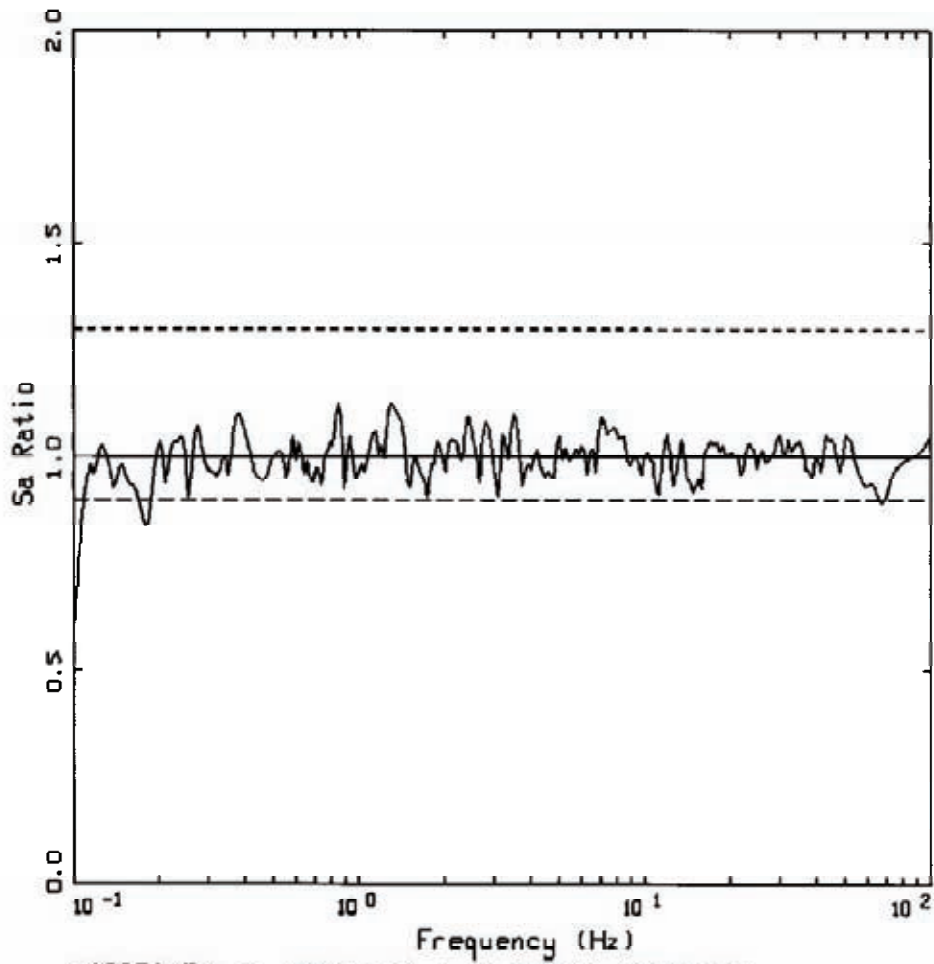
LEGEND
 ——— TARGET; PGA = 0.070 g
 - - - - 5 %, SPECTRAL MATCH; PGA = 0.073 g



HORIZONTAL 1
BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEALS485

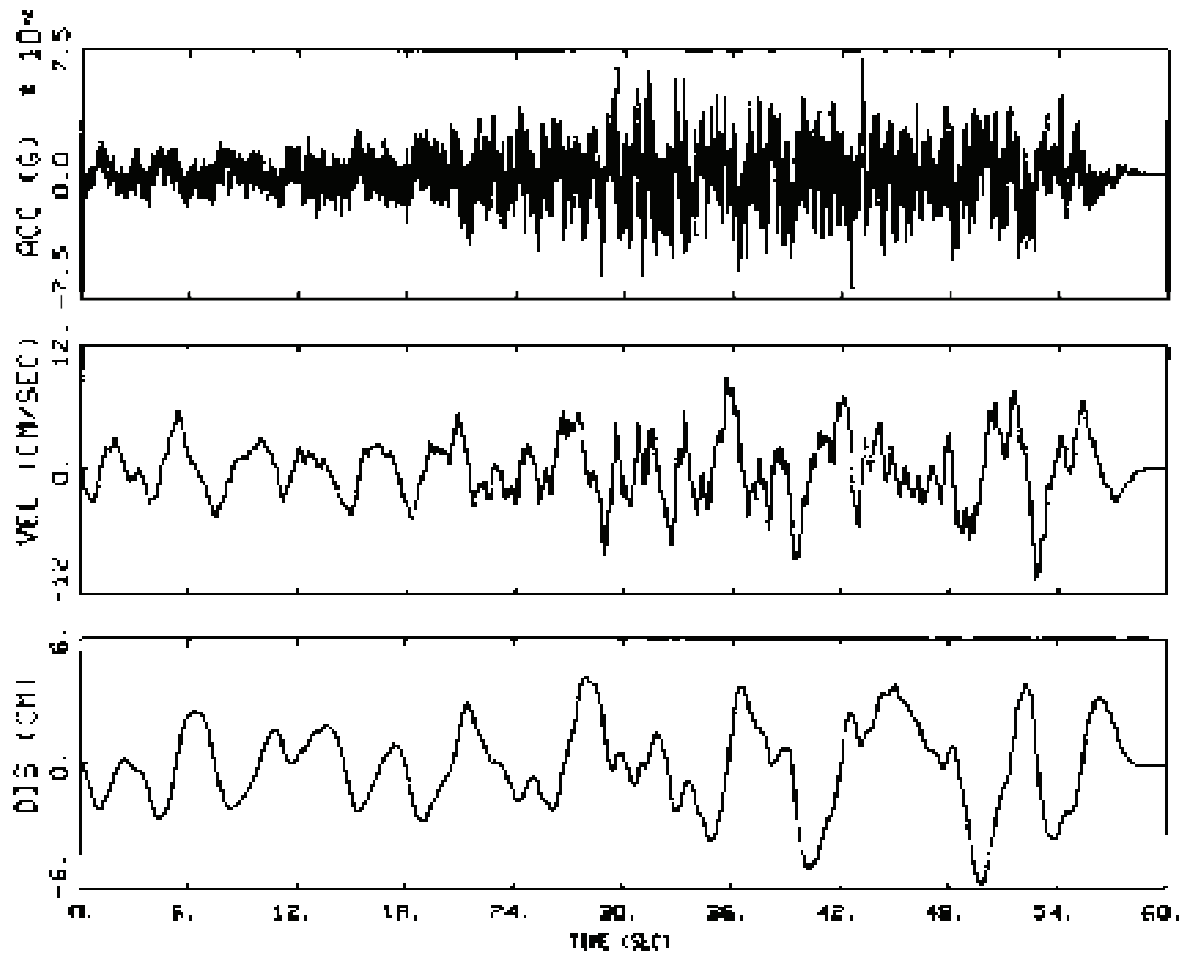
LEGEND

- TARGET; PGA = 0.070 g
----- 5 % SPECTRAL RATIO; PGA = 0.073 g

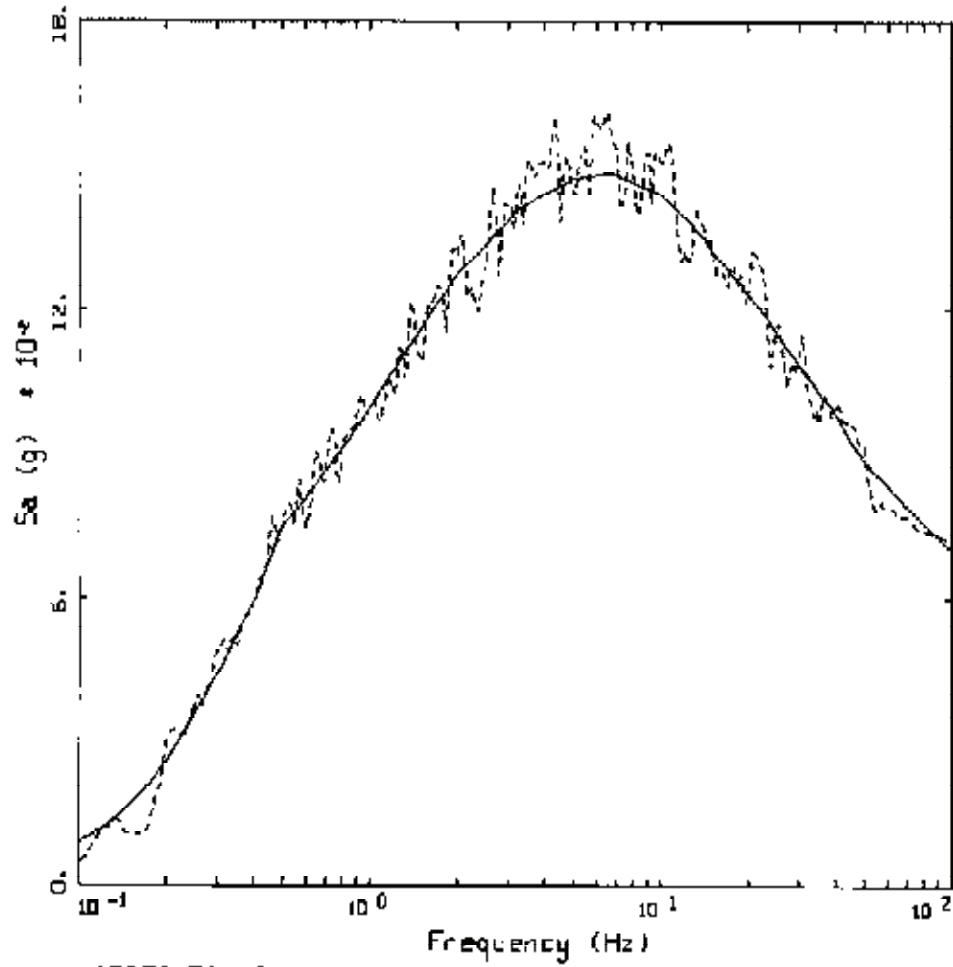


HORIZONTAL 1, BRUCE M7.4, R=300KM, SEAL5485
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111

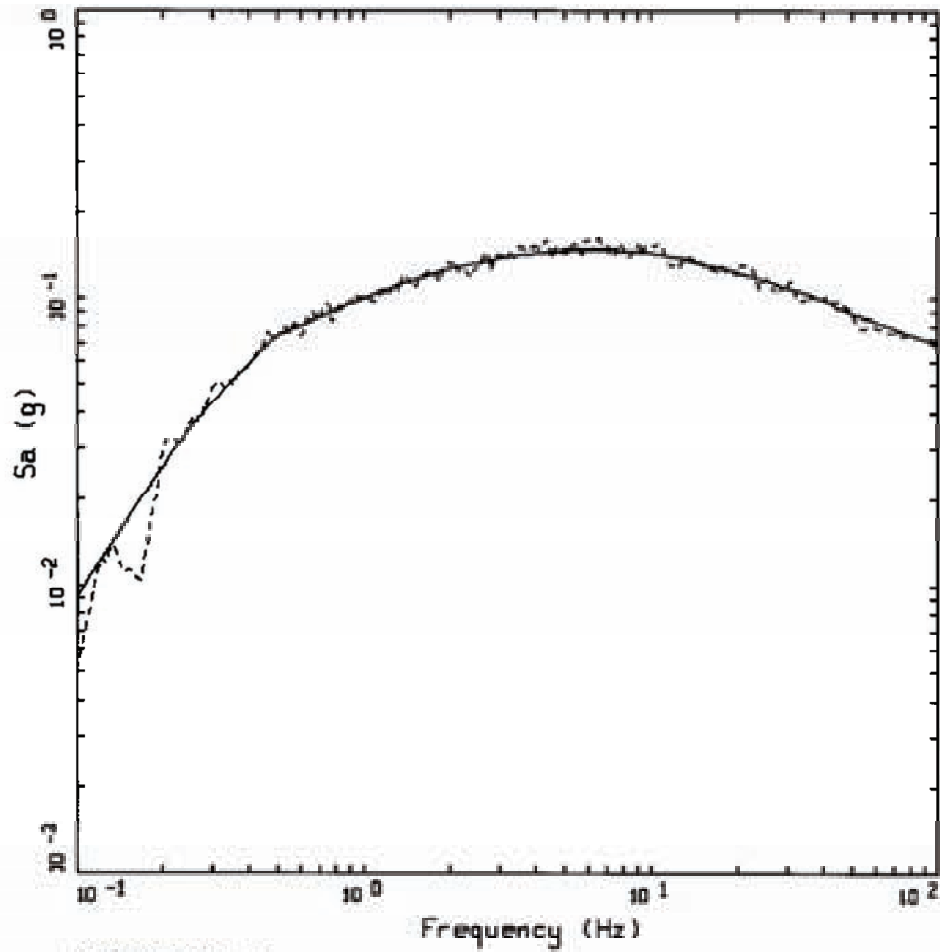


JE 05, HORIZONTAL 2
BASELINE CORRECTED, BRUC M7.4, R=310KM, STA 5485



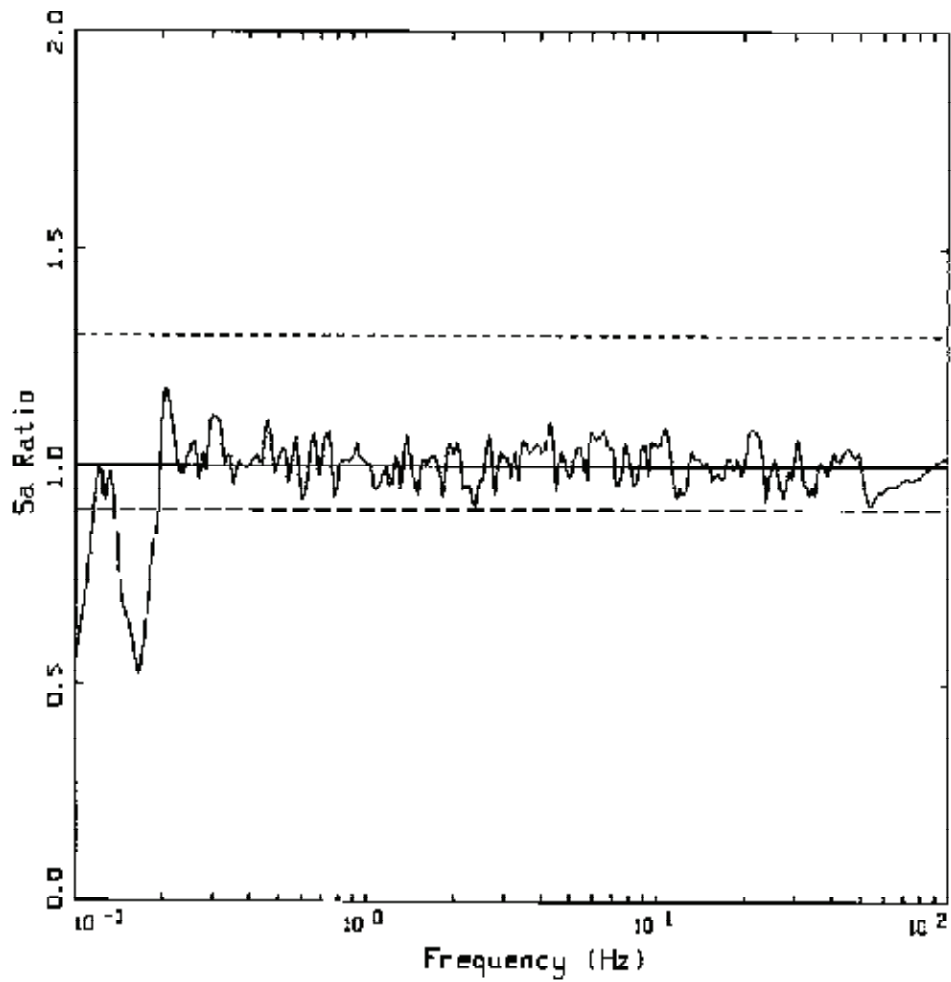
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEALS4&5

LEGEND
 ——— TARGET; PGA = 0.070 g
 - - - - - 5 % SPECTRAL MATCH; PGA = 0.071 g



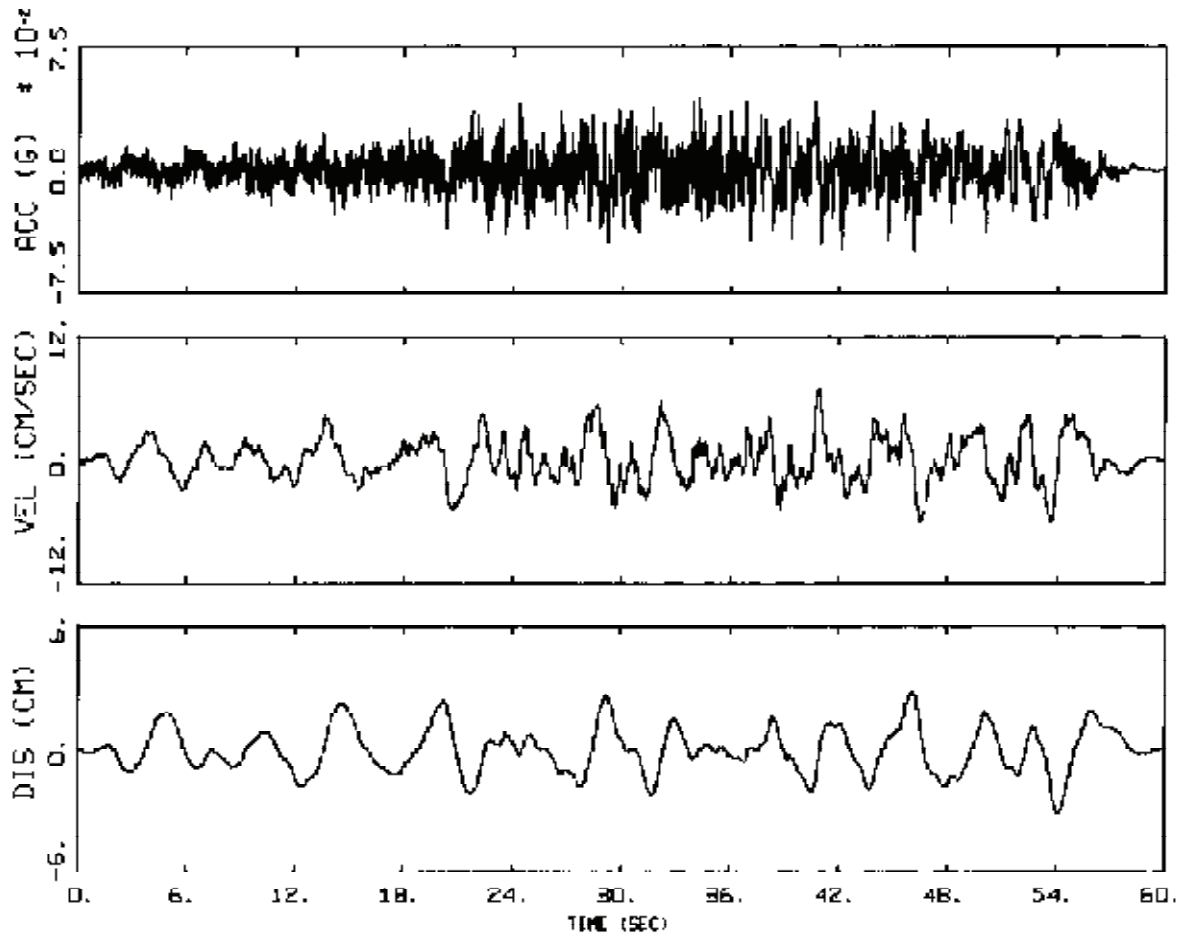
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEALS4&5

LEGEND
 ——— TARGET; PGA = 0.070 g
 - - - - - 5 % SPECTRAL RATIO; PGA = 0.071 g

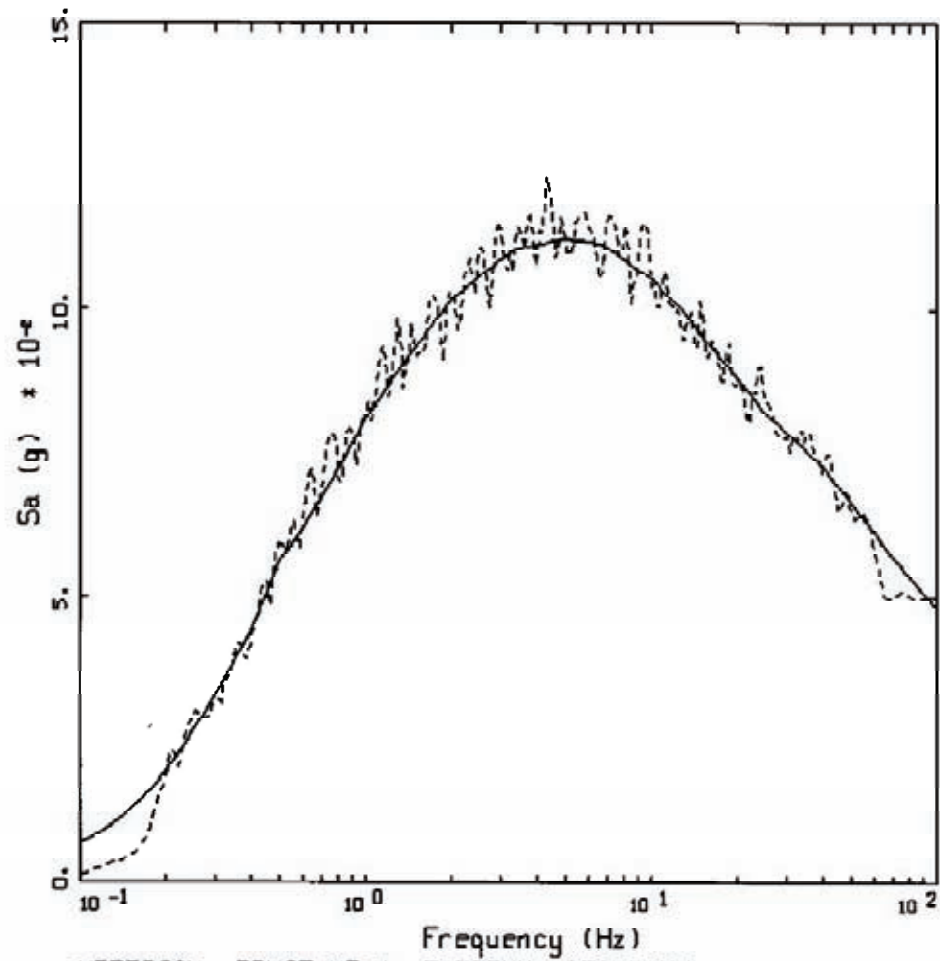


HORIZONTAL Z, BRUCE M7.4, R-300KM, SEALS4&5
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- - - - SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - - - - UNITY / 1.111

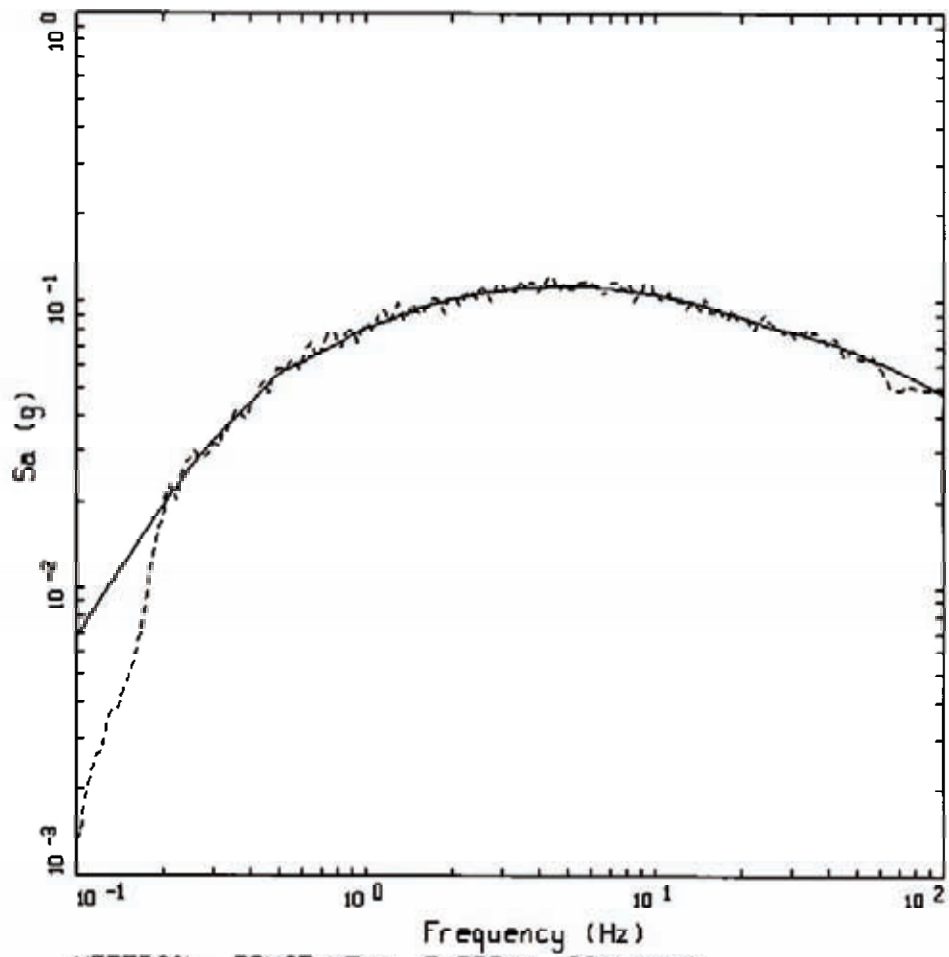


1E-05, VERTICAL
BASELINE CORRECTED, BRUCE M7.4, R-300KM, SEALS485



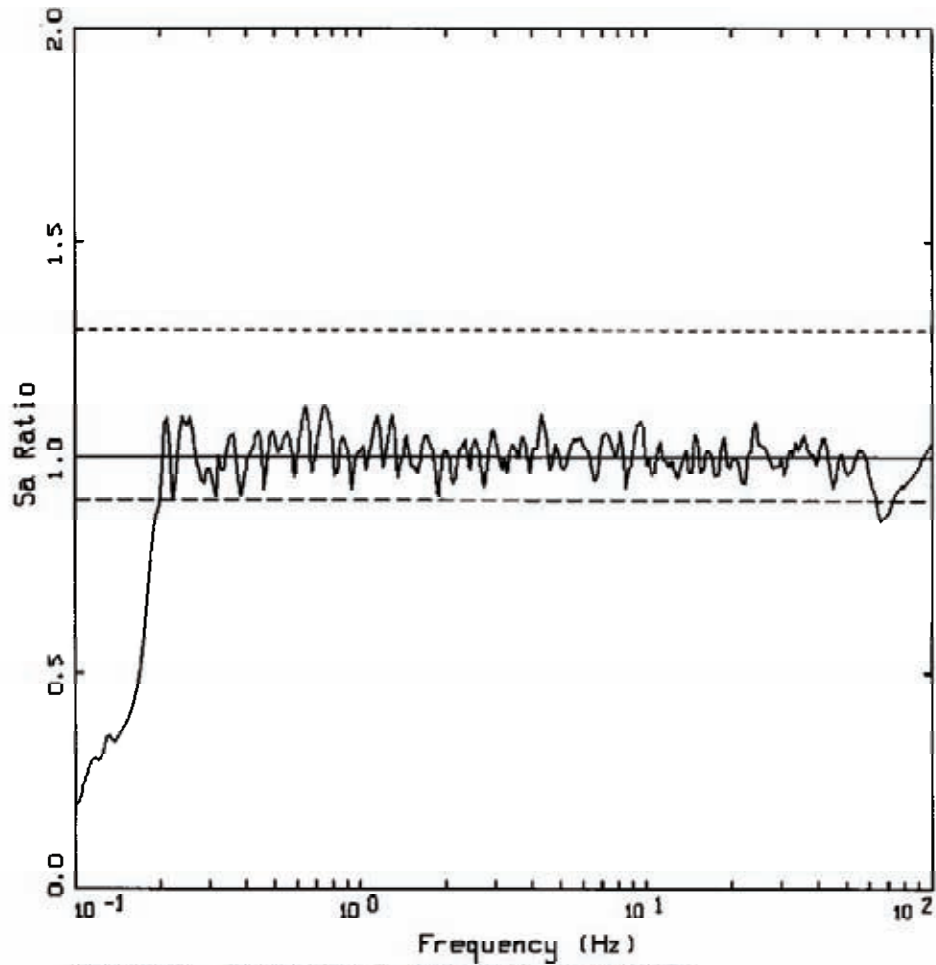
VERTICAL, BRUCE M7.4, R=300KM, SEALS4&5
 BASELINE CORRECTED

LEGEND
 ——— TARGET; PGA = 0.048 g
 - - - - 5 %, SPECTRAL MATCH; PGA = 0.050 g



VERTICAL, BRUCE M7.4, R=300KM, SEALS485
BASELINE CORRECTED

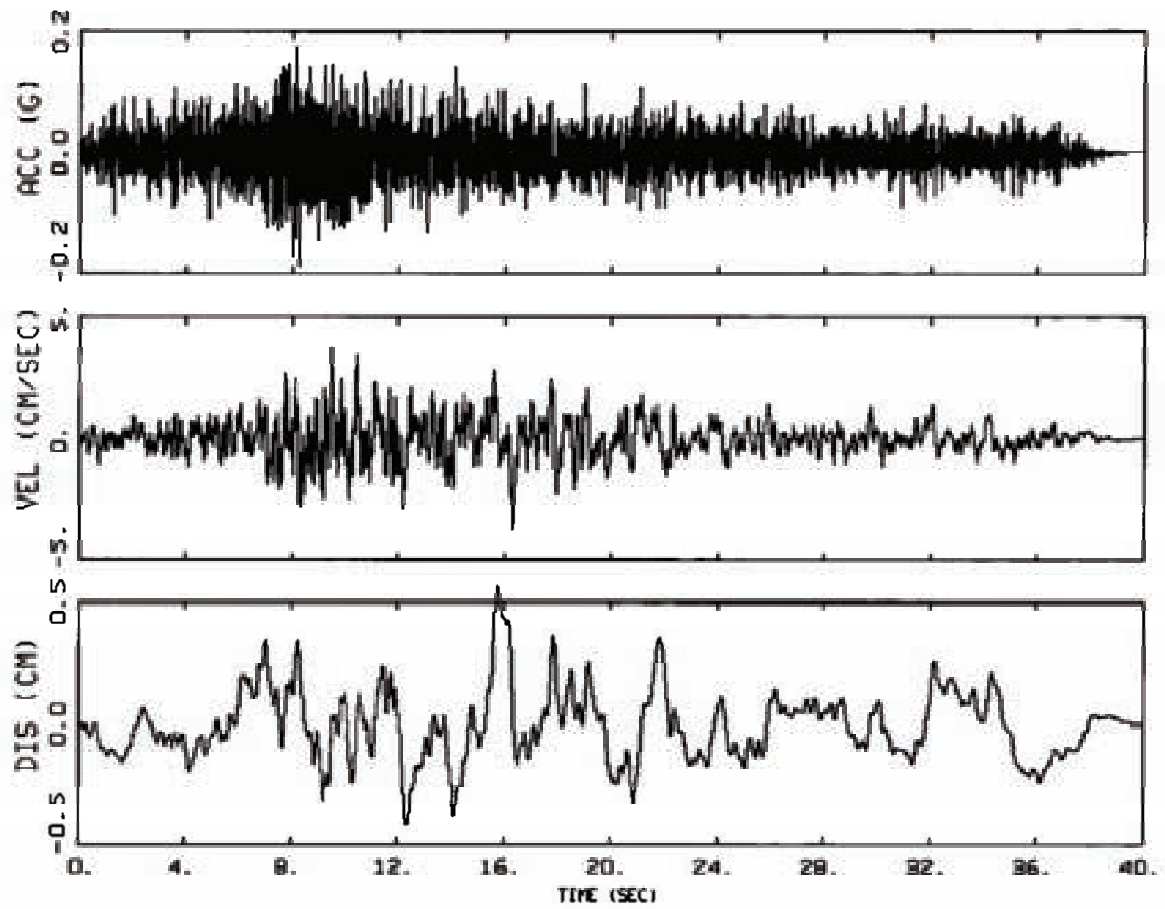
LEGEND
—— TARGET; PGA = 0.048 g
----- 5 %, SPECTRAL MATCH; PGA = 0.050 g



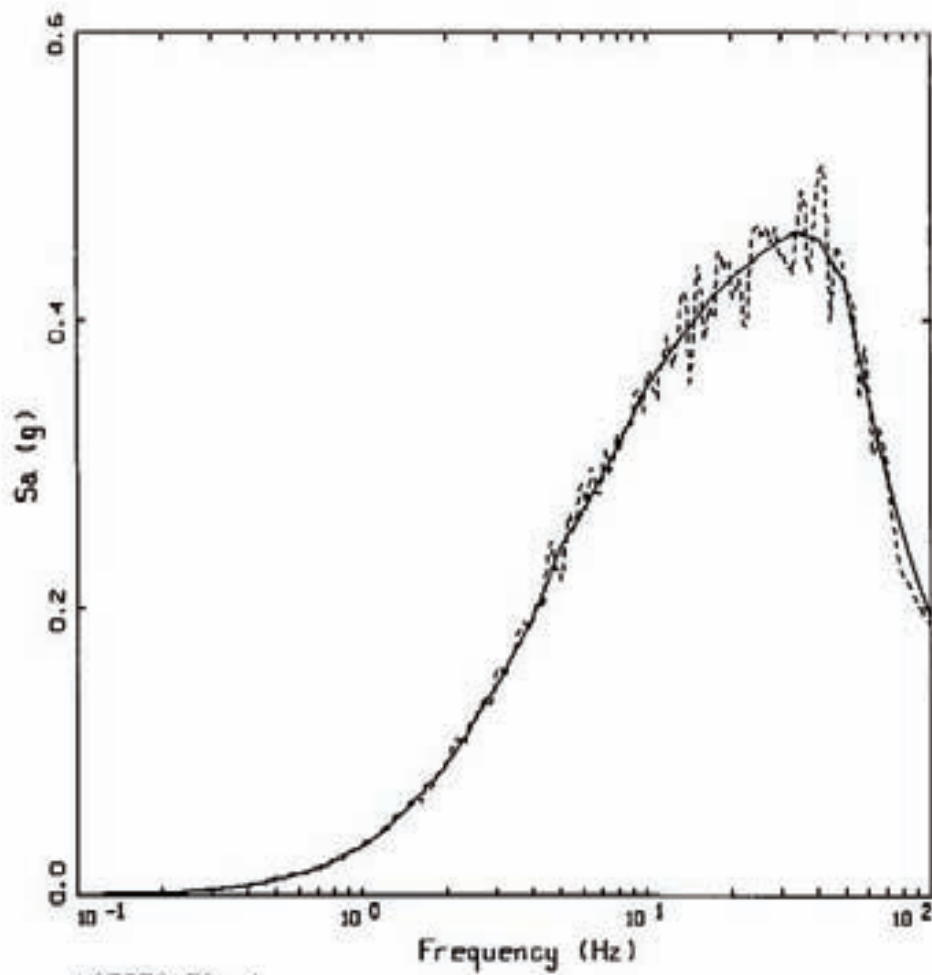
VERTICAL, BRUCE M7.4, R=300KM, SEALS4&5
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - .-.-.- UNITY / 1.111

Figure B4. Acceleration, velocity, displacement time histories, spectral match (linear and log S_a axes), and ratios of target design spectrum to match spectrum, Horizontal (H1 and H2) and vertical components for all three design spectra: Seals 6 and 7, AEF 10^{-5} .

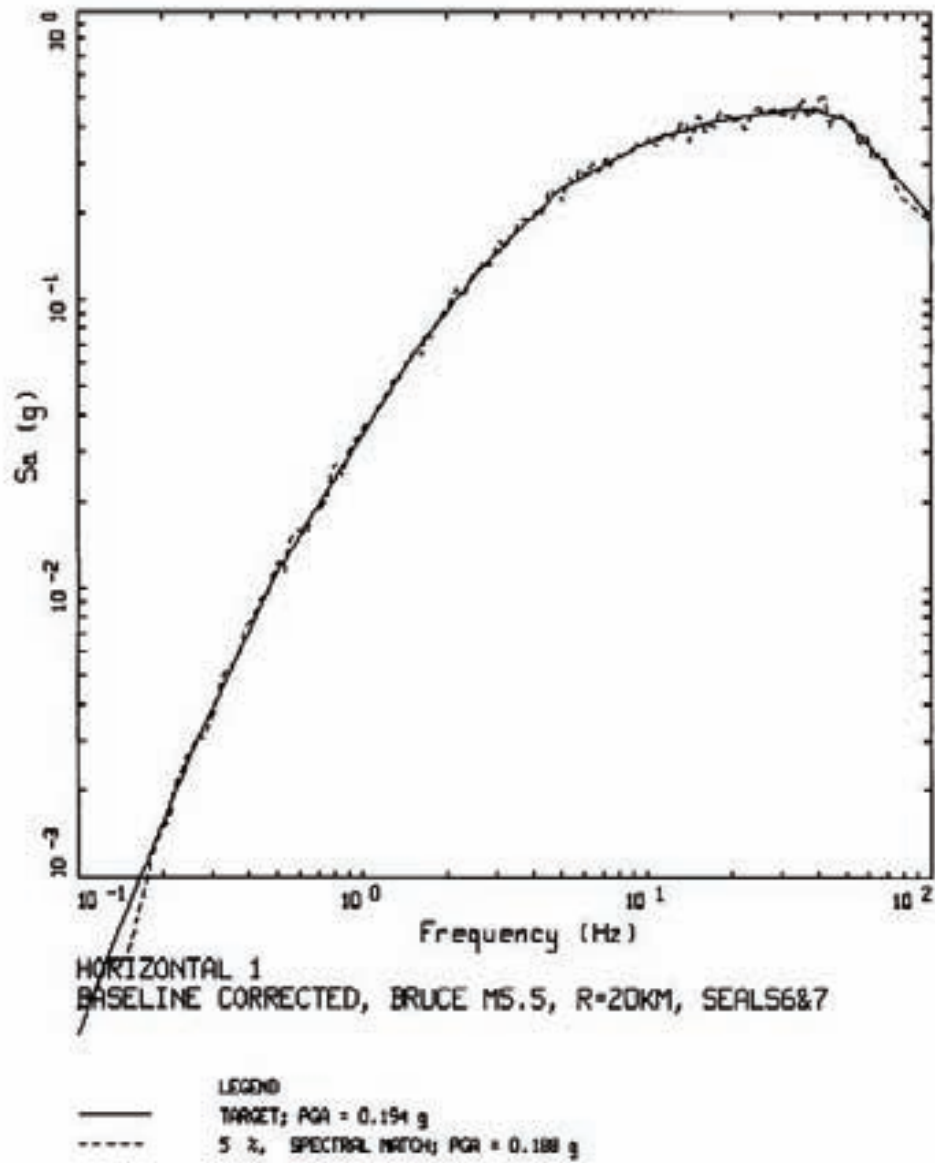


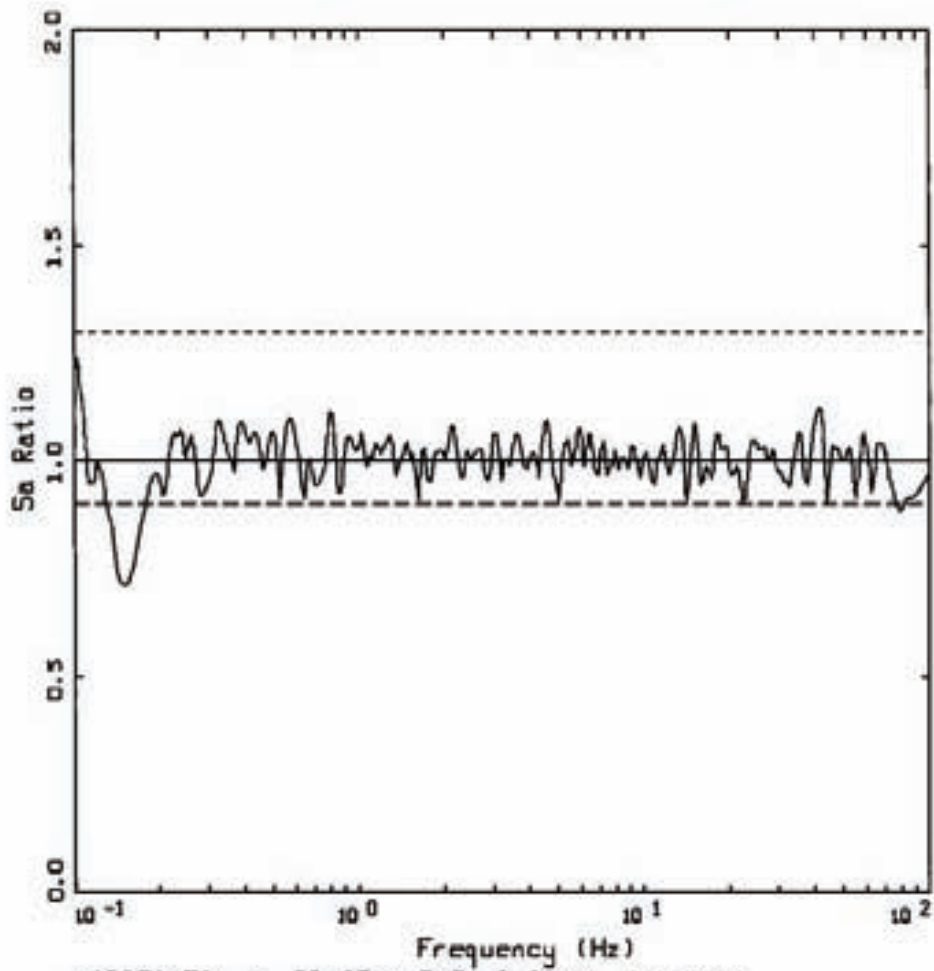
1E-05, HORIZONTAL 1
BASELINE CORRECTED, BRUCE MS.5, R-20KM, SEALS687



HORIZONTAL 1
BASELINE CORRECTED, BRUCE M5.5, R=20KM, SEALS6&7

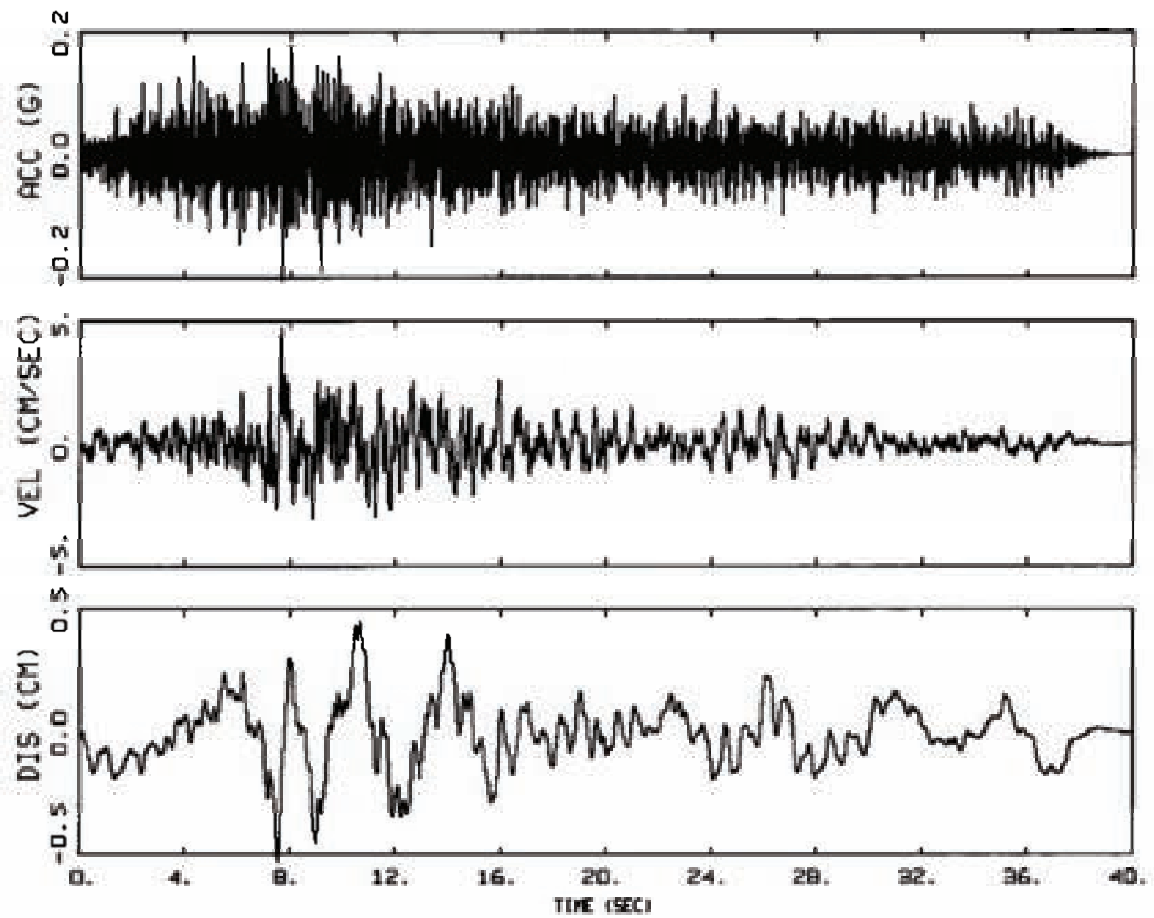
LEGEND
—— TARGET; PGA = 0.194 g
----- 5% SPECTRAL MATCH; PGA = 0.188 g



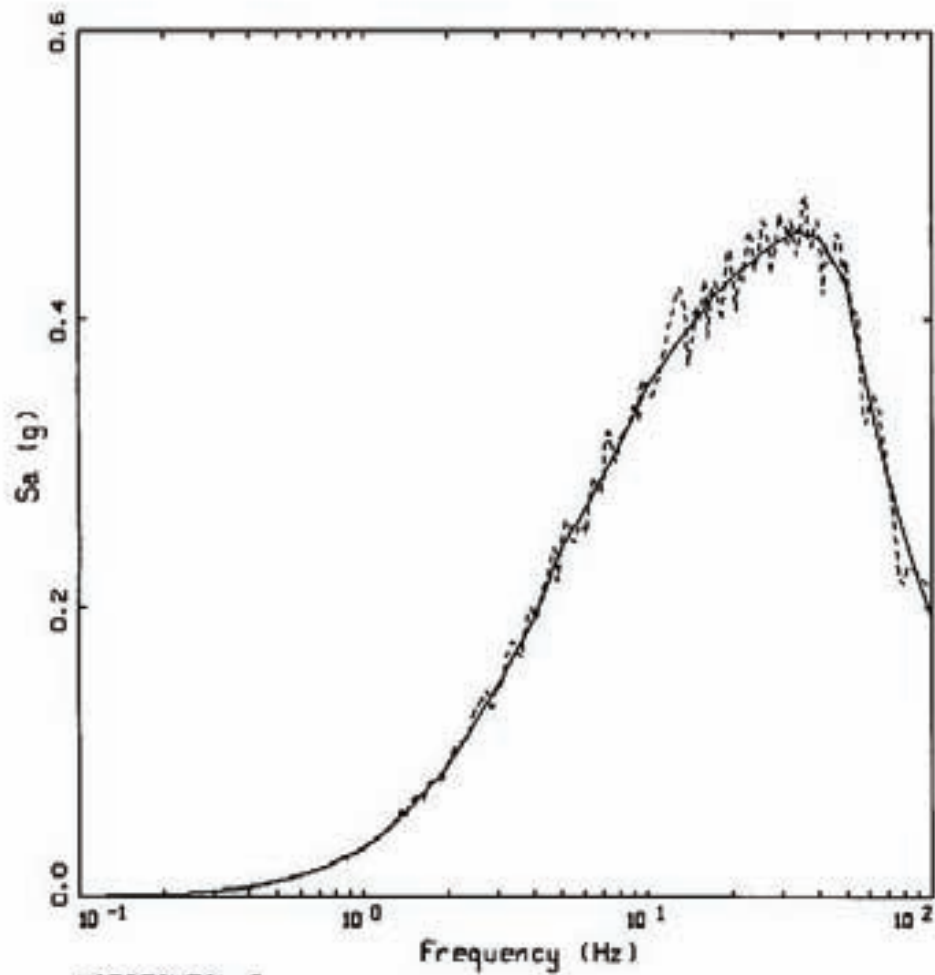


HORIZONTAL 1, BRUCE M=5.5, R=20KM, SEALS6&7
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.31

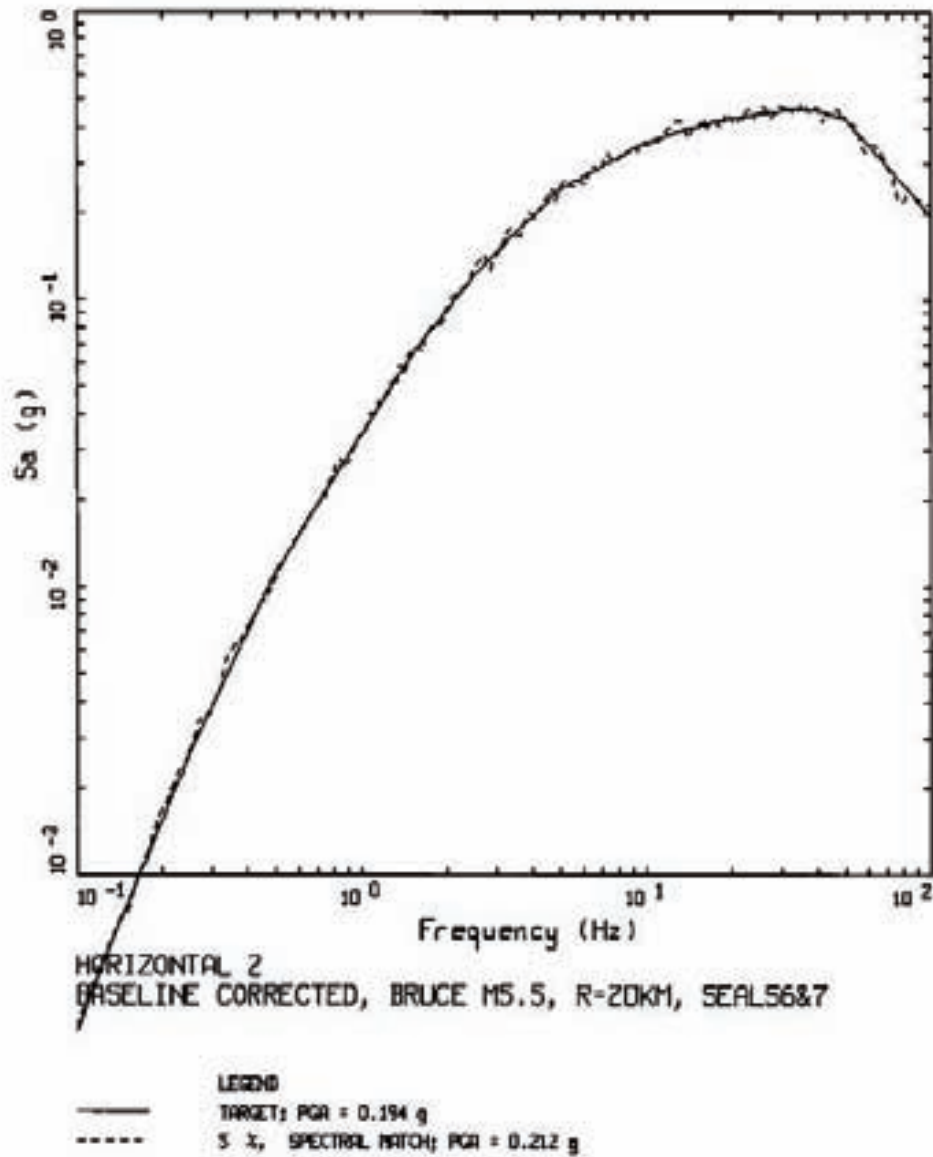


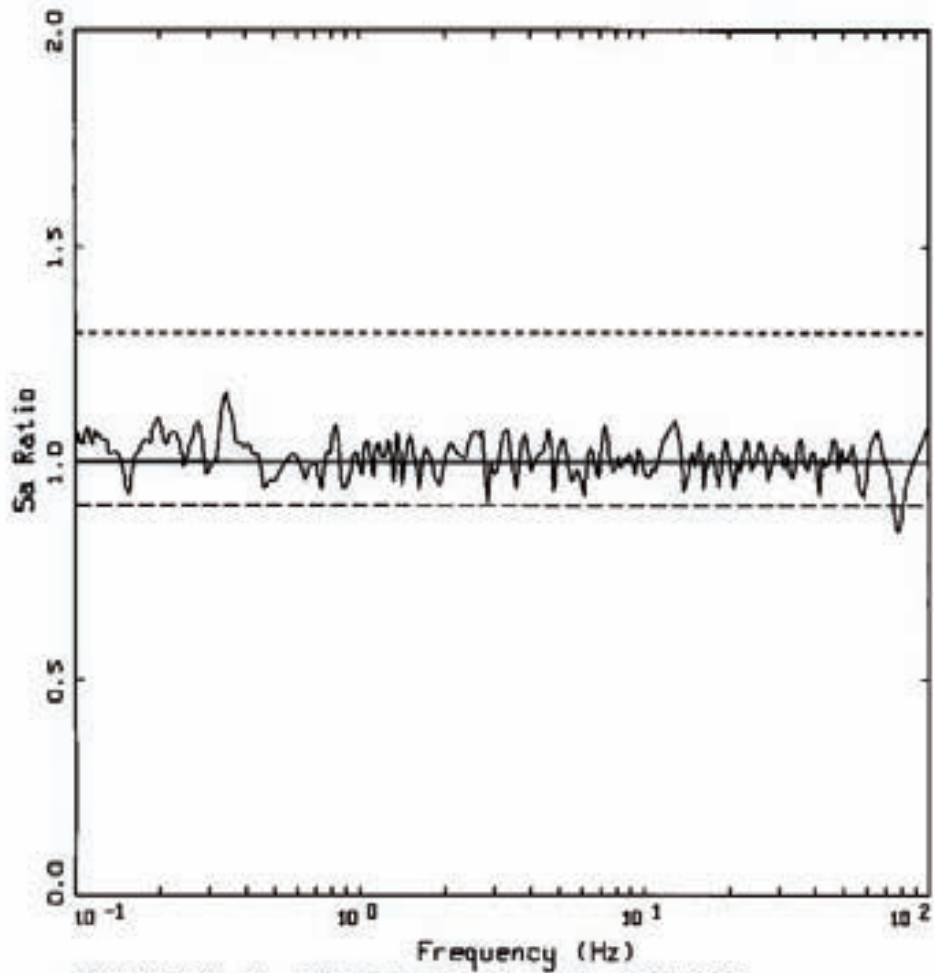
1E-05, HORIZONTAL 2
BASELINE CORRECTED, BRUCE MS.5, R-20KM, SEAL5687



HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M5.5, R=20KM, SEALS6&7

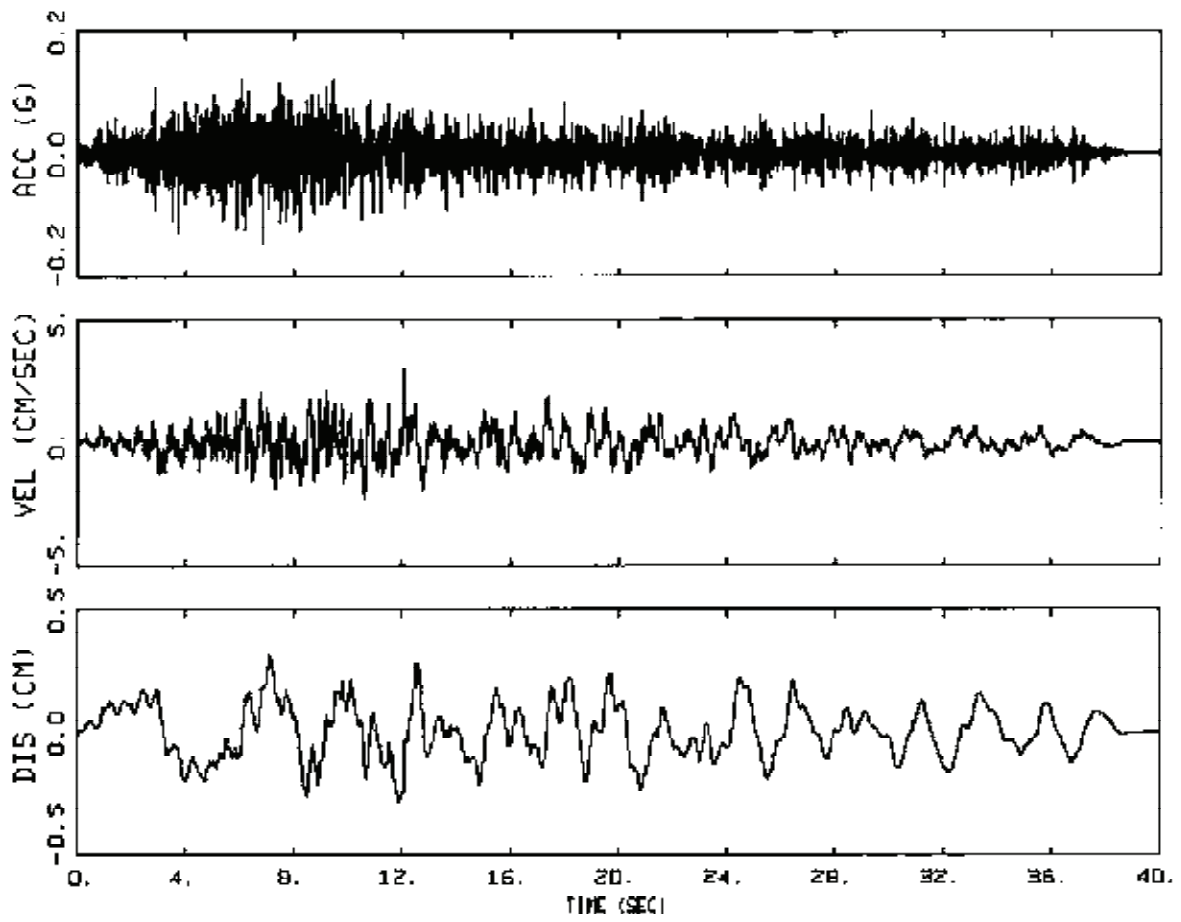
LEGEND
 ——— TARGET; PGA = 0.194 g
 - - - - 5 % SPECTRAL NOTCH; PGA = 0.212 g



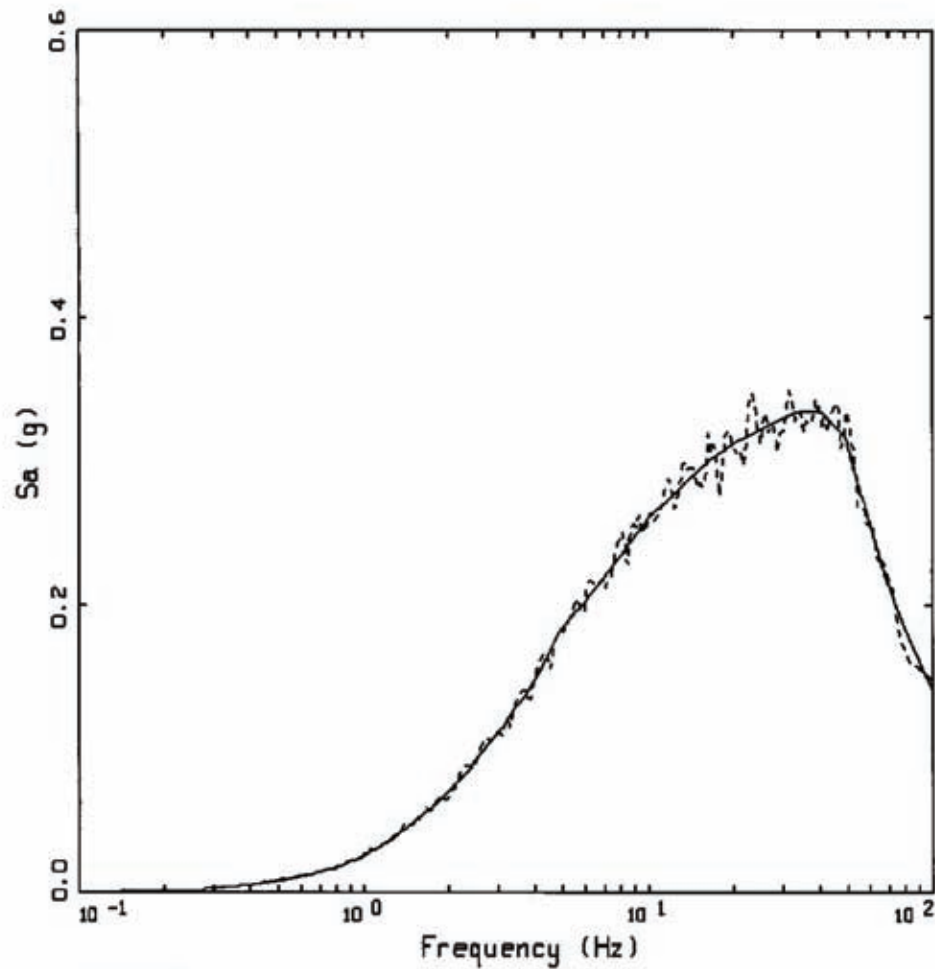


HORIZONTAL 2, BRUCE M=5.5, R=20KM, SEALS6&7
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY * 1.3
 - - - UNITY / 1.111

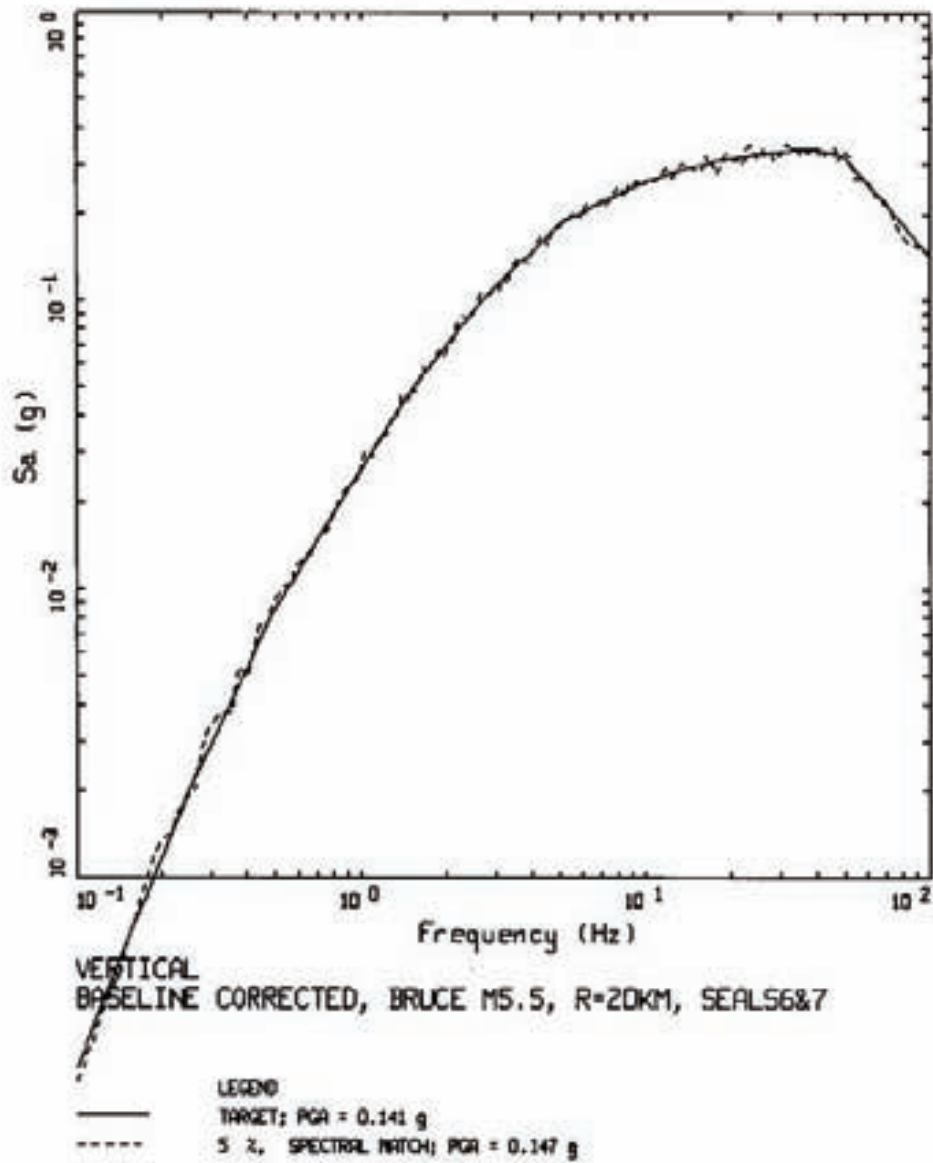


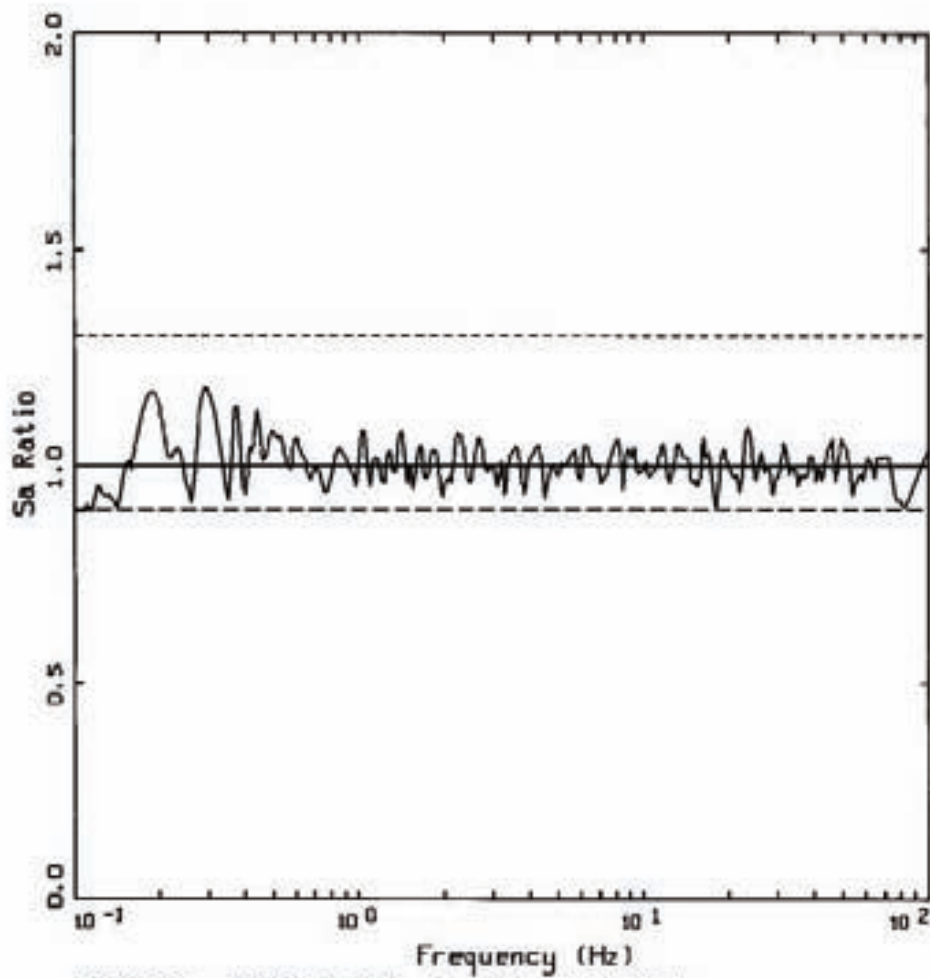
1E-05, VERTICAL
BASELINE CORRECTED, BRUCE M5.5, R=20KM, SEALS6&7



VERTICAL
BASELINE CORRECTED, BRUCE M5.5, R=20KM, SEALS6&7

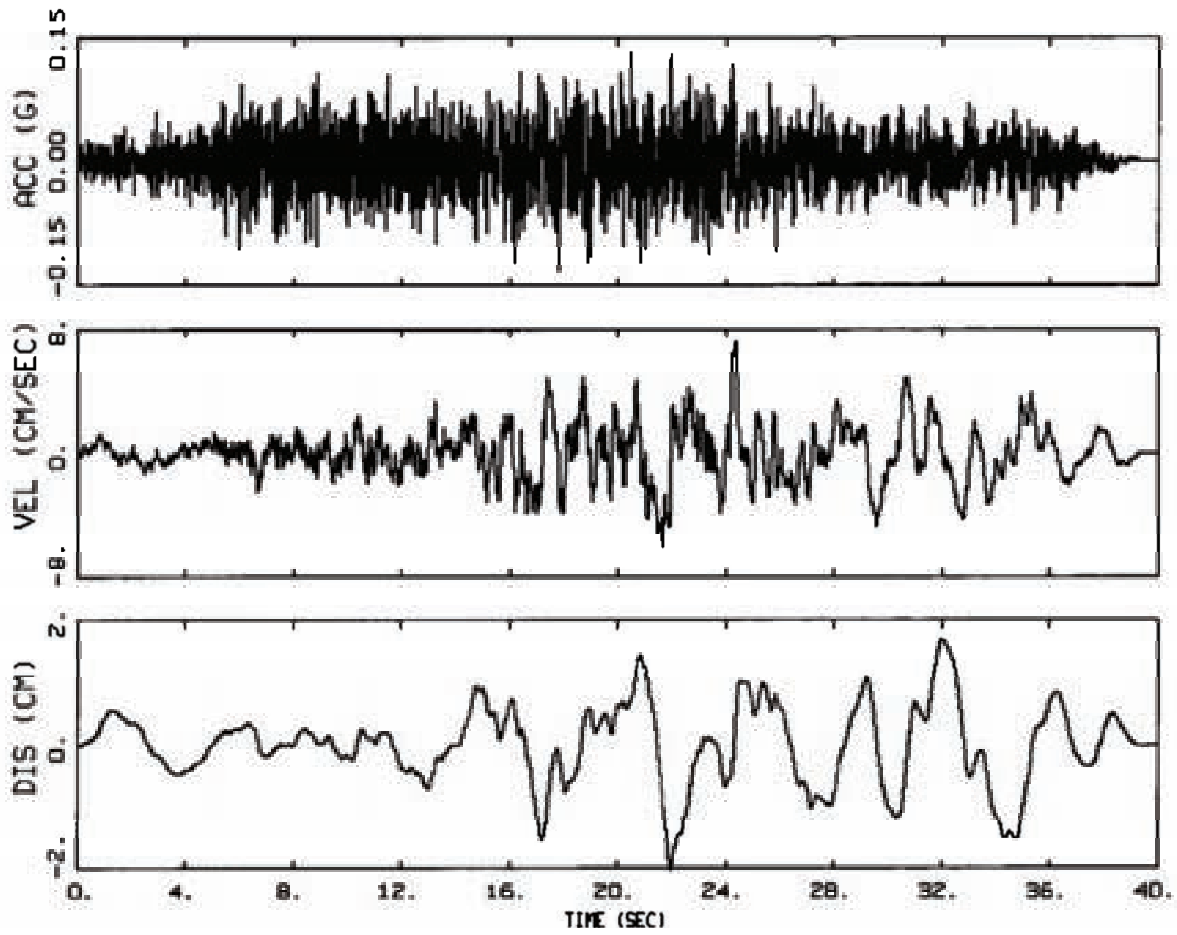
LEGEND
—— TARGET; PGA = 0.141 g
----- 5 %, SPECTRAL MATCH; PGA = 0.147 g



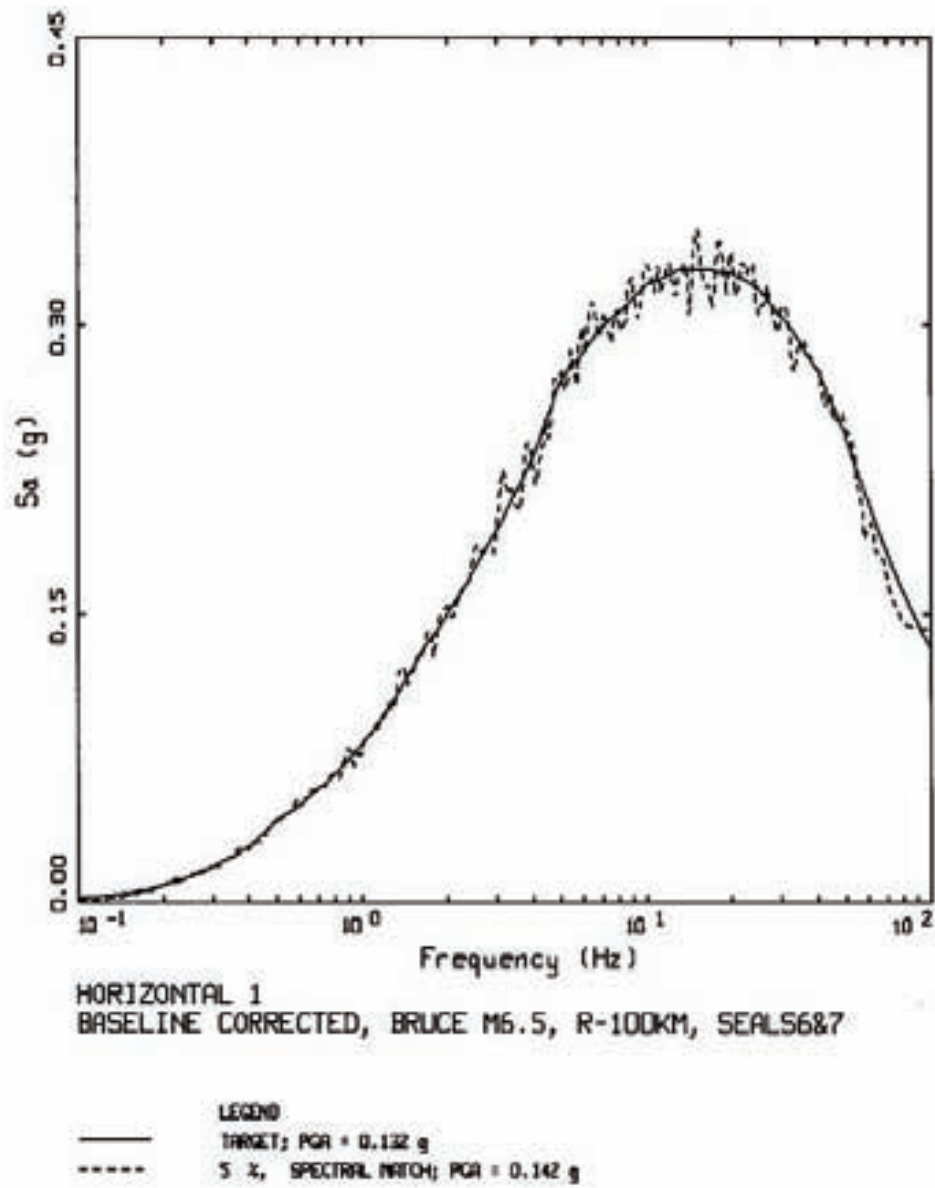


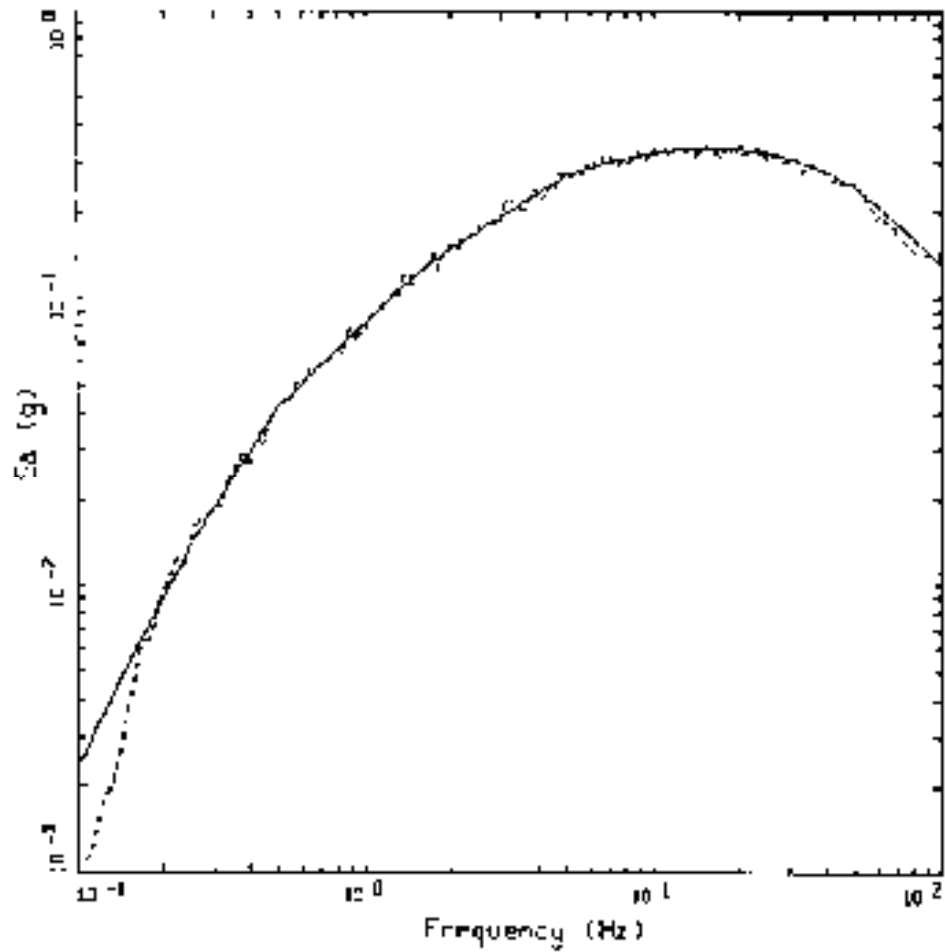
VERTICAL, BRUCE M=5.5, R=20KM, SEALS6&7
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111



1E-05, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEALS6&7



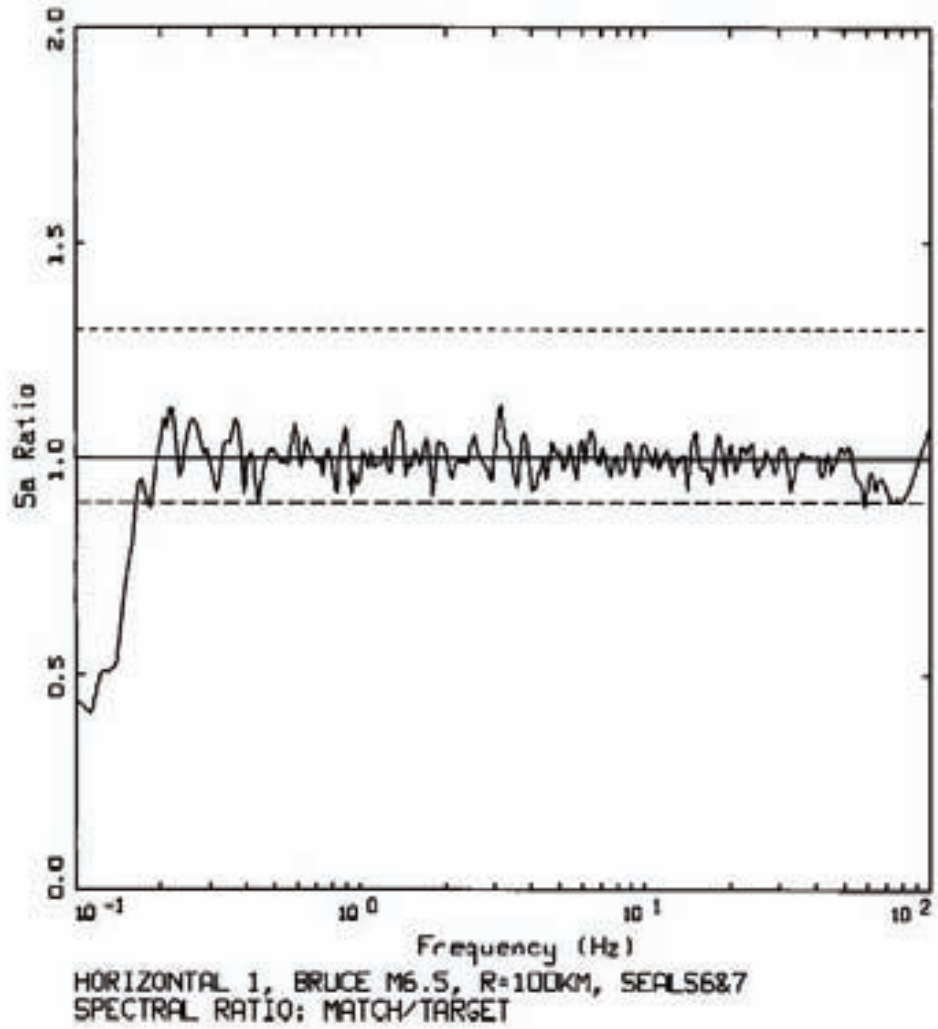


HORIZONTAL 1, BRUCE M6.5, R=100KM, SEALS6&7
BASELINE CORRECTED

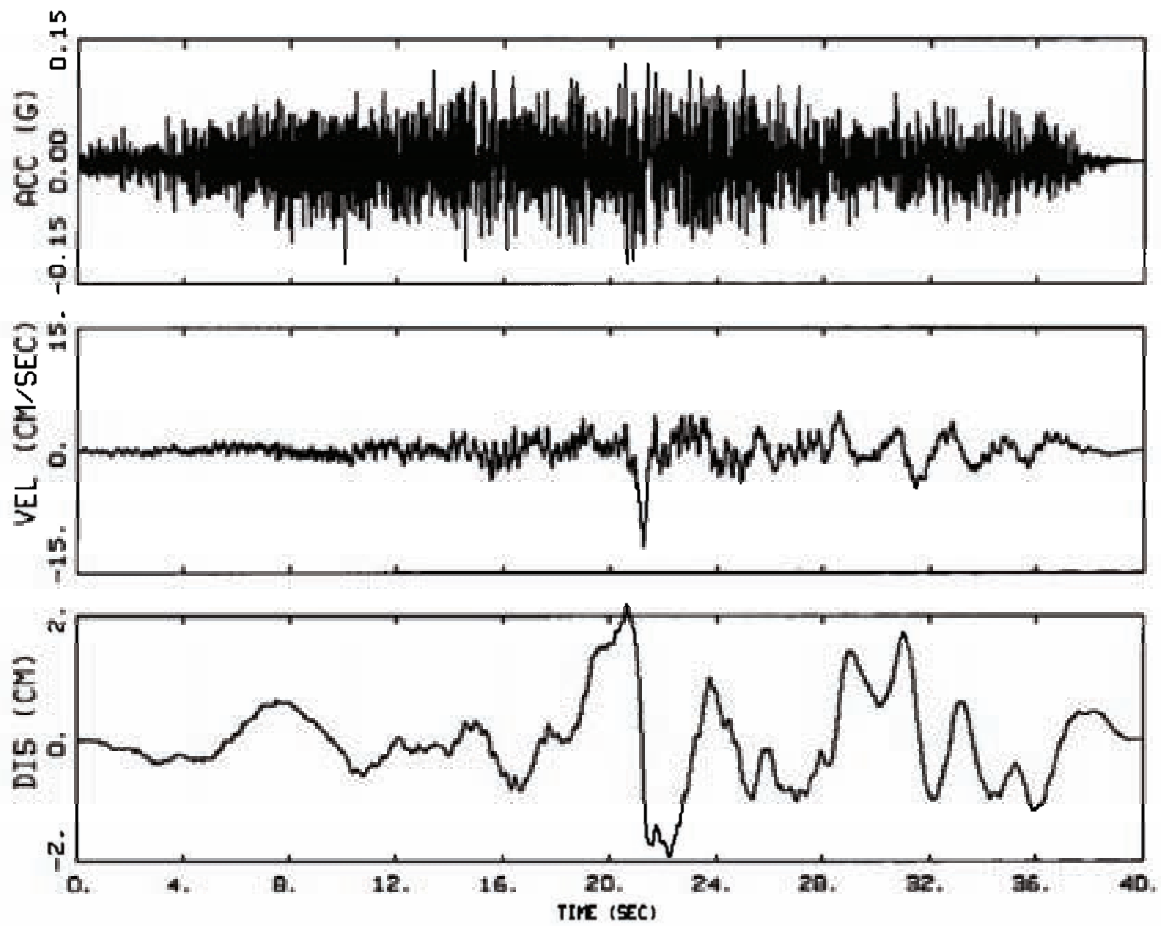
LEGEND

1 TARGET; PGA = 0.132 g

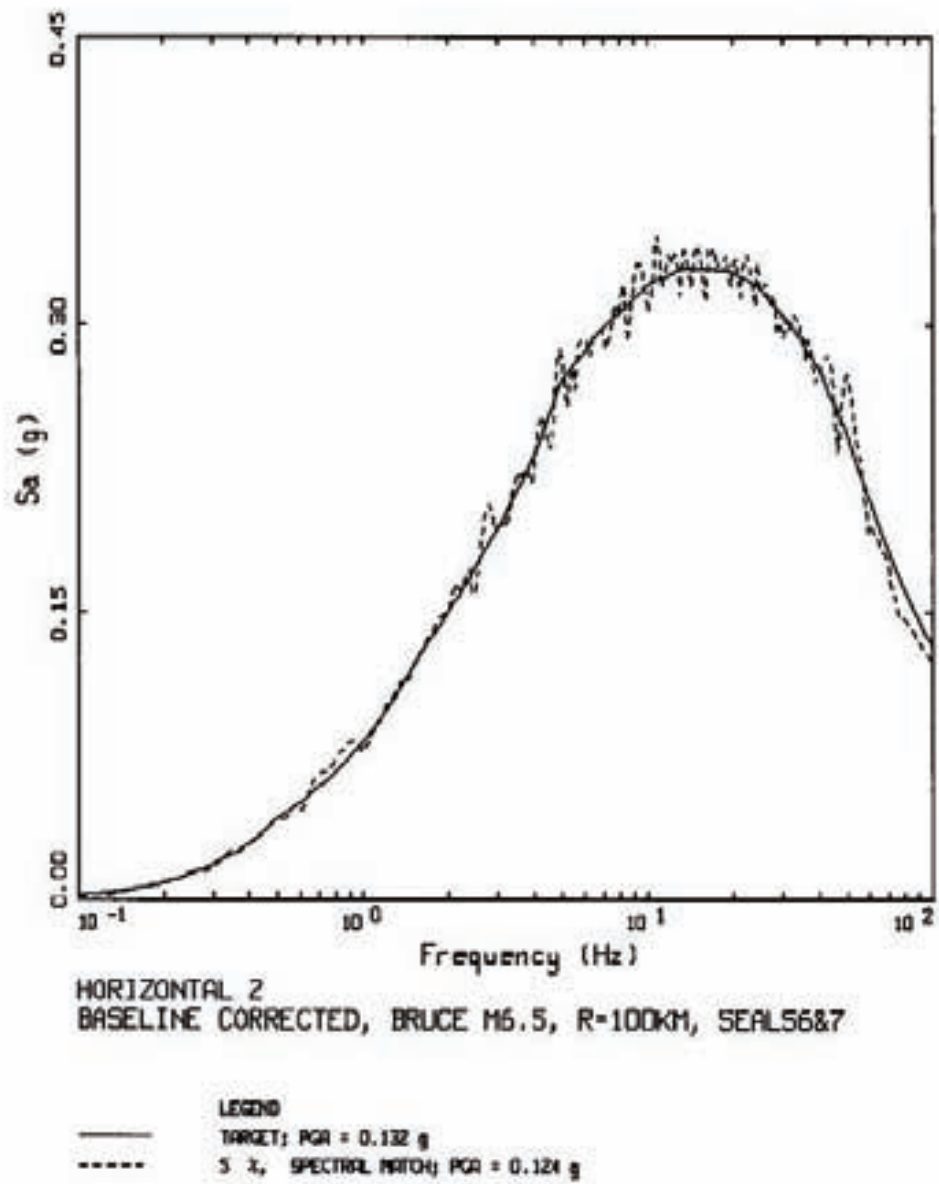
2 2. SPECTRAL MATCH; PGA = 0.147 g

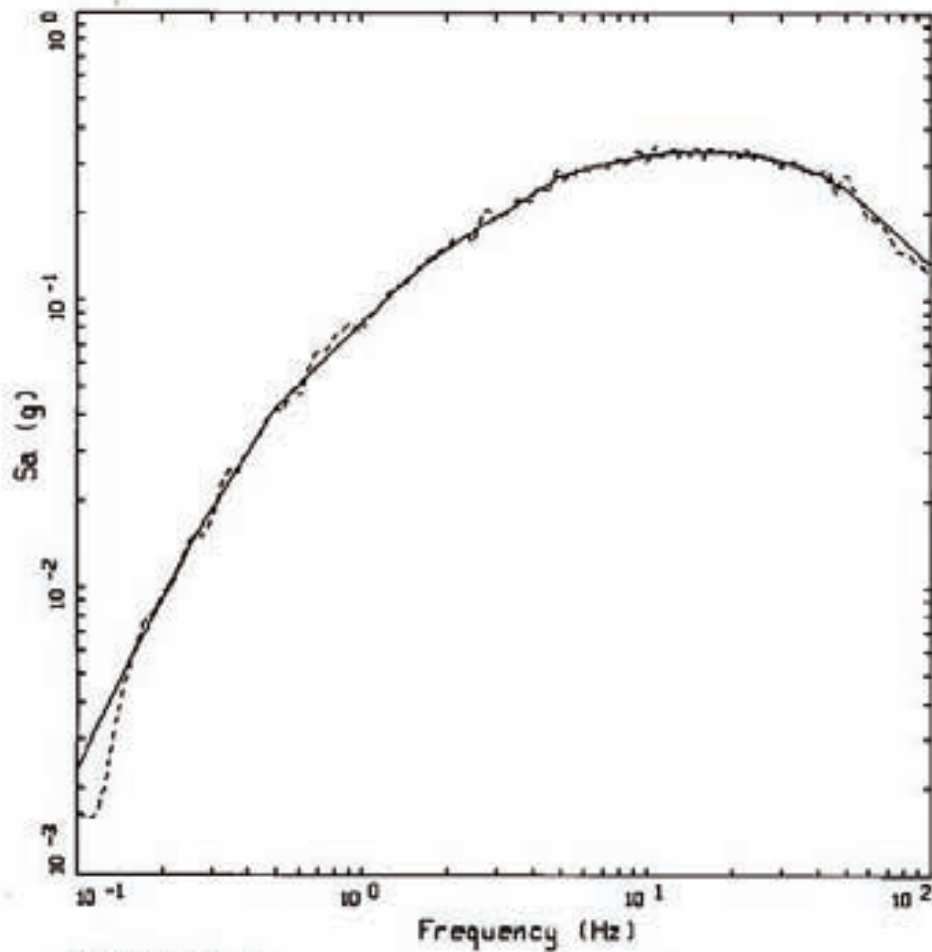


- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111



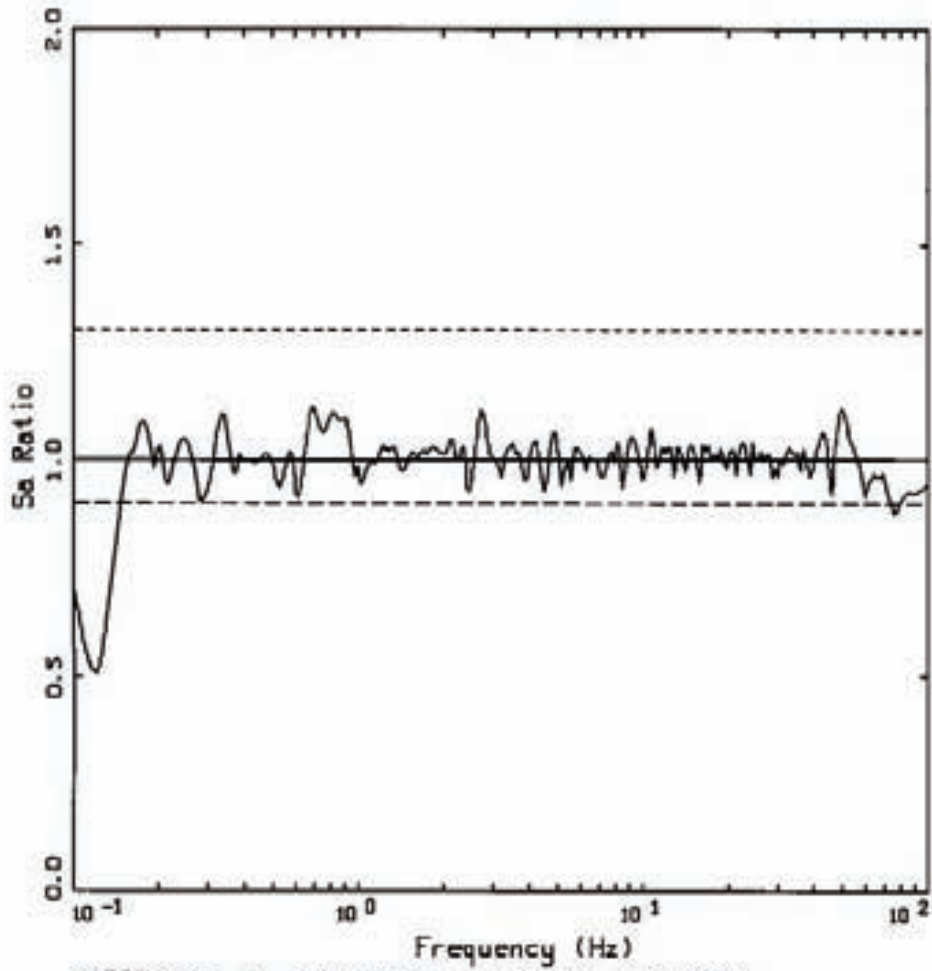
1E-05, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEALS687





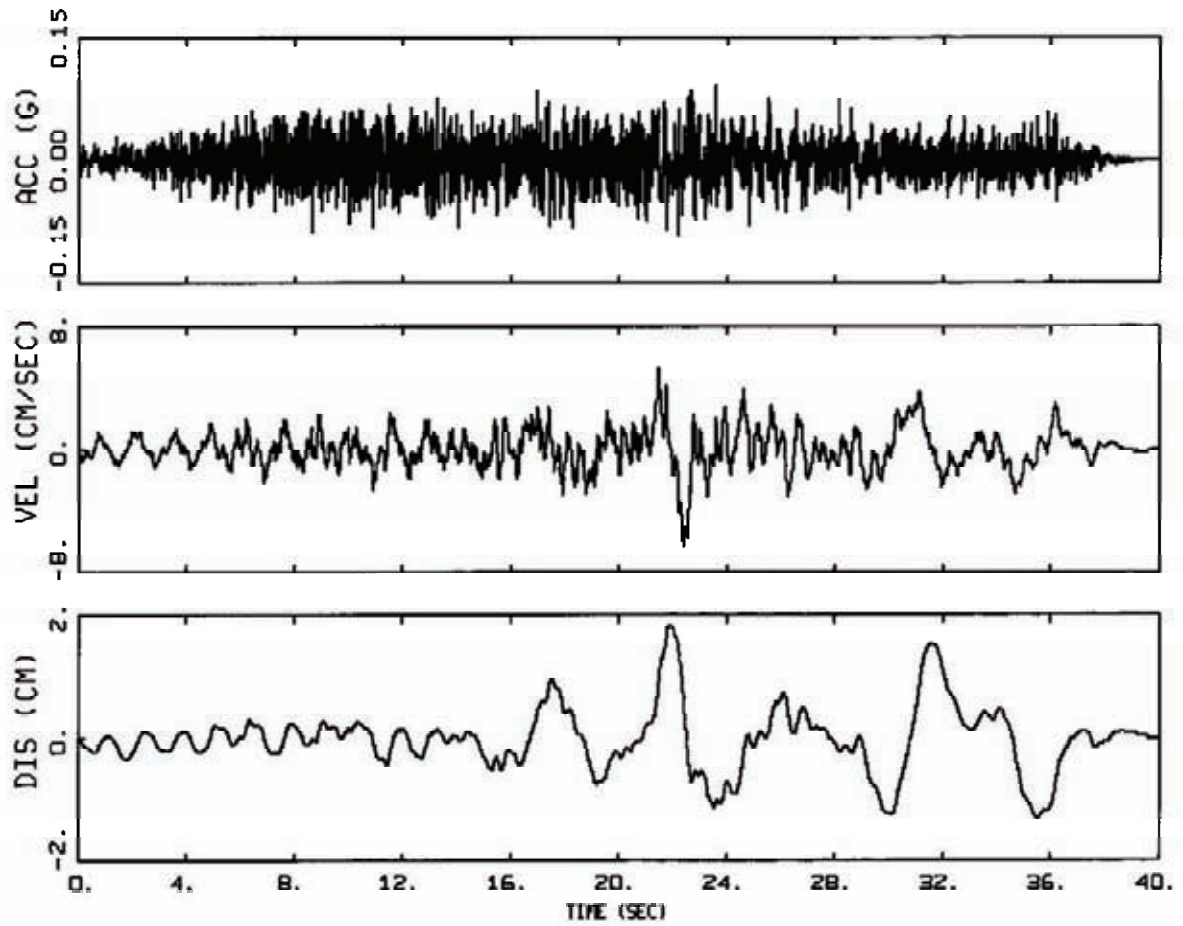
HORIZONTAL 2
BASELINE CORRECTED, BRUCE M6.5, R-100KM, SEALS6&7

LEGEND
—— TARGET; PGA = 0.132 g
- - - 5 % SPECTRAL RATIO; PGA = 0.124 g

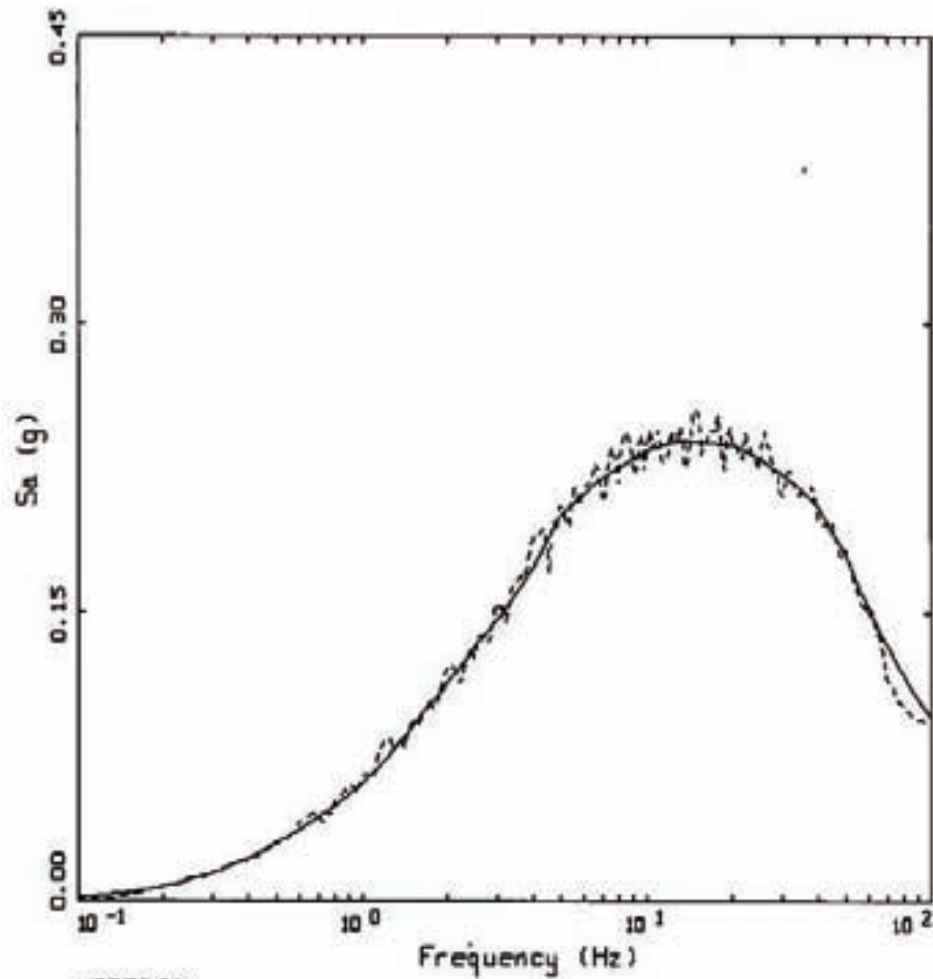


HORIZONTAL Z, BRUCE M6.5, R=100KM, SEALS6&7
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111

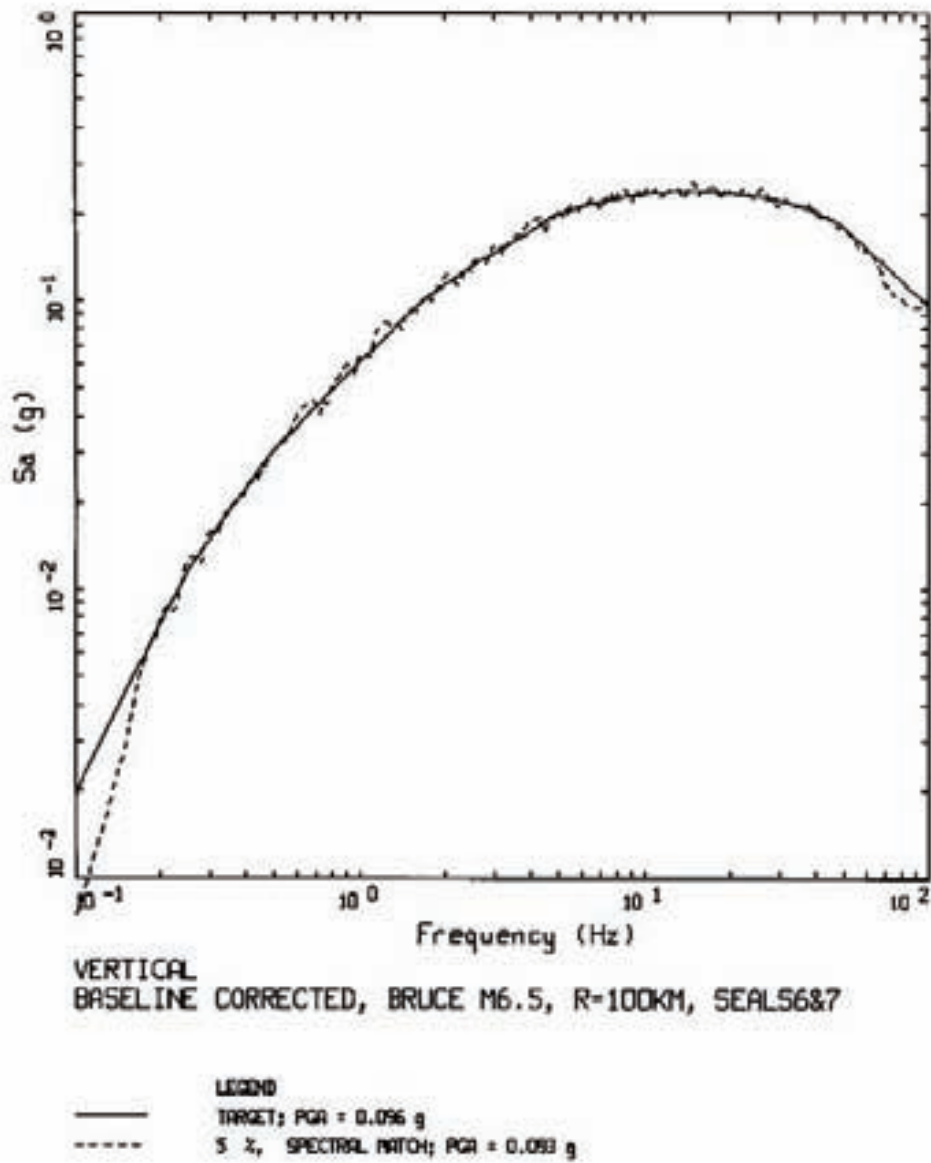


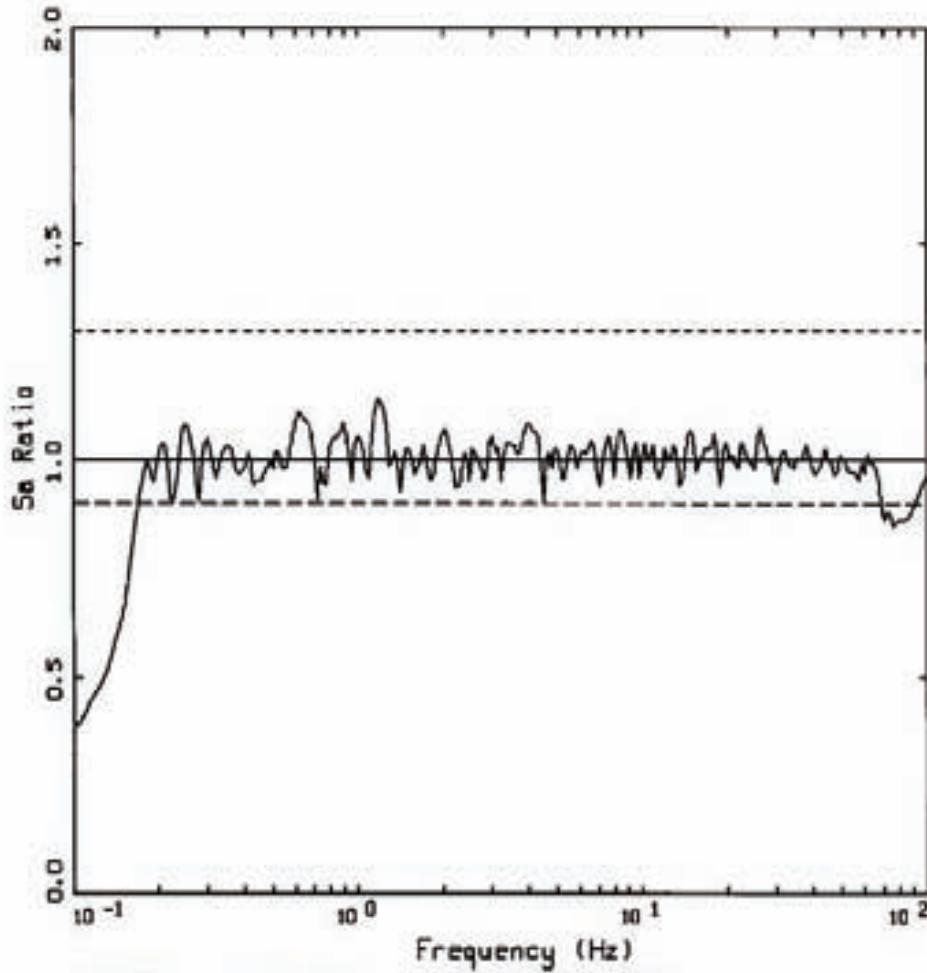
1E-05, VERTICAL
BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEALS6&7



VERTICAL
 BASELINE CORRECTED, BRUCE M6.5, R=100KM, SEALS6&7

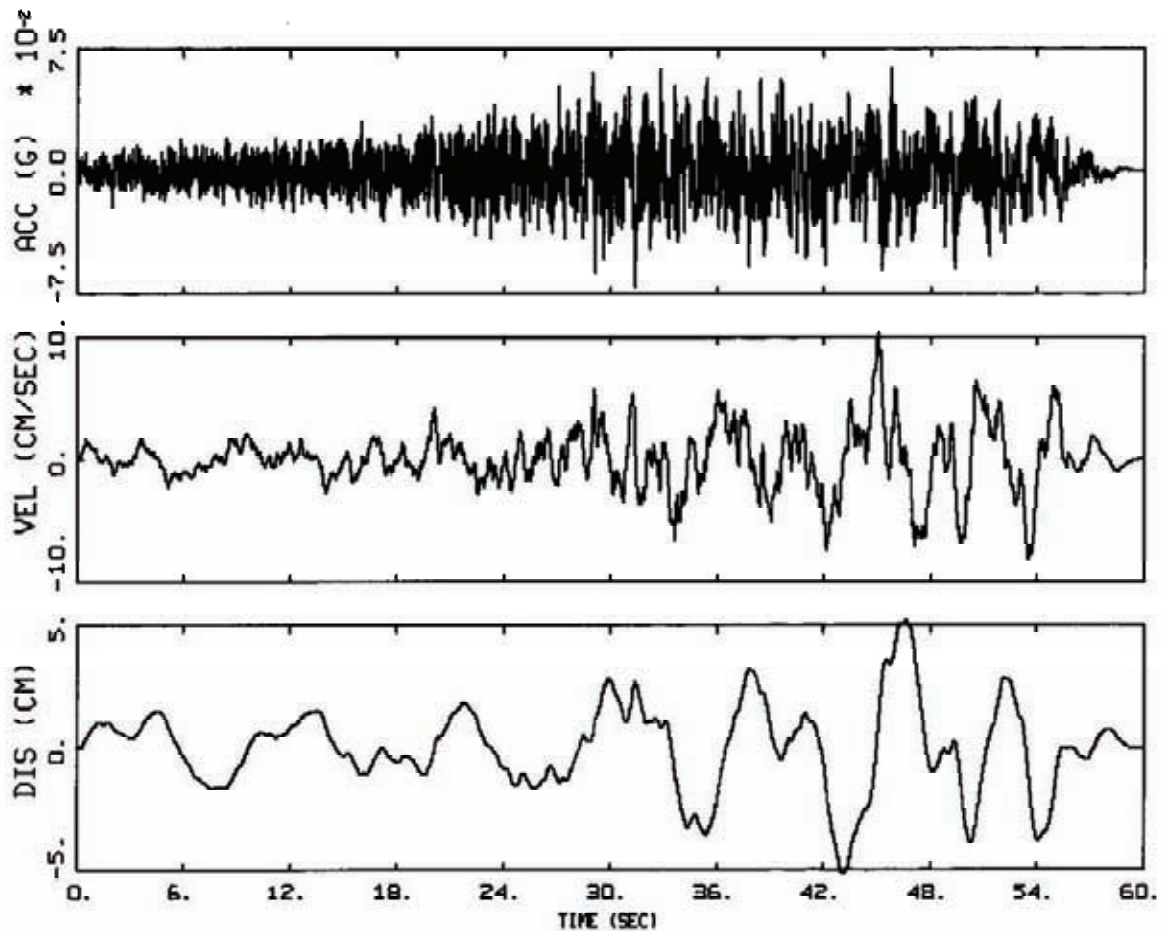
LEGEND
 ——— TARGET; PGA = 0.096 g
 - - - - - 5 % SPECTRAL MATCH; PGA = 0.093 g



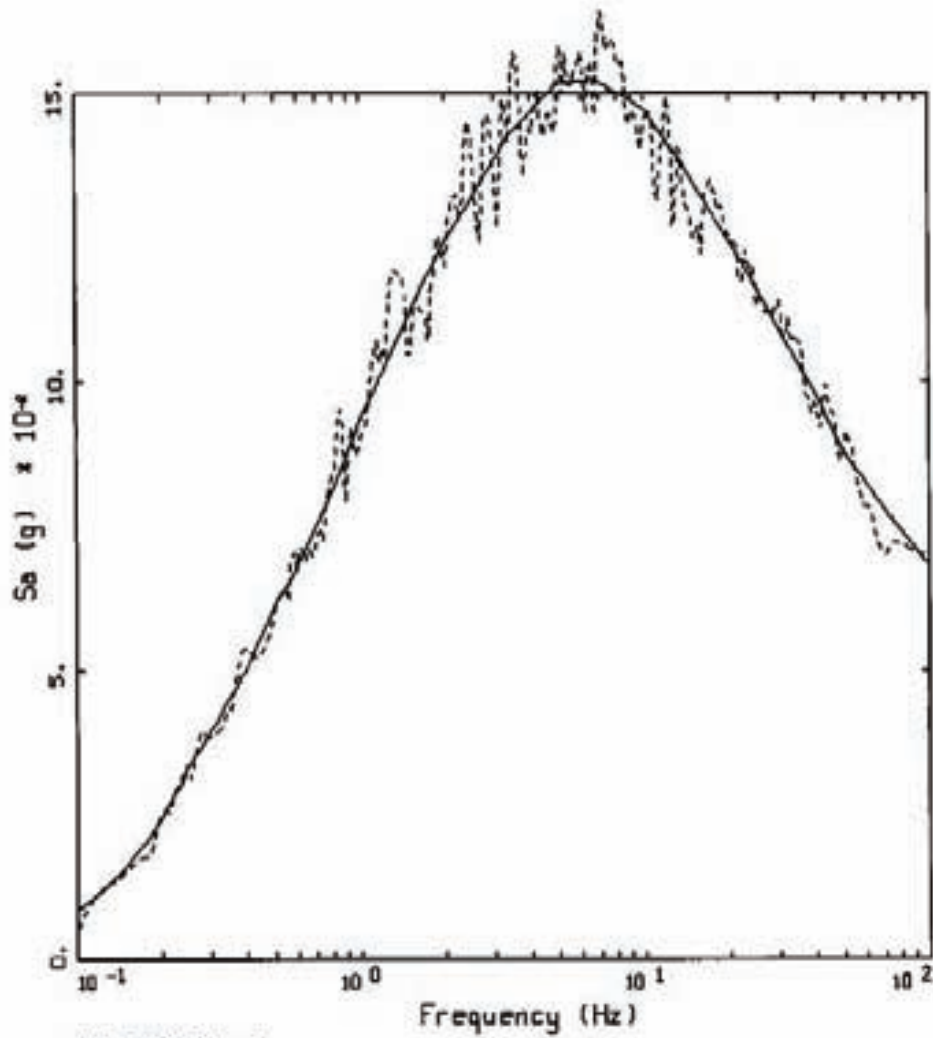


VERTICAL, BRUCE M6.5, R=100KM, SEALS6&7
SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY * 1.3
 - - - UNITY / 1.111

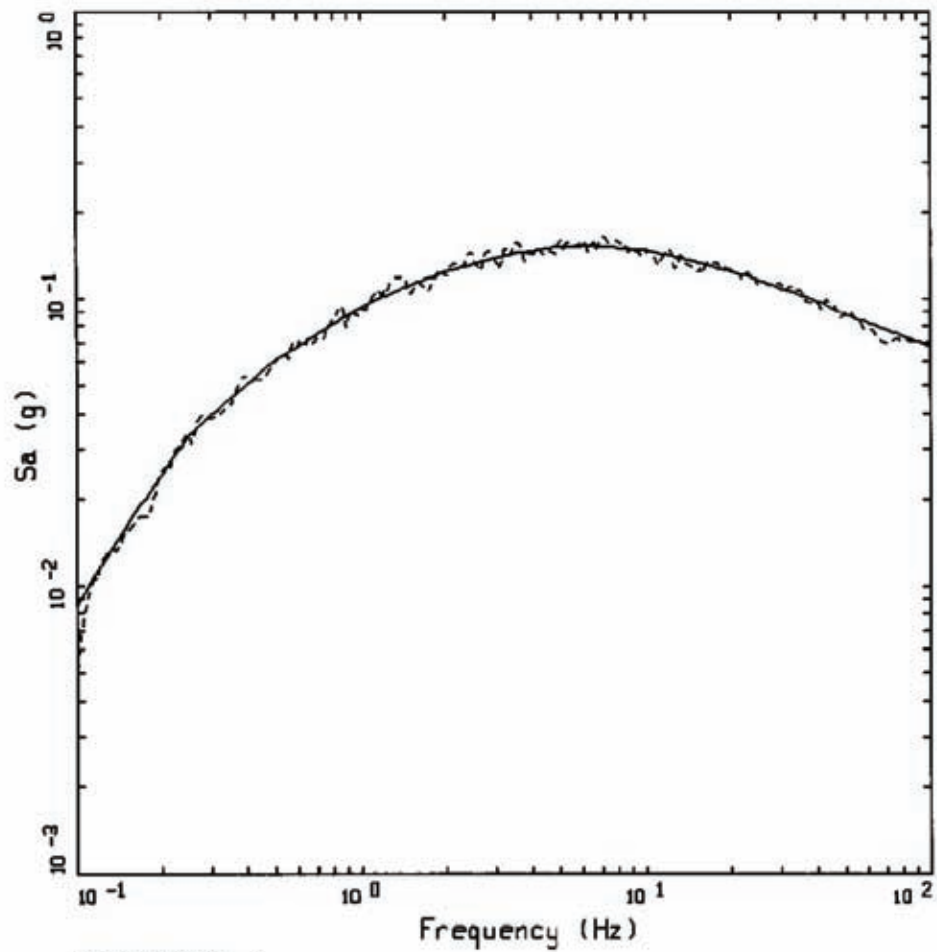


1E-05, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEALS6&7



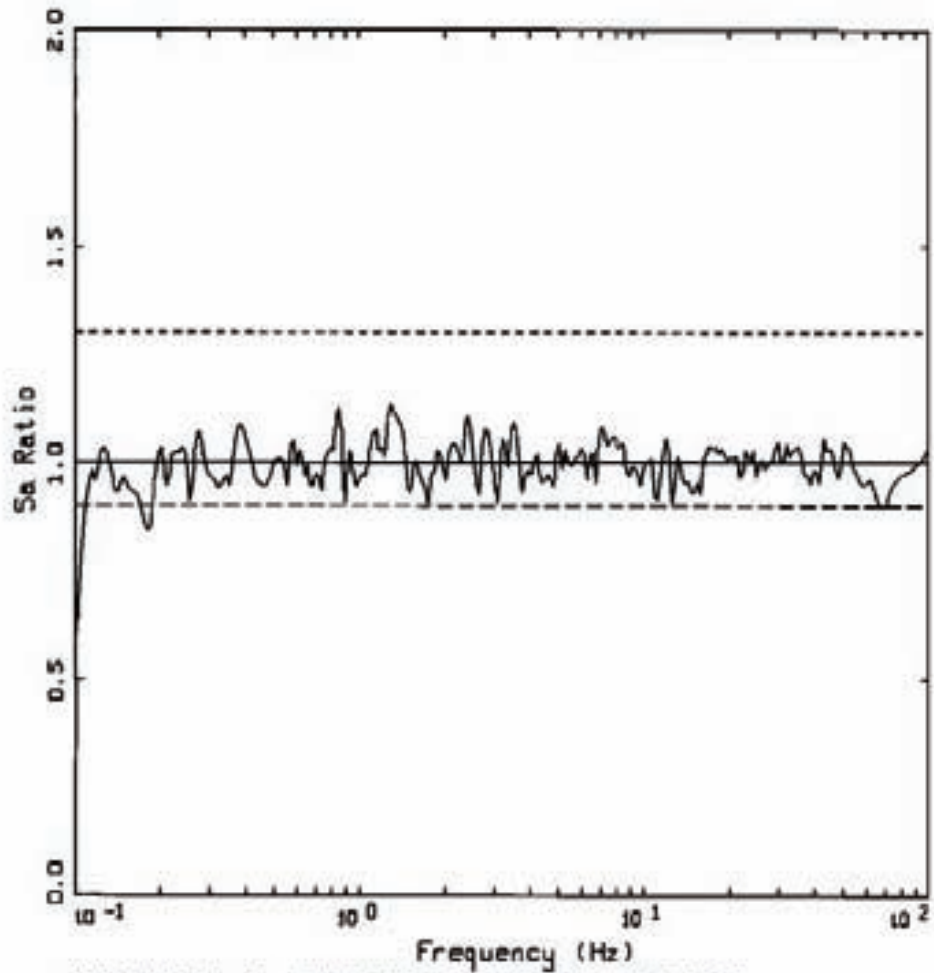
HORIZONTAL 1
BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEALS6&7

LEGEND
—— TARGET: PGA = 0.068 g
----- 5 %, SPECTRAL RATIO; PGA = 0.071 g

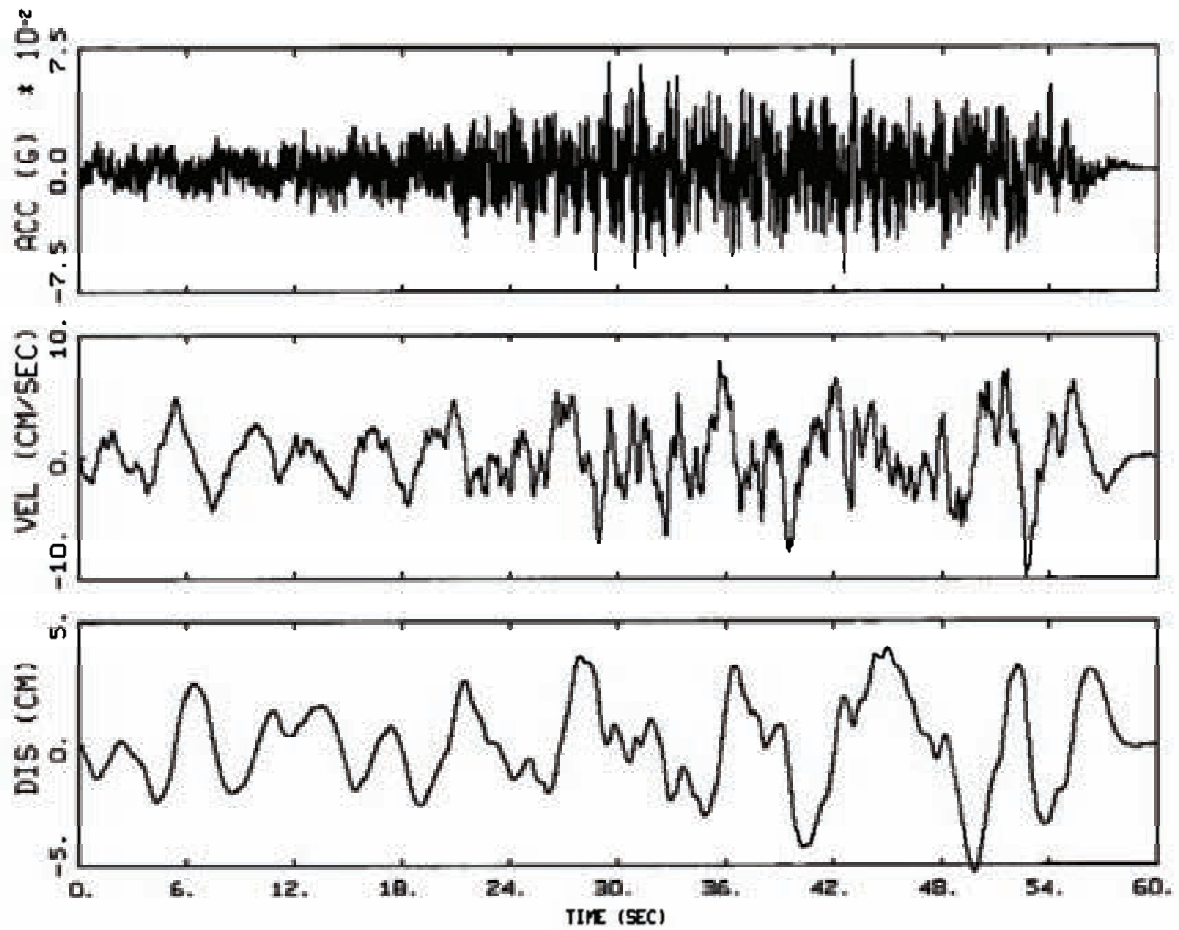


HORIZONTAL 1
BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEALS6&7

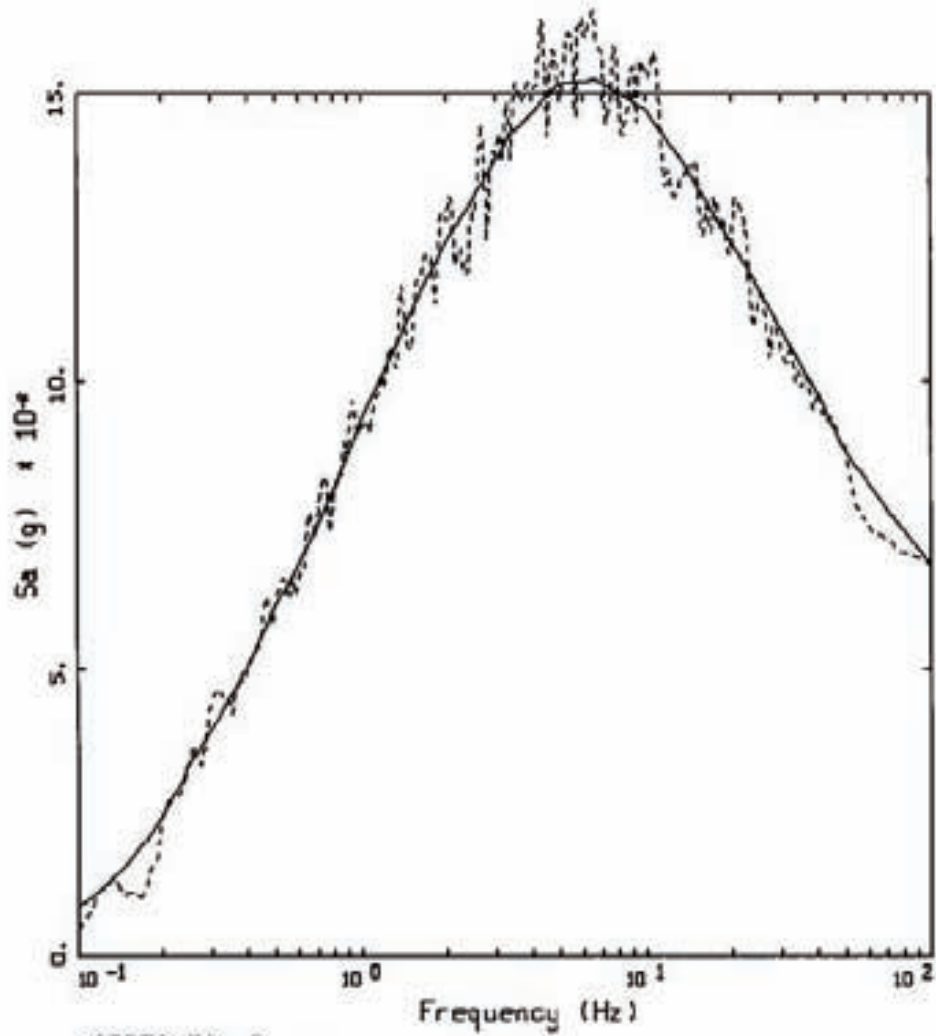
LEGEND
—— TARGET; PGA = 0.068 g
----- 5 %, SPECTRAL MATCH; PGA = 0.071 g



_____ SA RATIO: MATCH/TARGET
 _____ UNITY
 - - - - - UNITY * 1.3
 - - - - - UNITY / 1.111

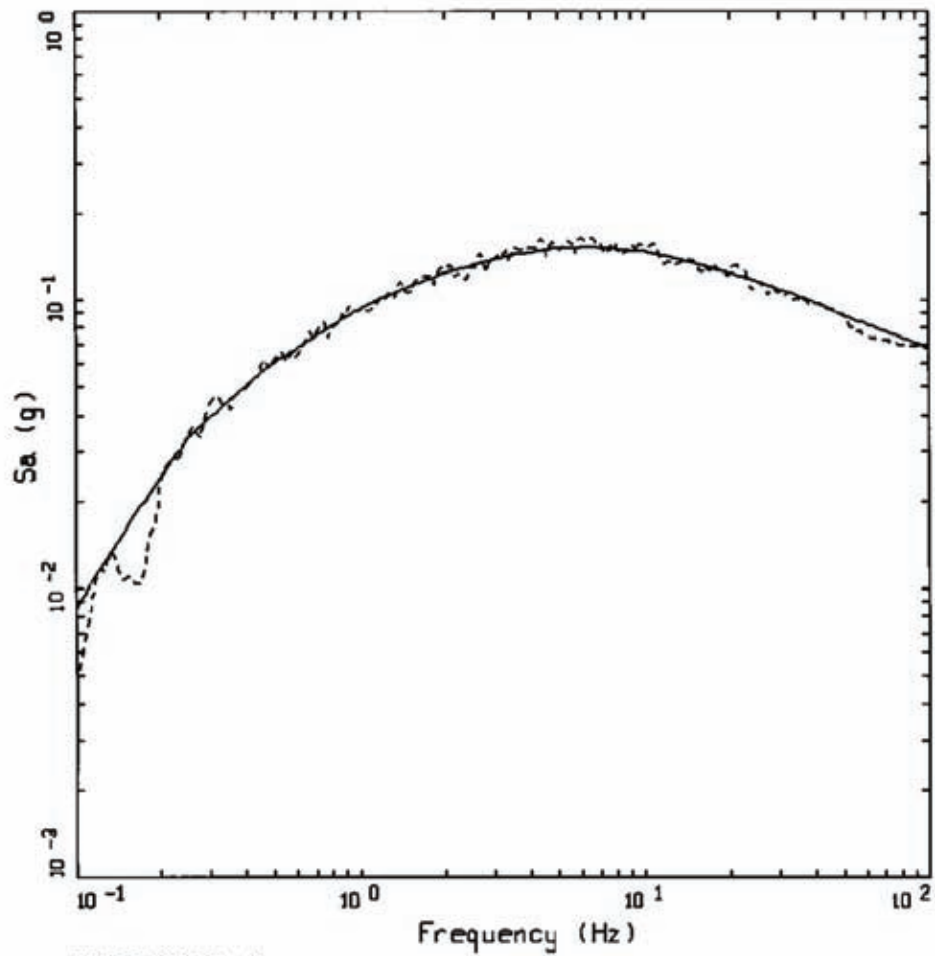


1E-05, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEALS6&7



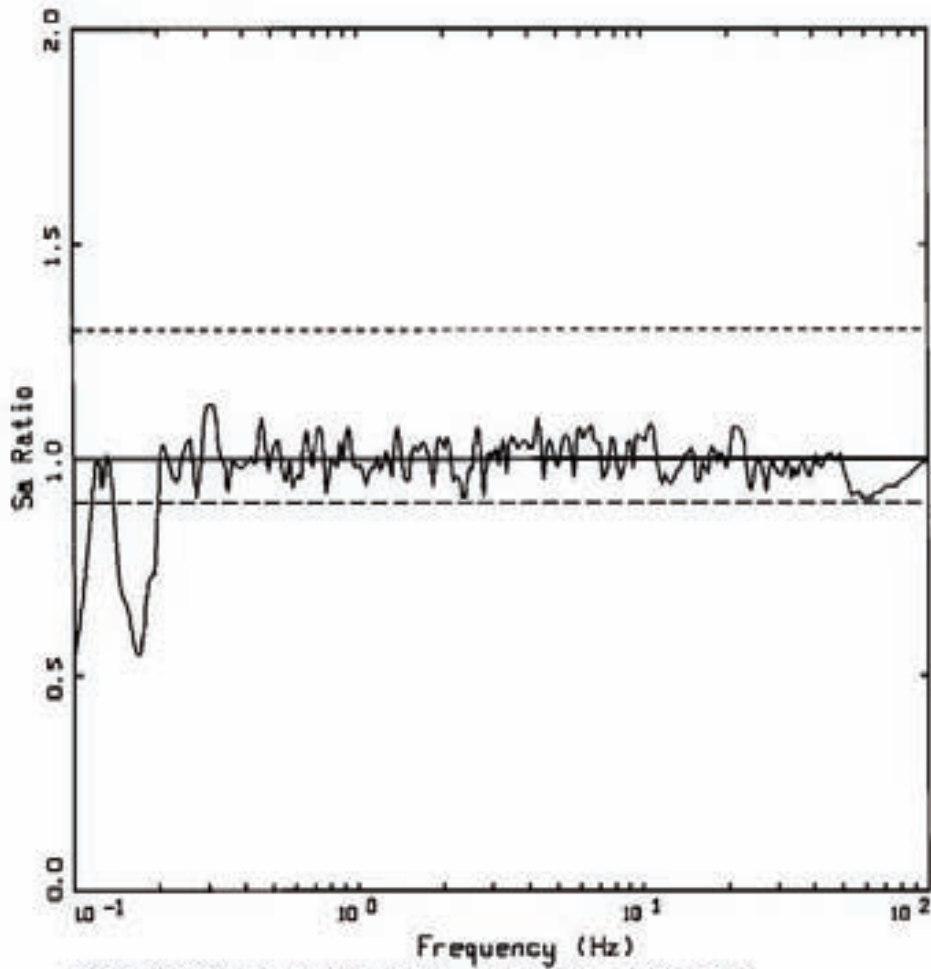
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M7.4, R-300KM, SEALS6&7

LEGEND
 ——— TARGET; PGA = 0.068 g
 - - - - S 2, SPECTRAL MATCH; PGA = 0.068 g



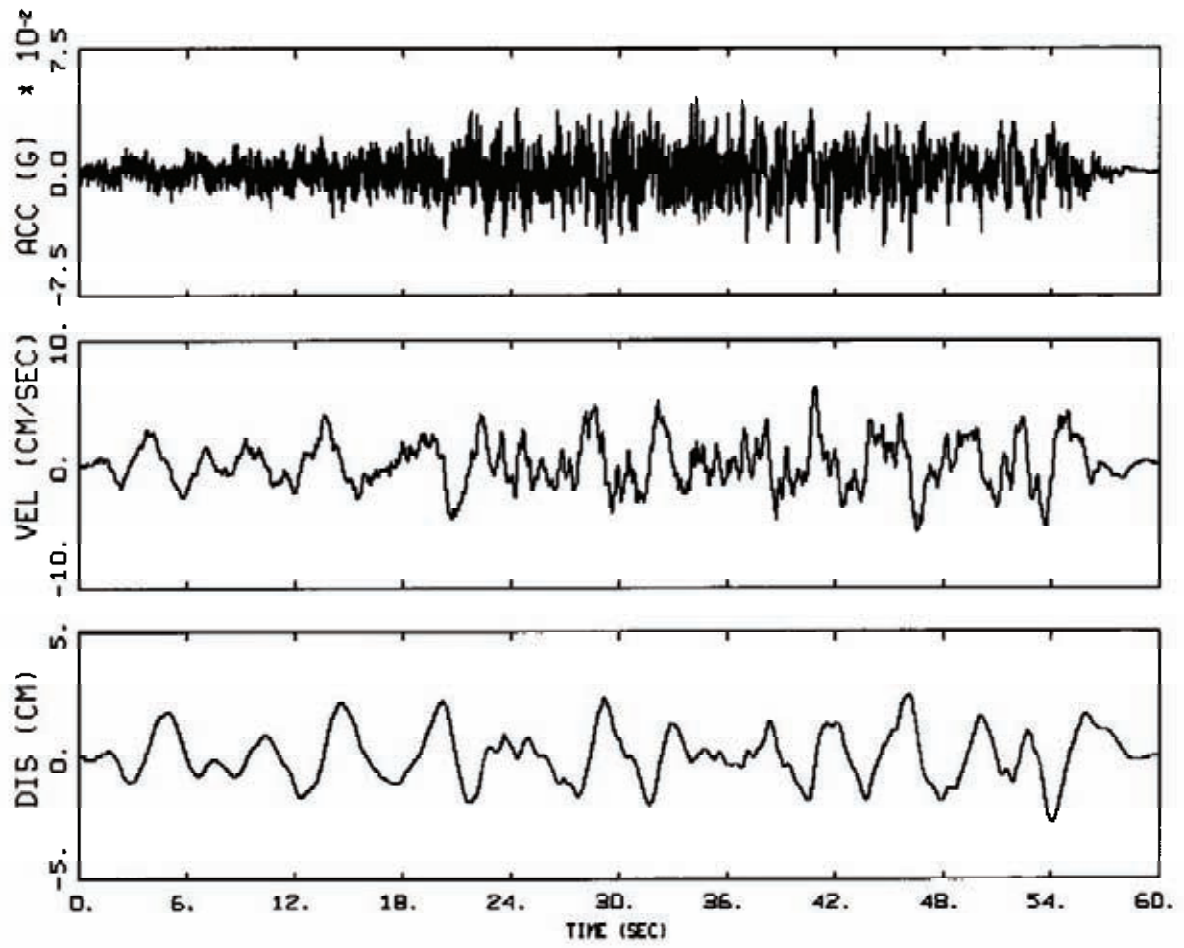
HORIZONTAL 2
BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEALS6&7

LEGEND
—— TARGET; PGA = 0.068 g
----- 5 %, SPECTRAL MATCH; PGA = 0.068 g

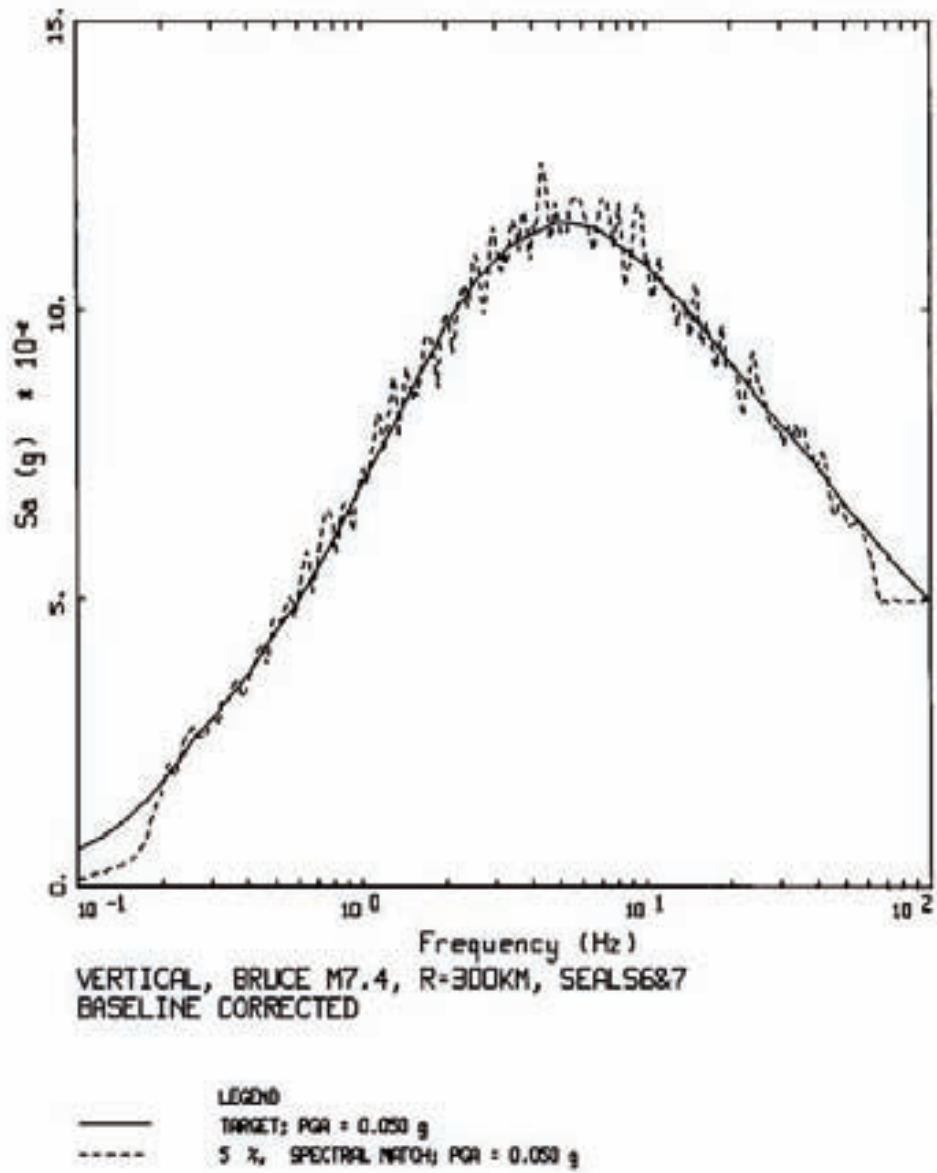


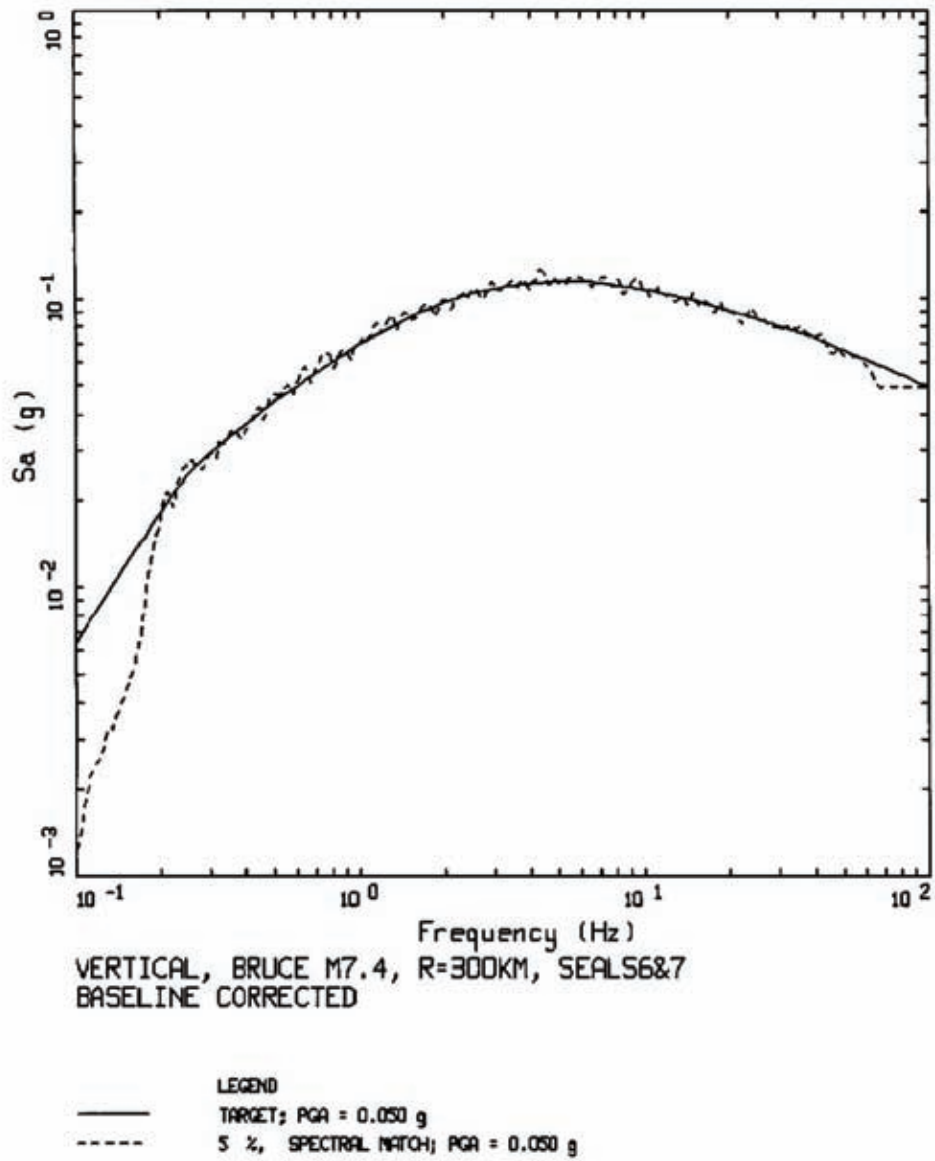
HORIZONTAL 2, BRUCE M7.4, R=300KM, SEALS6&7
 SPECTRAL RATIO: MATCH/TARGET

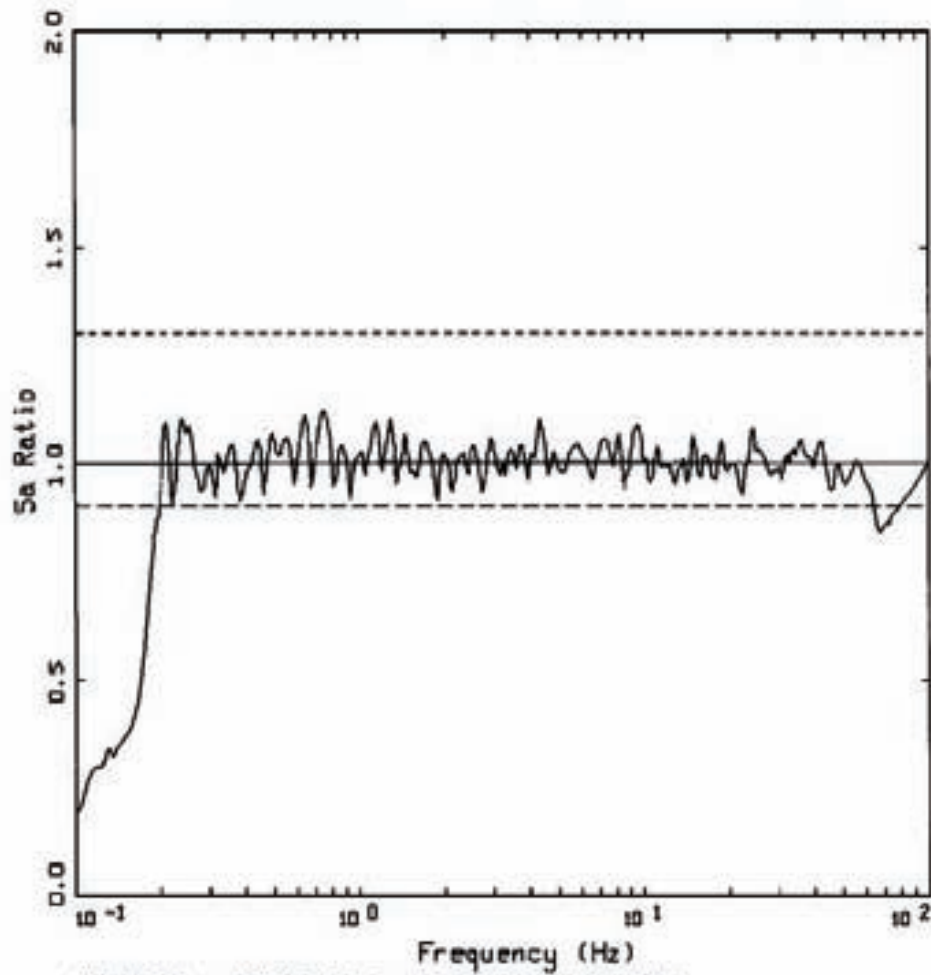
- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.311



1E-05, VERTICAL
BASELINE CORRECTED, BRUCE M7.4, R=300KM, SEALS6&7



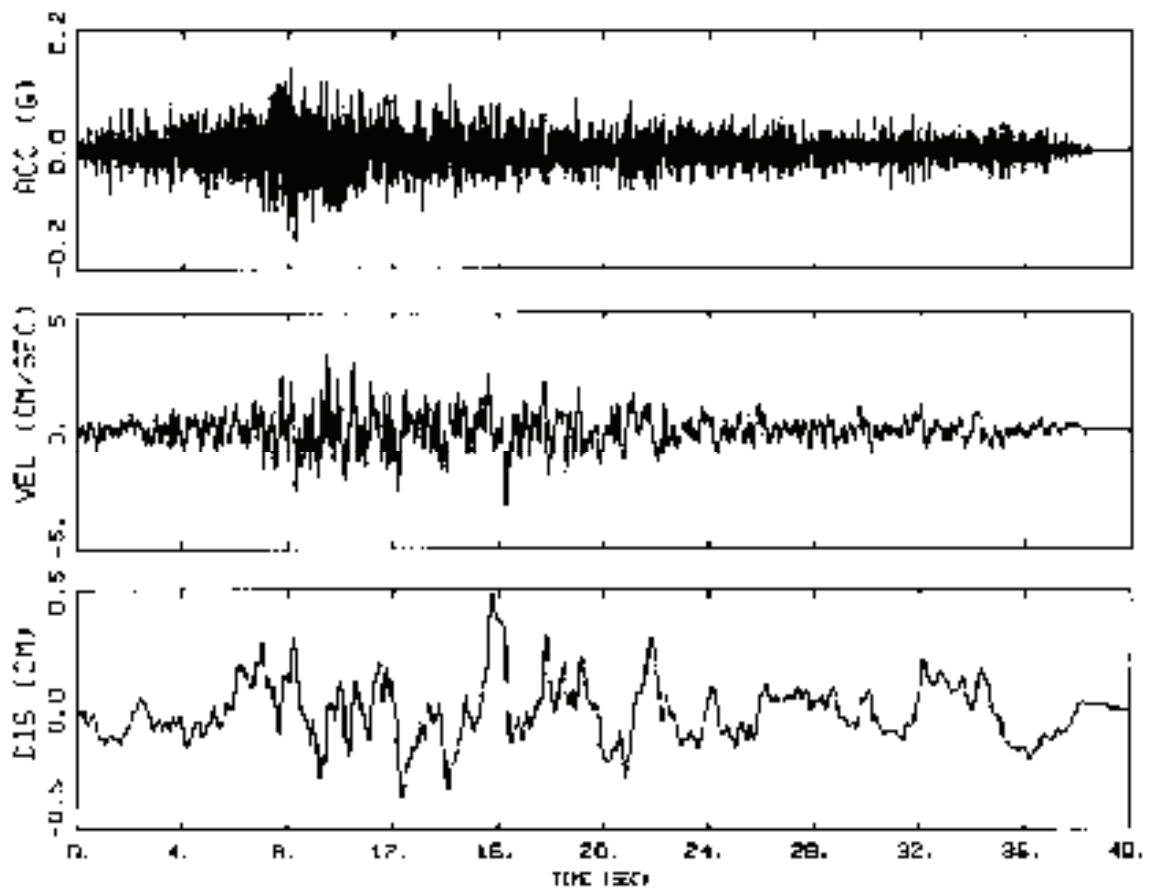




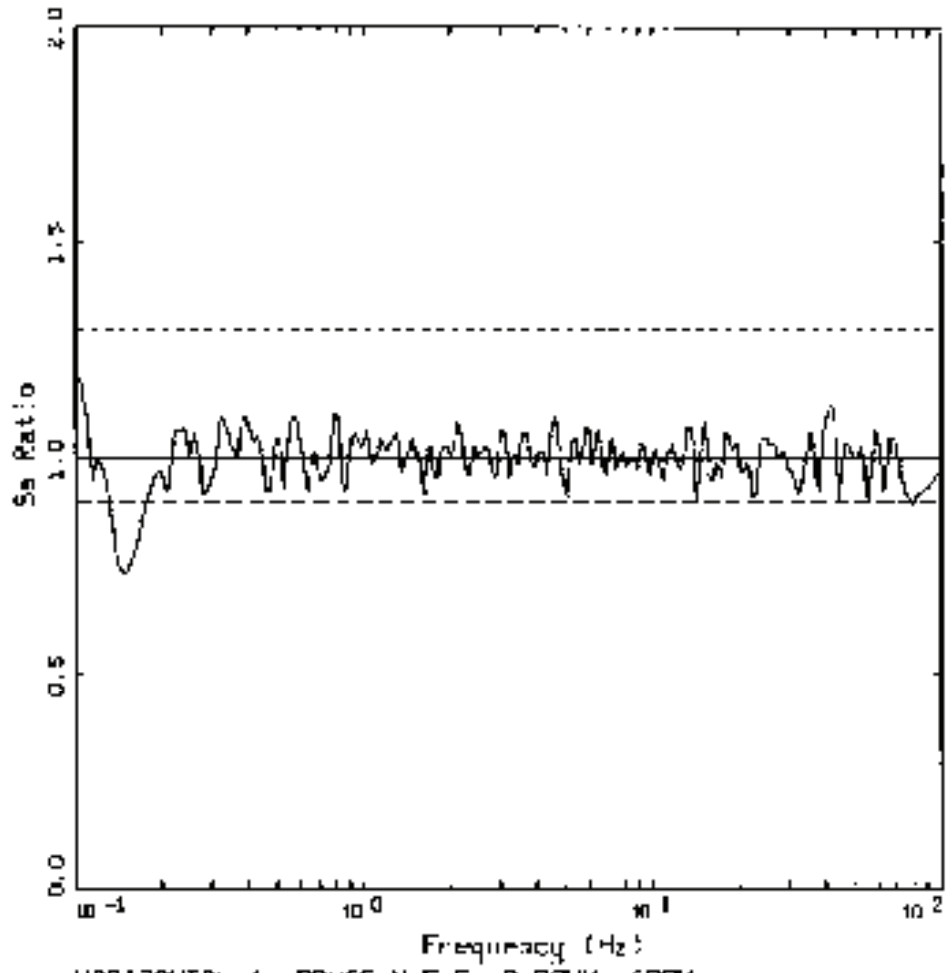
VERTICAL, BRUCE M7.4, R=300KM, SEALS6&7
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - .-.- UNITY / 1.111

Figure B5. Acceleration, velocity, displacement time histories, spectral match (linear and log Sa axes), and ratios of target design spectrum to match spectrum, Horizontal (H1 and H2) and vertical components for all three design spectra: Repository 680m, AEF 10⁻⁵.

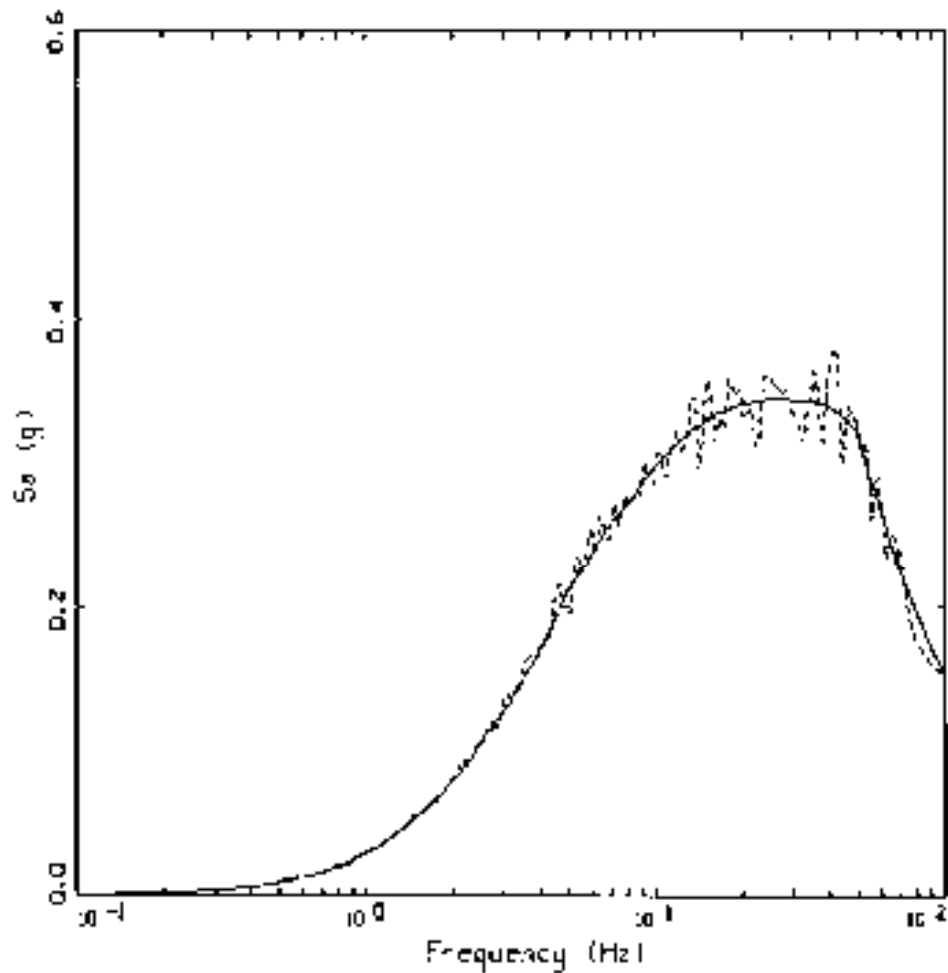


1F-115, HORIZONTAL :
BASELINE CORRECTED, BRUCF NS.S, R=20KM, FROM



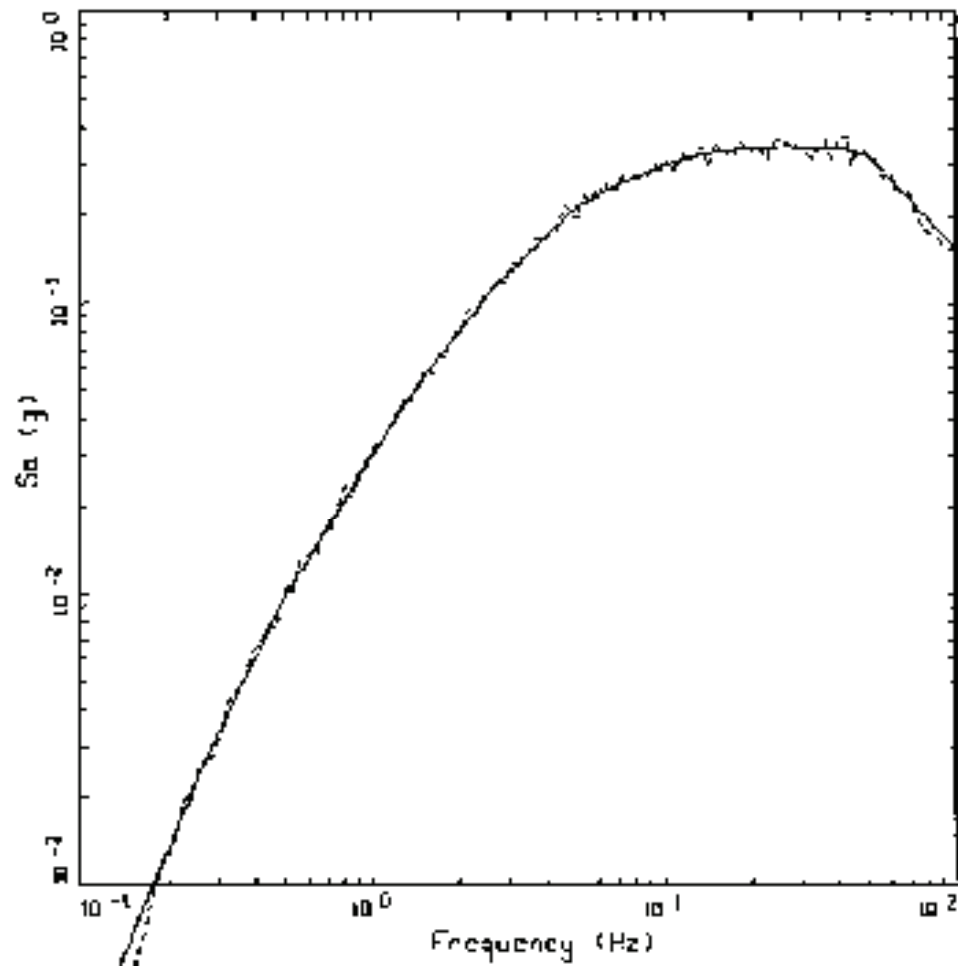
HORIZONTAL 1, BRUCE M-S.5, R-20KM, 6BOM
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111



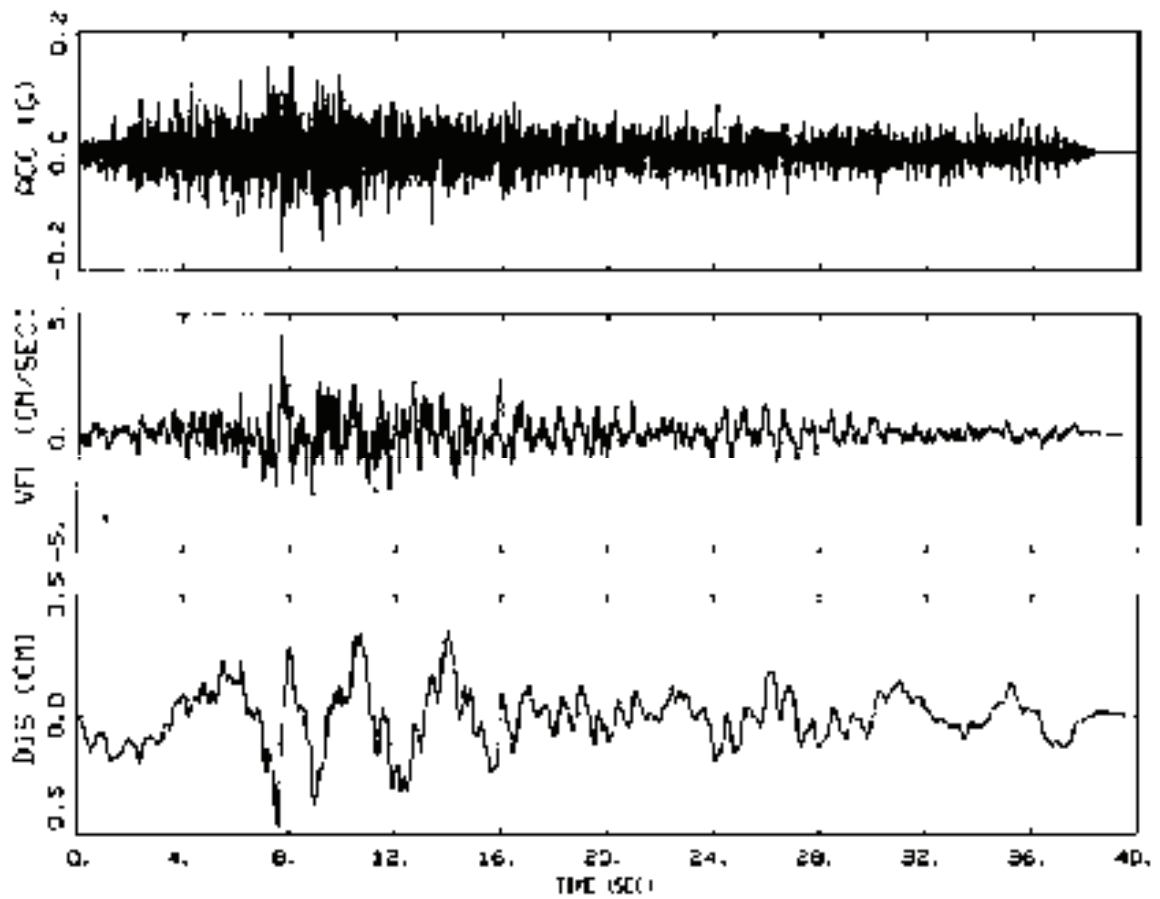
HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M=5.5, R=20MM, 68UM

LEGEND
 ——— TARGET PGA = 0.154 g
 - - - - 5 % SPECTRAL RATIO PGA = 0.154 g

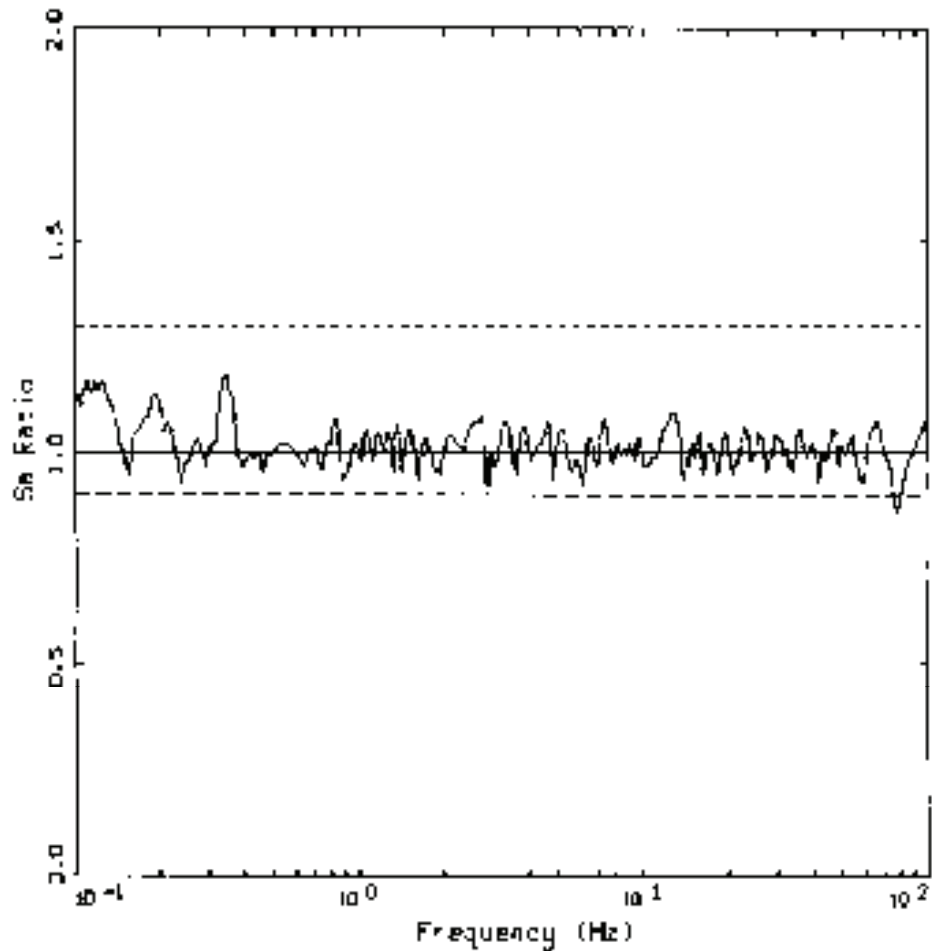


HORIZONTAL)
BASELINE CORRECTED, BRUCE M-5.5, R-20KM, G311M

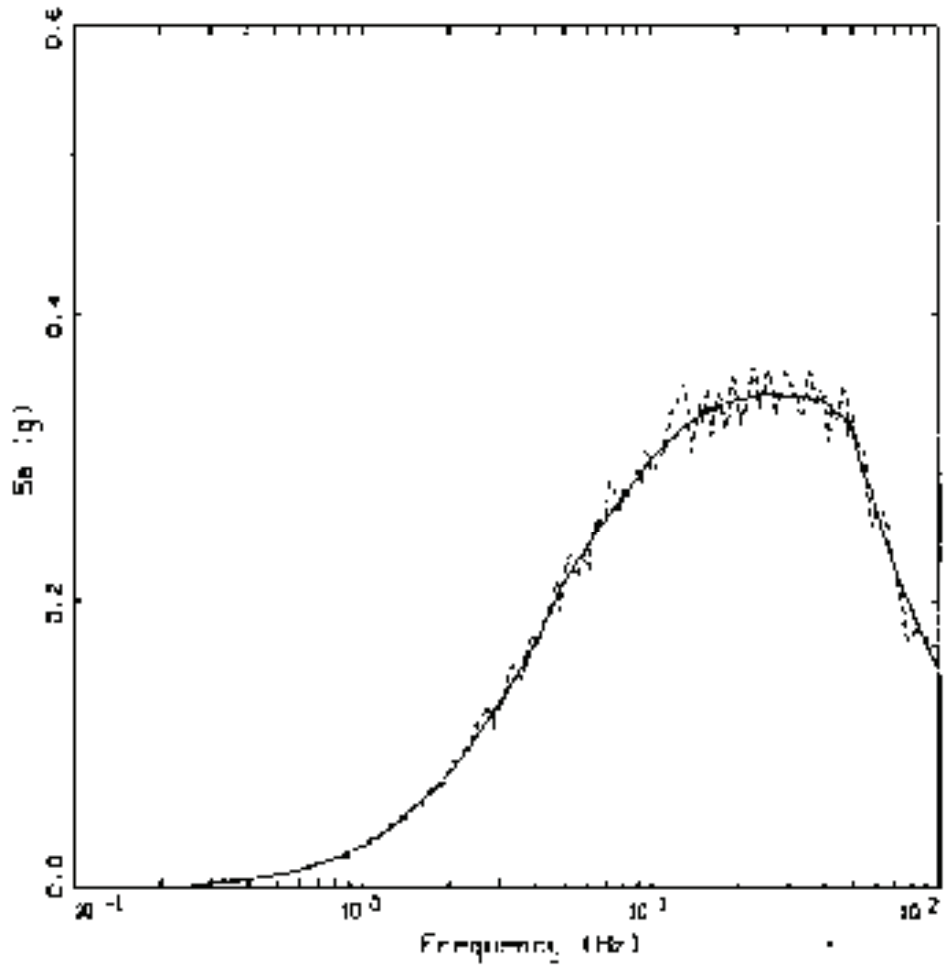
LEGEND
—— TARGET: PGA = 0.154 g
- - - - 5% SPECTRAL MATCH: PGA = 0.151 g



1E-05, HORIZONTAL Z
BASELINE CORRECTED, BRUCE MS.5, R=20KM, 680M

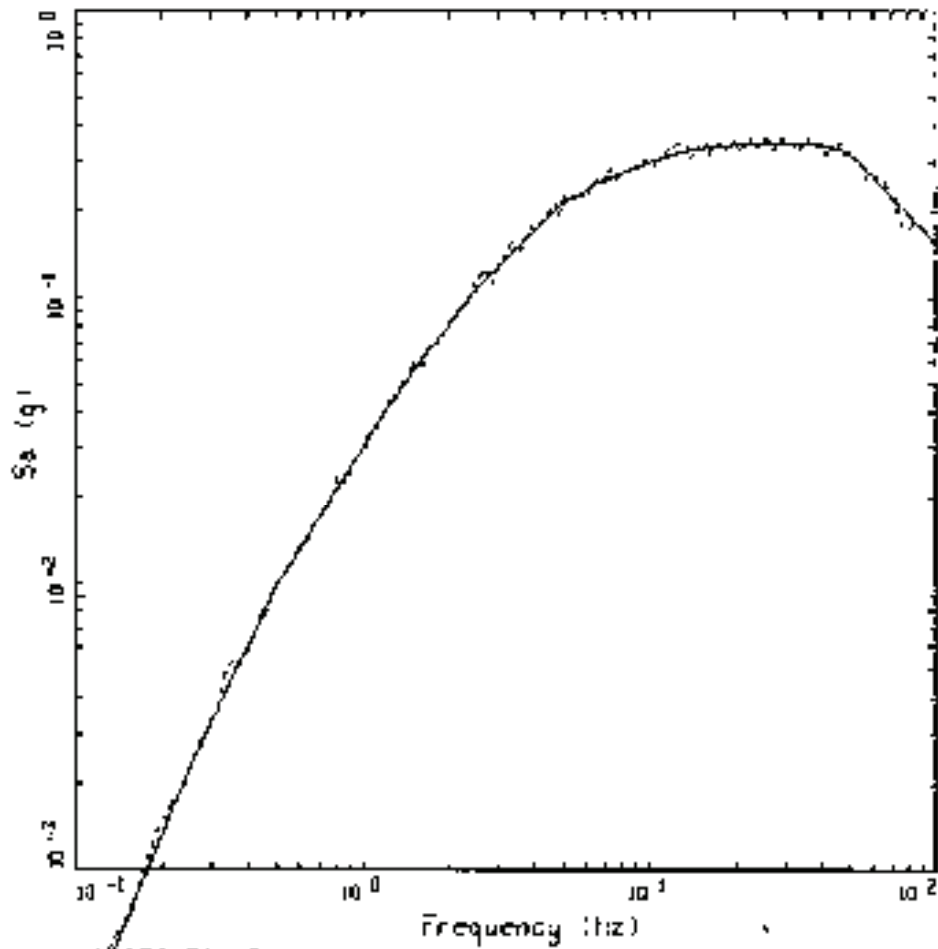


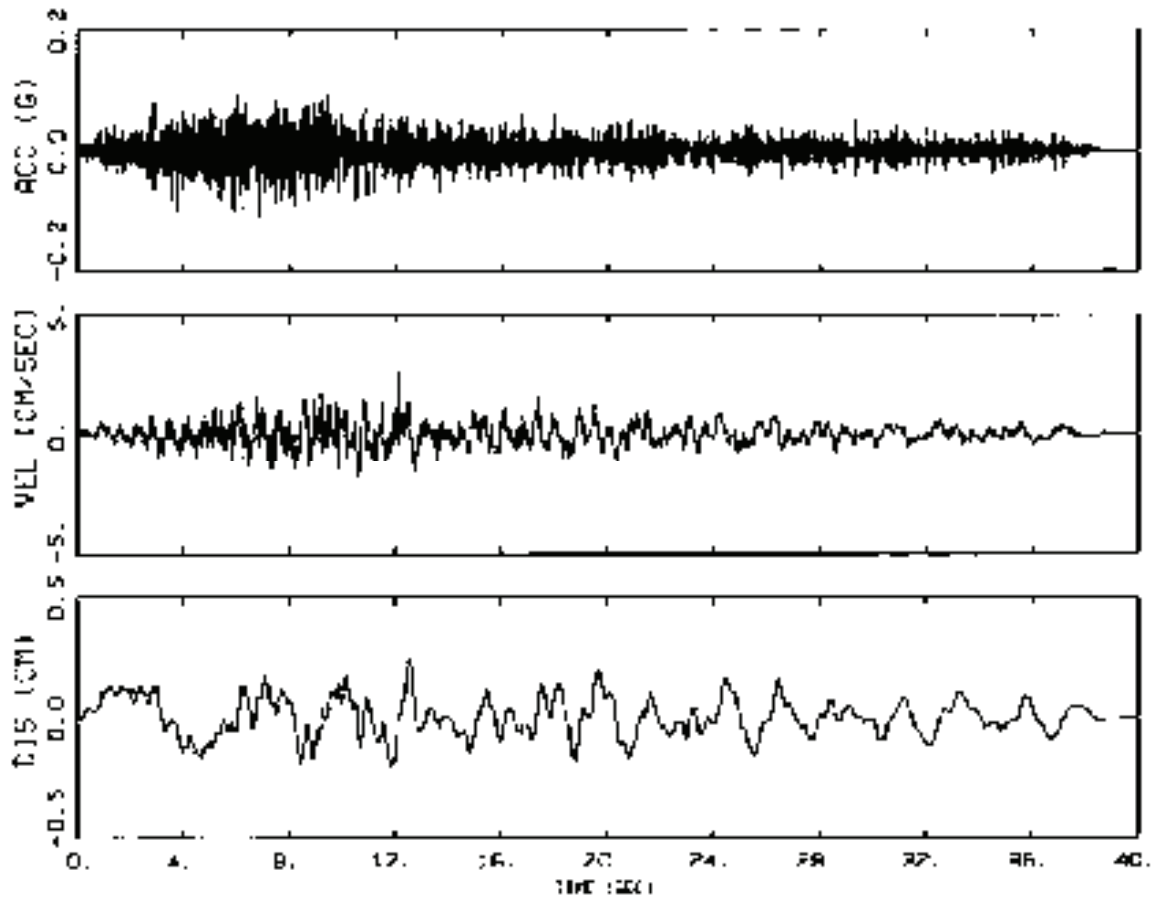
- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - .-.-.- UNITY / 1.111



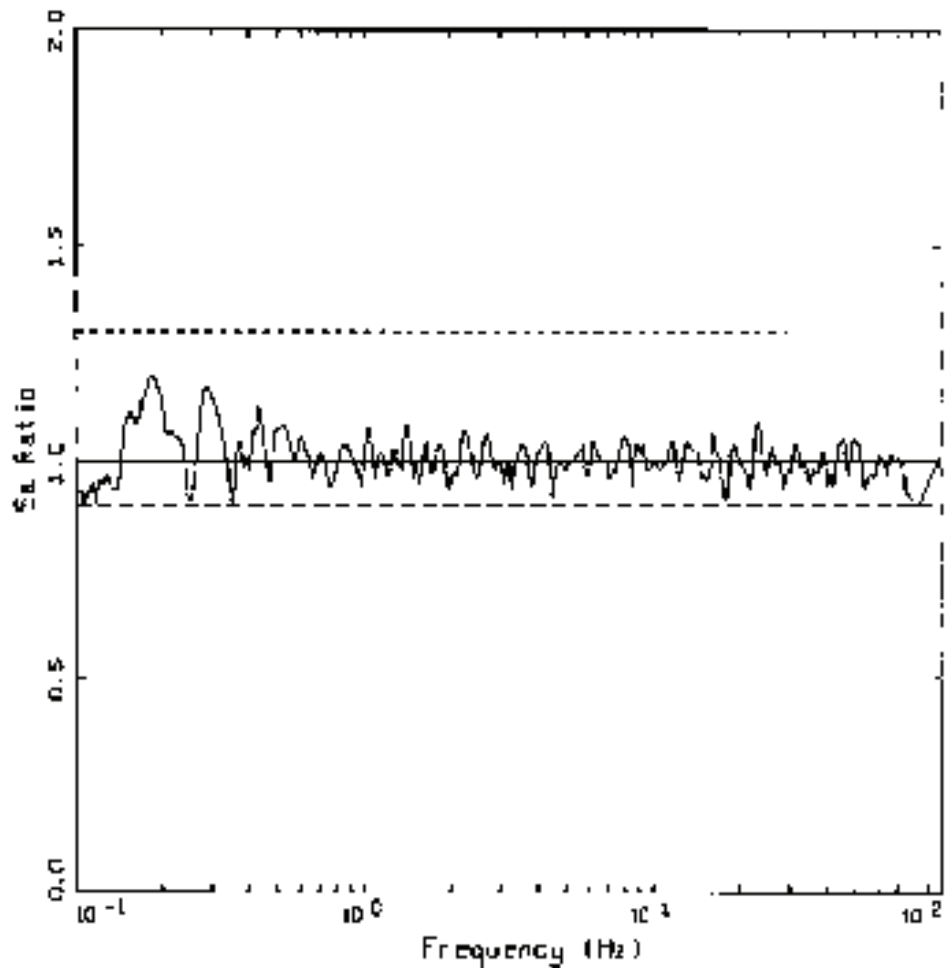
HORIZONTAL ?
 BASELINE CORRECTED, BRUCE M=5.5, R=20KM, GEOM

LEGEND
 ——— TARGET; PGA = 0.151 g
 - - - - 5 % d. RESPONSE SPECTRUM; PGA = 0.167 g



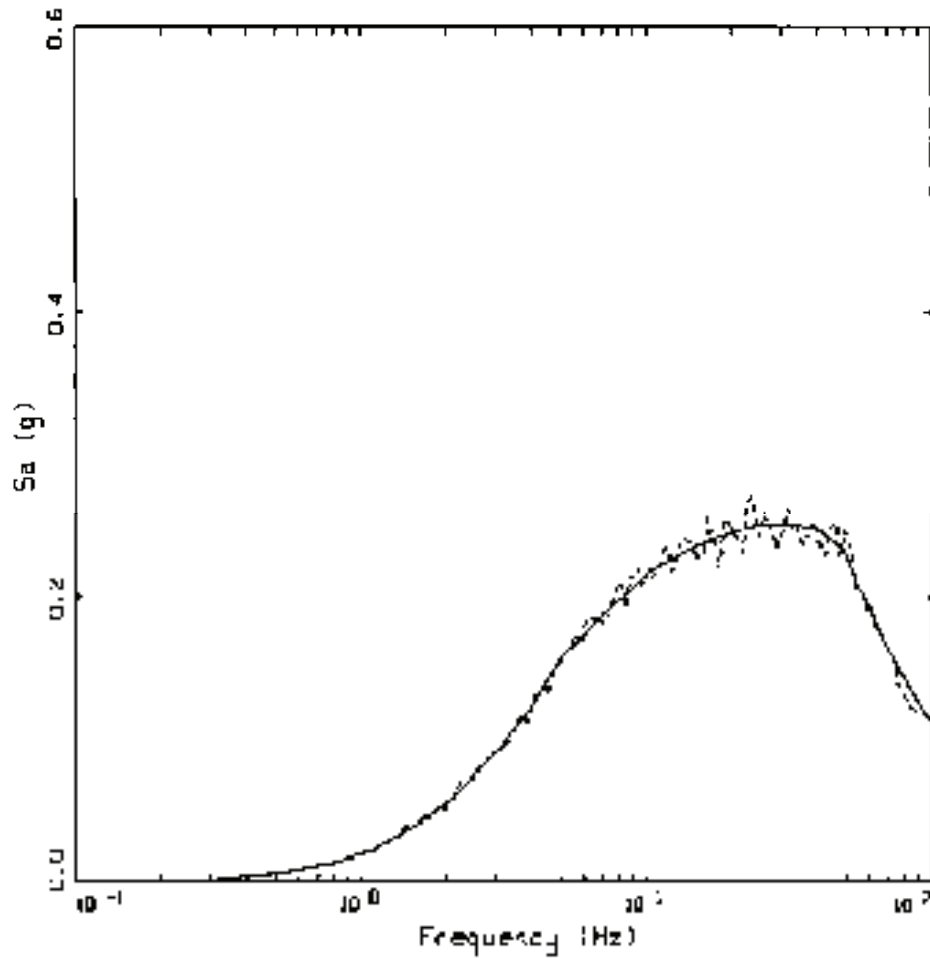


1F-05, VERTICAL
BASELINE CORRECTED, BRUCE MS.5, R=PDWH, 68CM



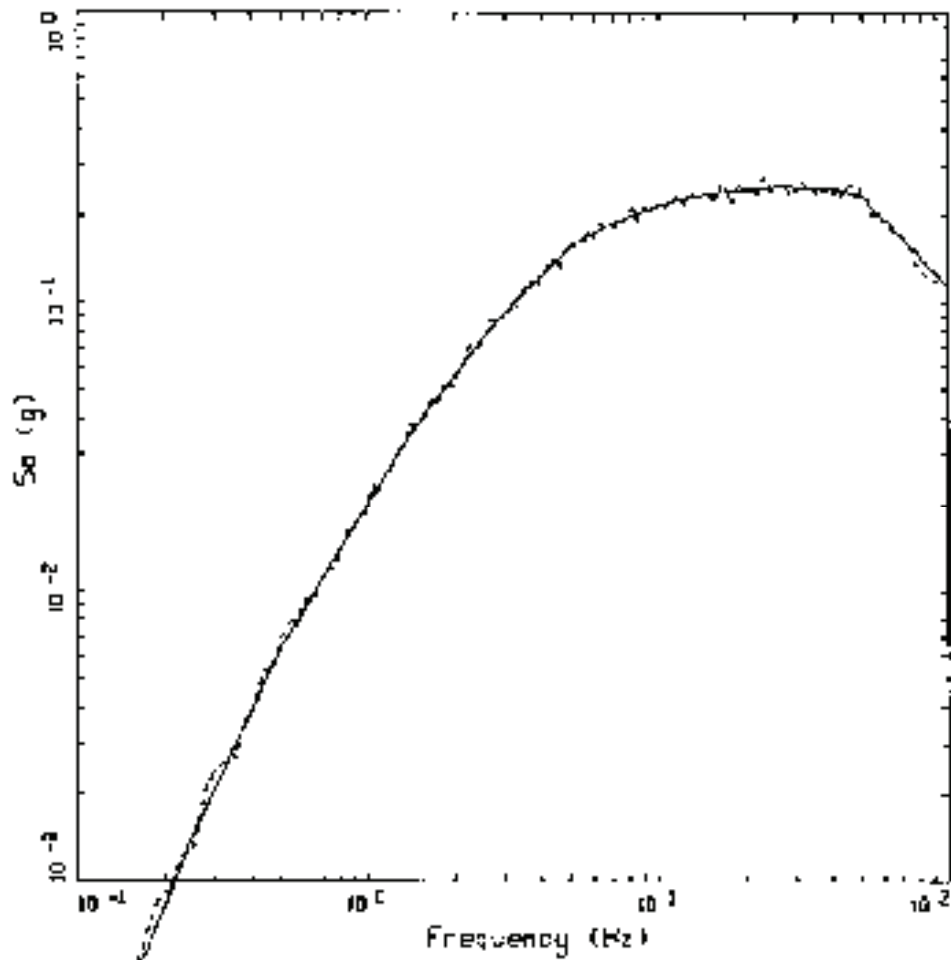
VERTICAL, BRUCE M=S.S, R=20KM, 68LUN
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY x 1.2
 - . - . UNITY / 1.125



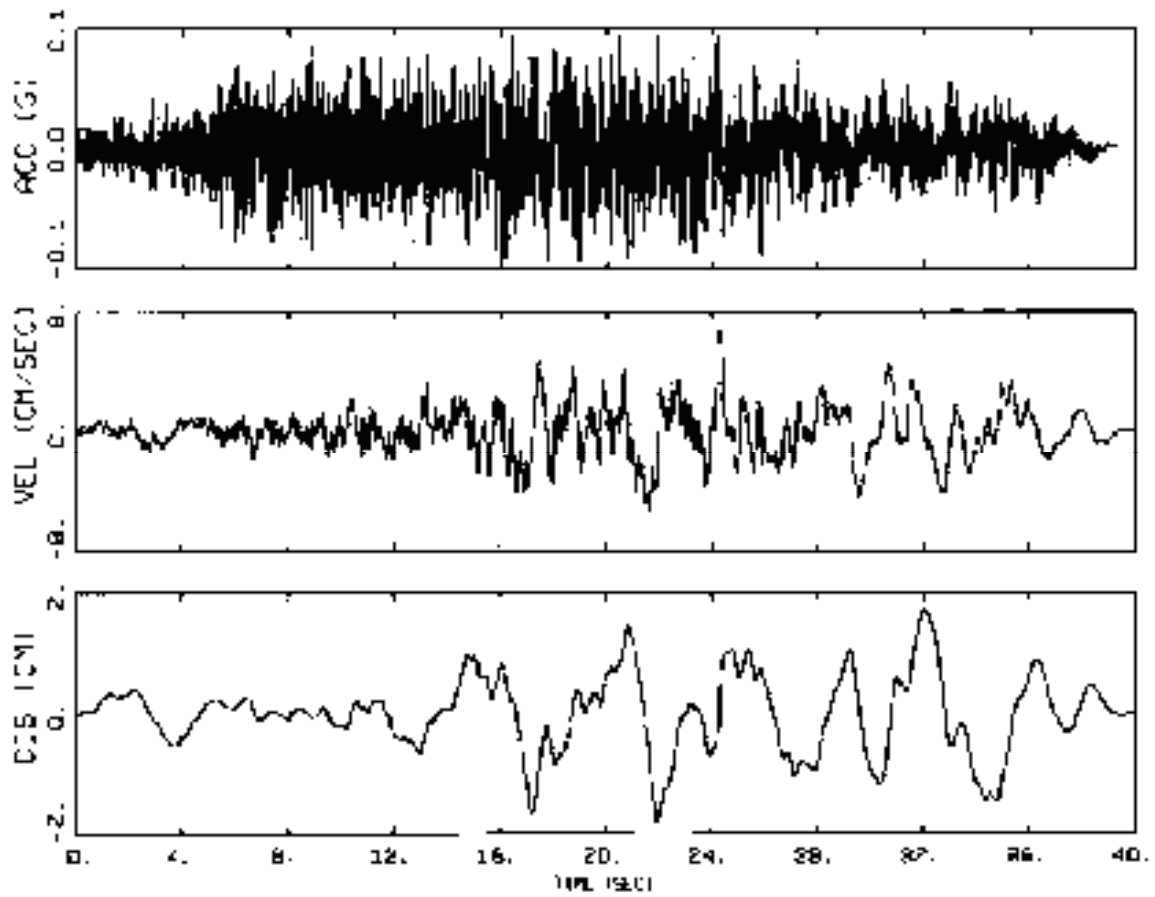
VERTICAL
BASELINE CORRECTED, BRULL M=5.5, N=2000, SAUM

LEGEND
—— TARGET: PGA = 0.223 g
- - - - 5% SPECTRAL MATCH: PGA = 0.214 g

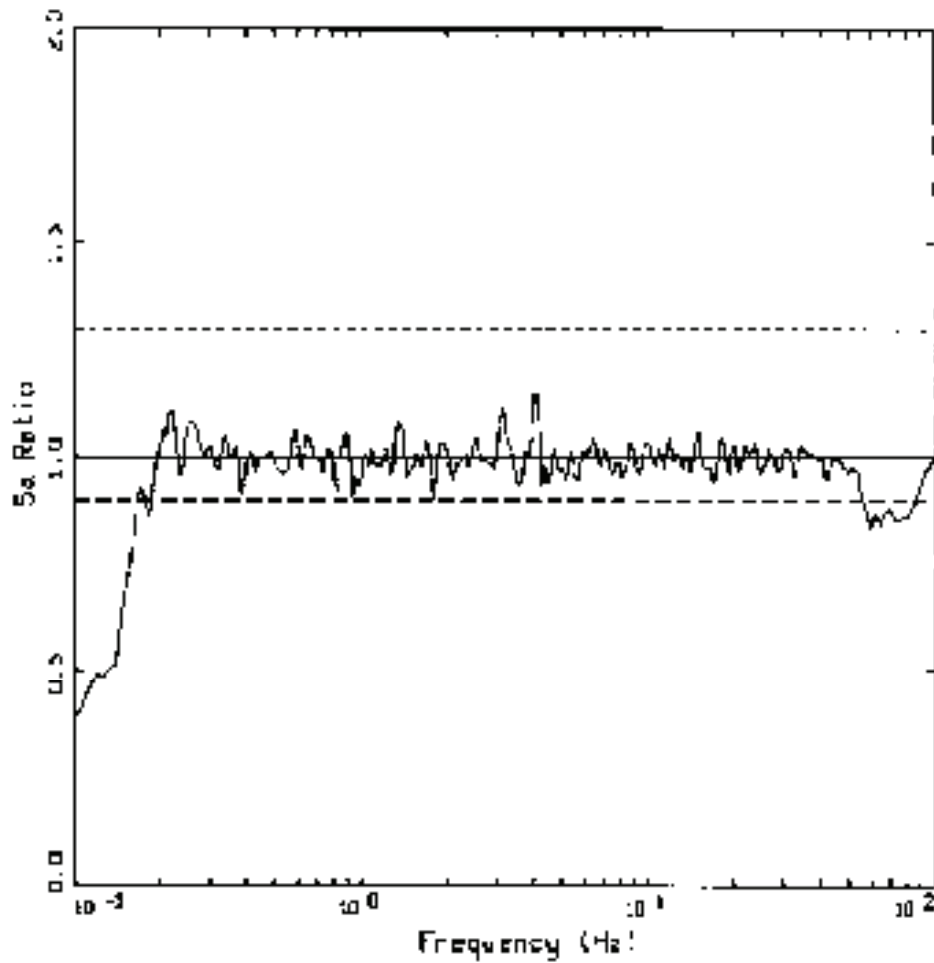


VERTICAL
BASELINE CORRECTED, BRIDGE N-S.S, R-20KM, AHIM

LEGEND
CAPUT; PGA = 0.113 g
S % SPECTRAL MATCH; PGF = 0.114 g

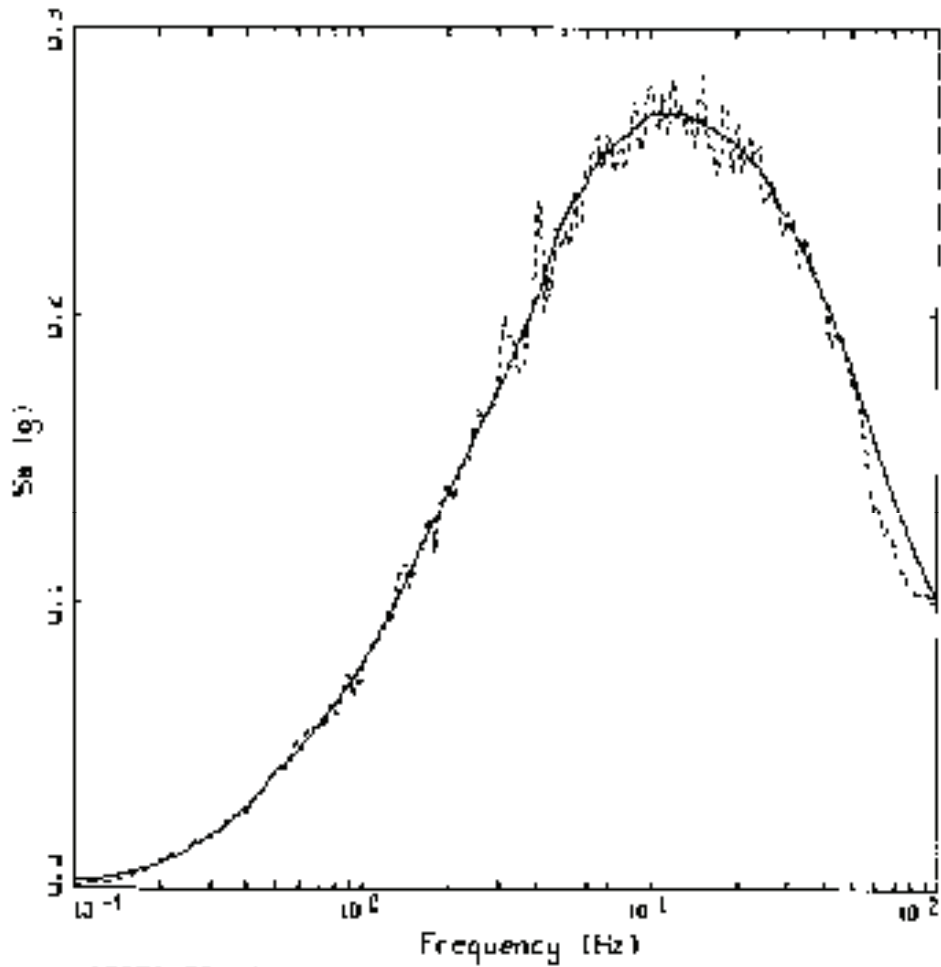


1E-05, HORIZONTAL 1
BASELINE CORRECTED, BRUCE N6.5, R=100KM, 680M



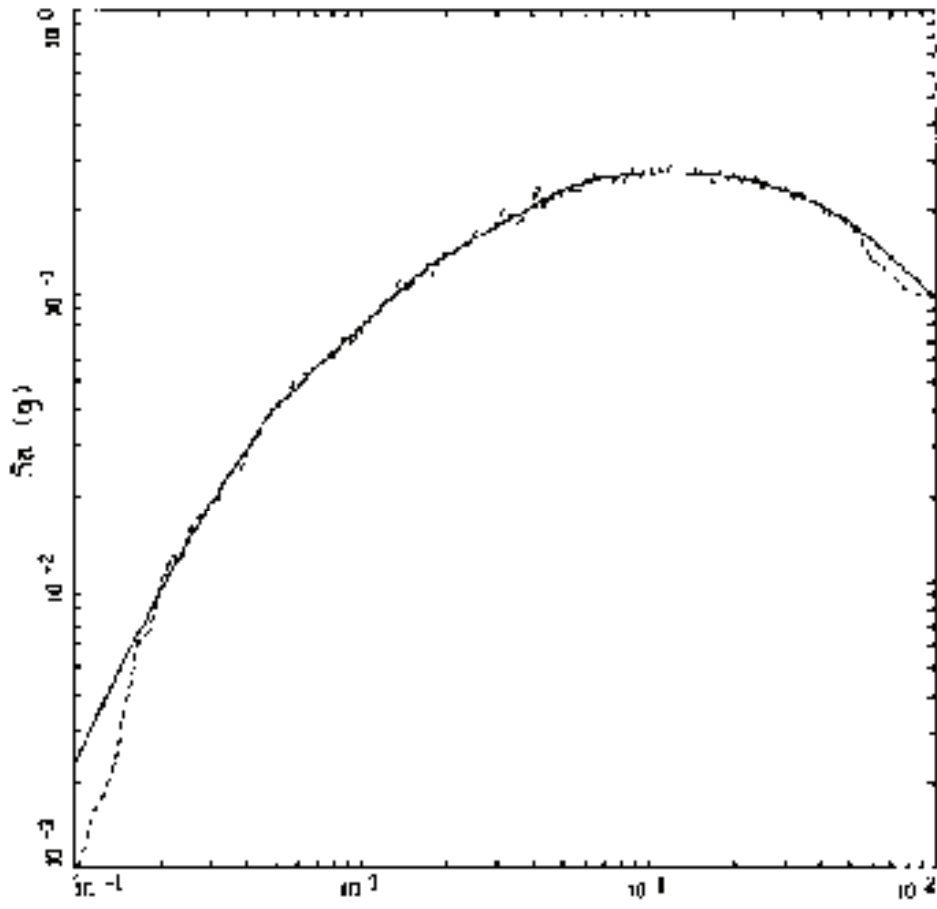
HORIZONTAL 1, BRUCE M=6.5, R=100KM, 65NM
 SPECTRA RATIO: MATCH/TARGET

- SA RATIO: MATCH/TARGET
- UNITY
- UNITY * 1.5
- UNITY / 1.5



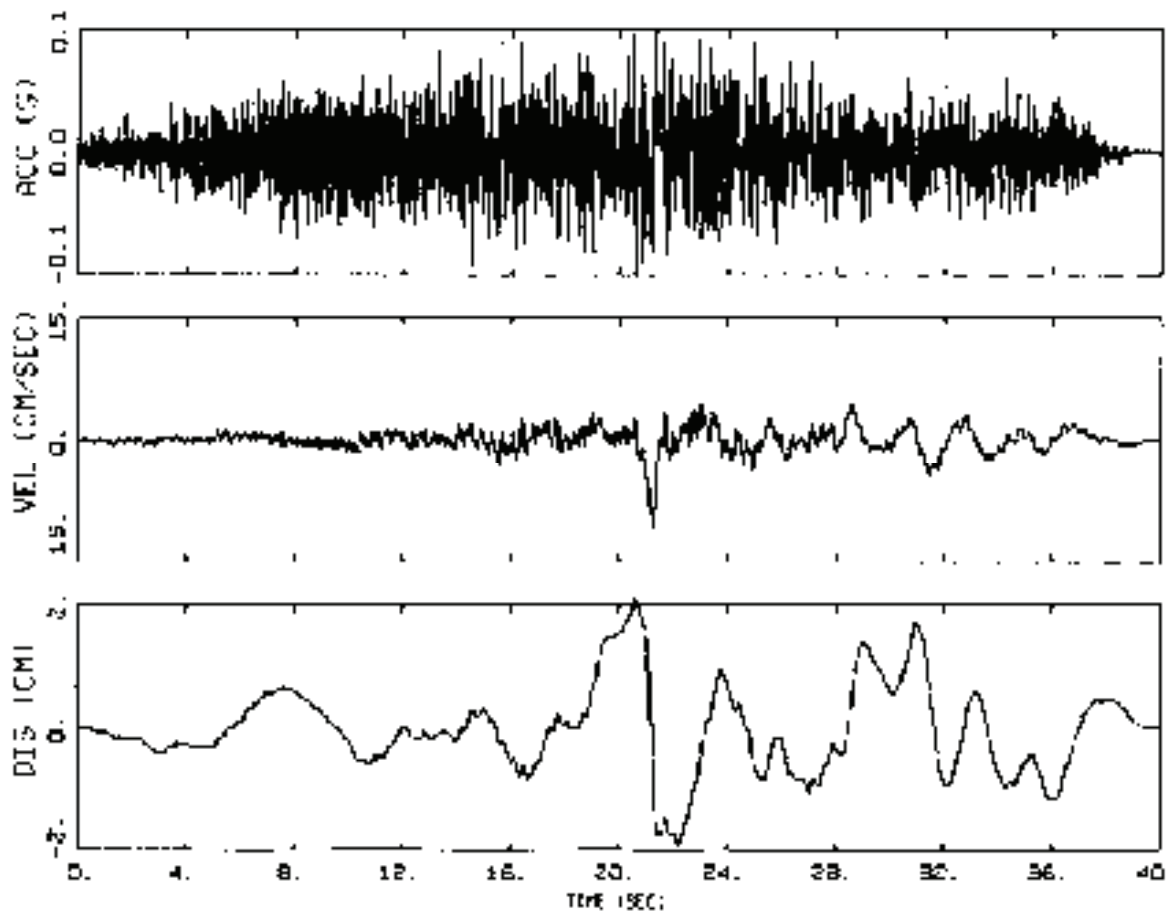
HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M-6.5, R=100KM, 68D

LEGEND
 ——— TARGET: PGA = 0.100 g
 - - - - 5% DAMPED RESPONSE SPECTRUM: PGA = 0.100 g

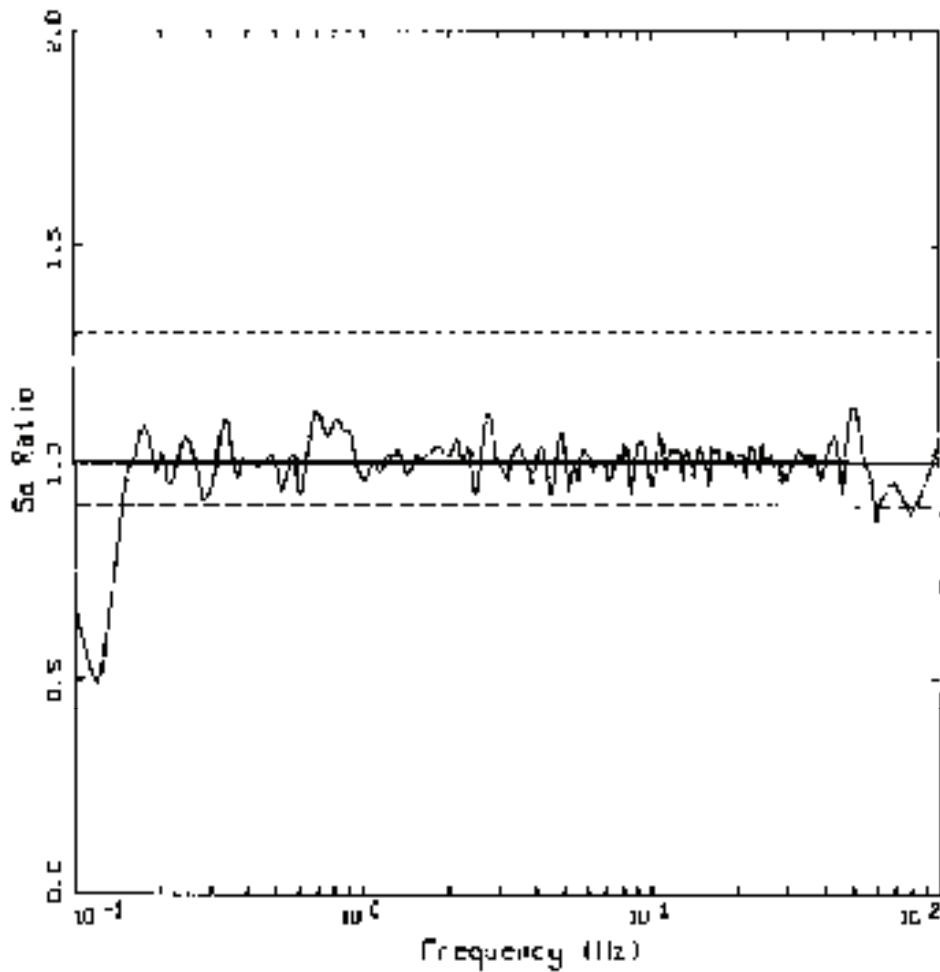


HORIZONTAL 1, BRUCE M-6.5, R-100KM, 68CM
BASELINE CORRECTED

LEGEND
—— TARGET: PGA = 0.100 g
- - - - S₁, SPECTRAL MATCH: PGA = 2.100 g

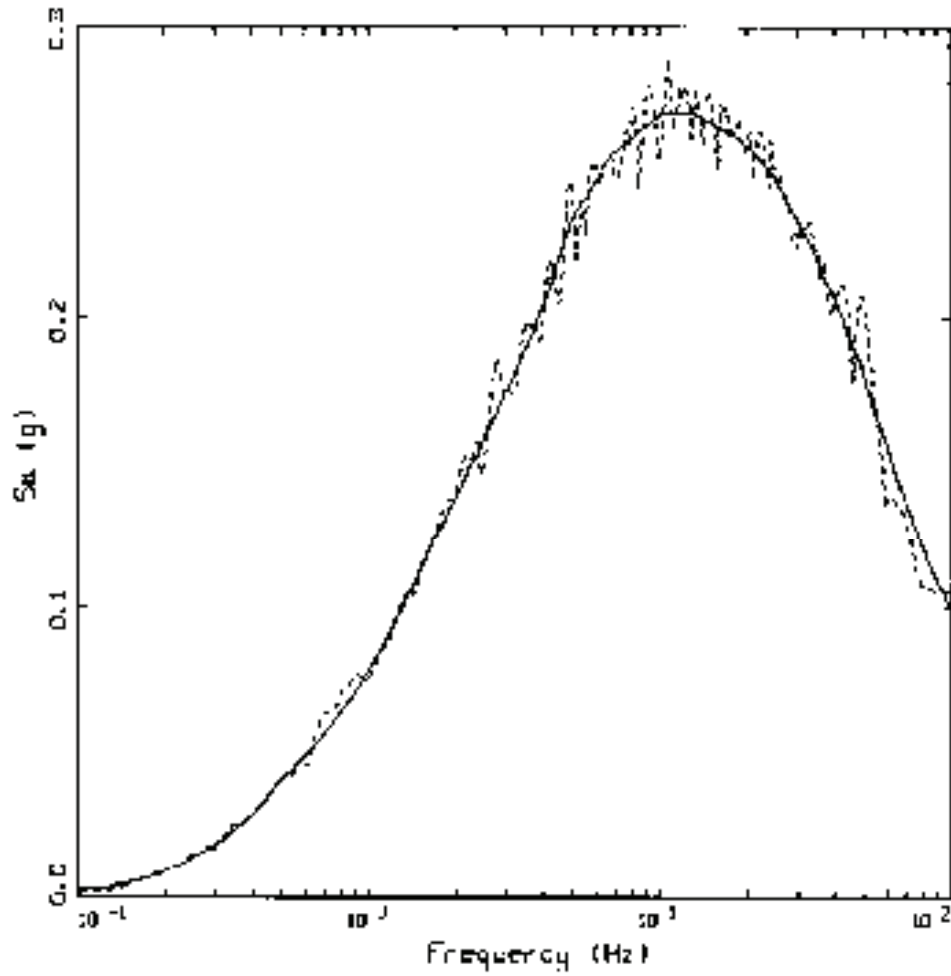


1E-05, HORIZONTAL Z
BASELINE CORRECTED, BRUCE MG.5, R=100KM, GEOM



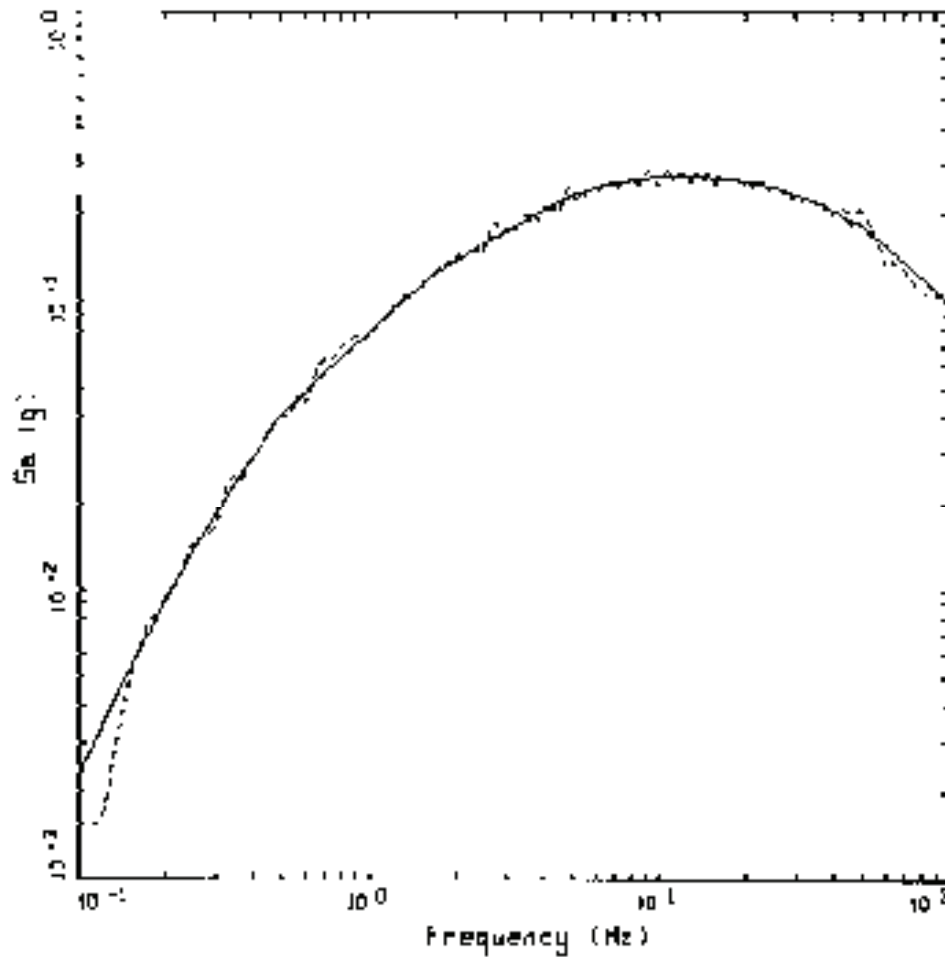
HORIZONTAL 2, BRUCH M=6.5, R=100KM, 687M
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY * 1.414



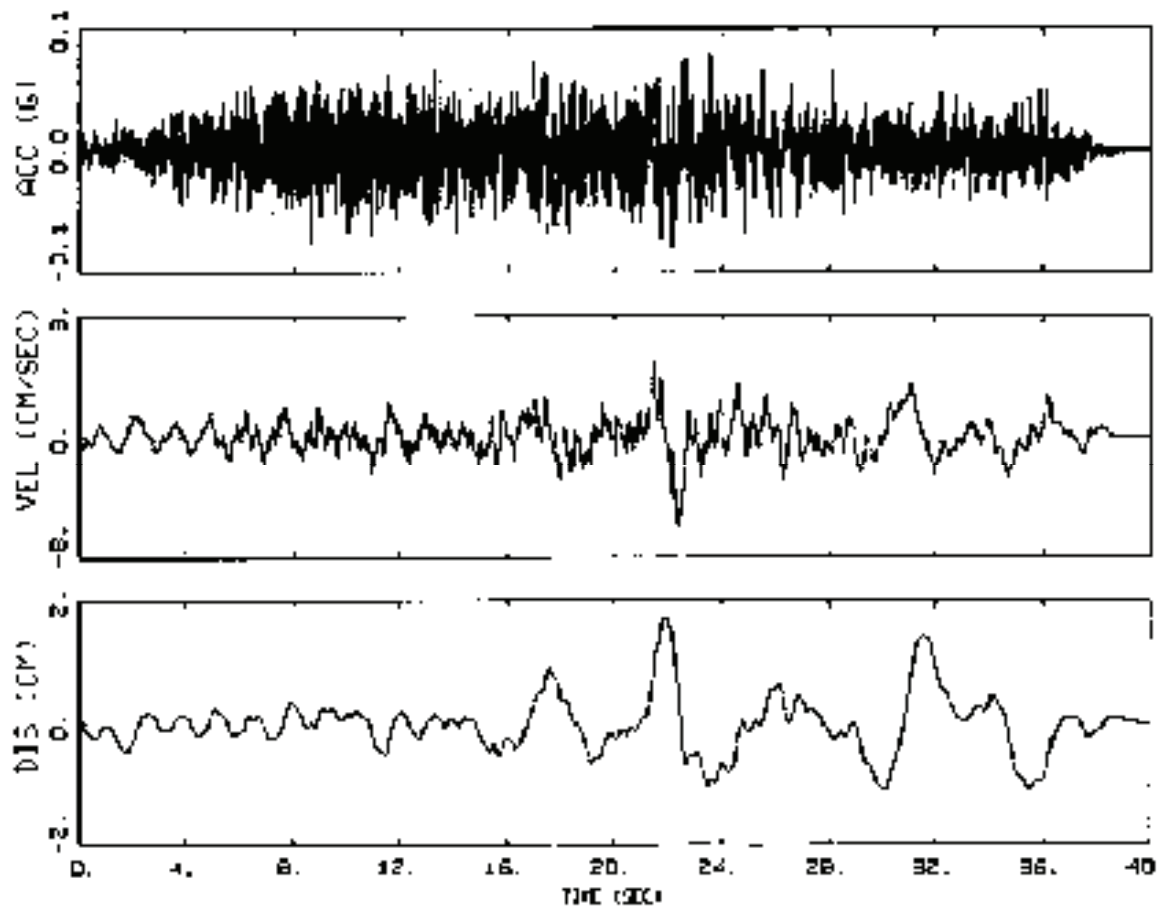
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M-6.5, R-100KM, 680M

LEGEND
 ——— TARGET; PGA = 0.100 g
 - - - - 5 % SPECTRAL RATIO; PGA = 0.105 g

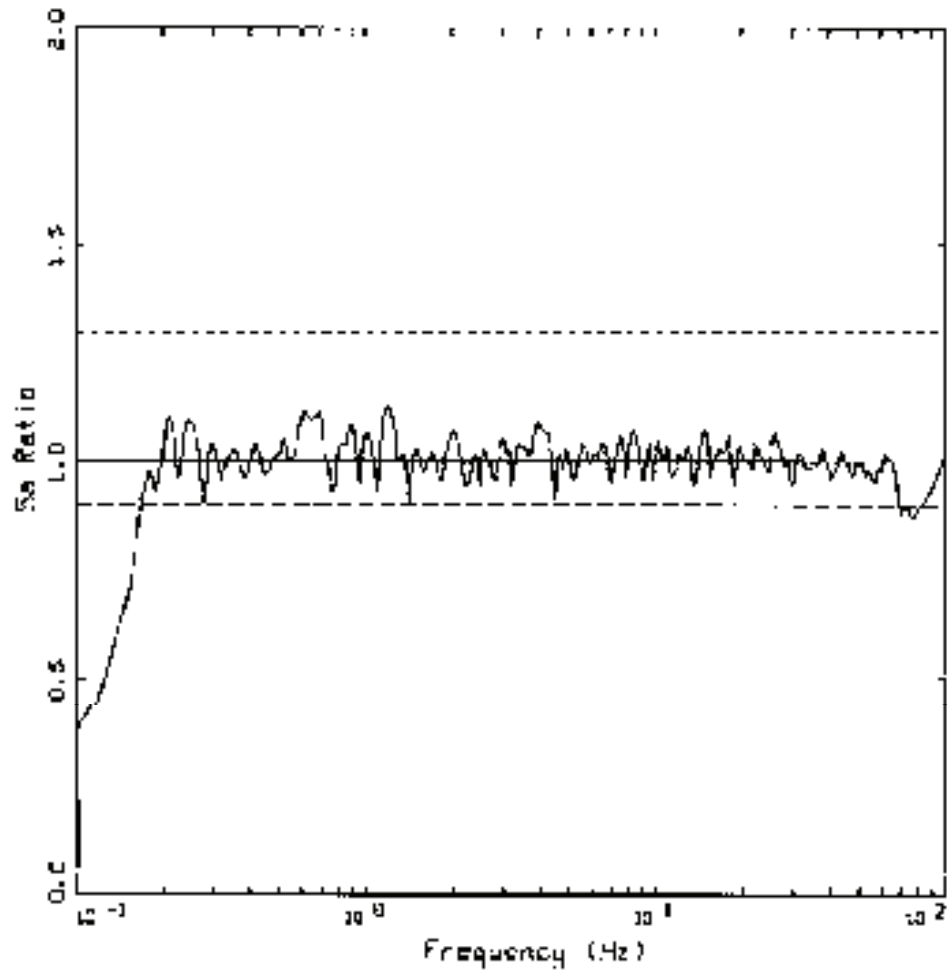


HORIZONTAL Z
 BASELINE CORRECTED, BRUCE M=6.5, R=100KM, GBCM

LEGEND
 ——— TARGET; PGA = 0.100 g
 - - - - 5 % SPECTRAL MATCH; PGA = 0.105 g

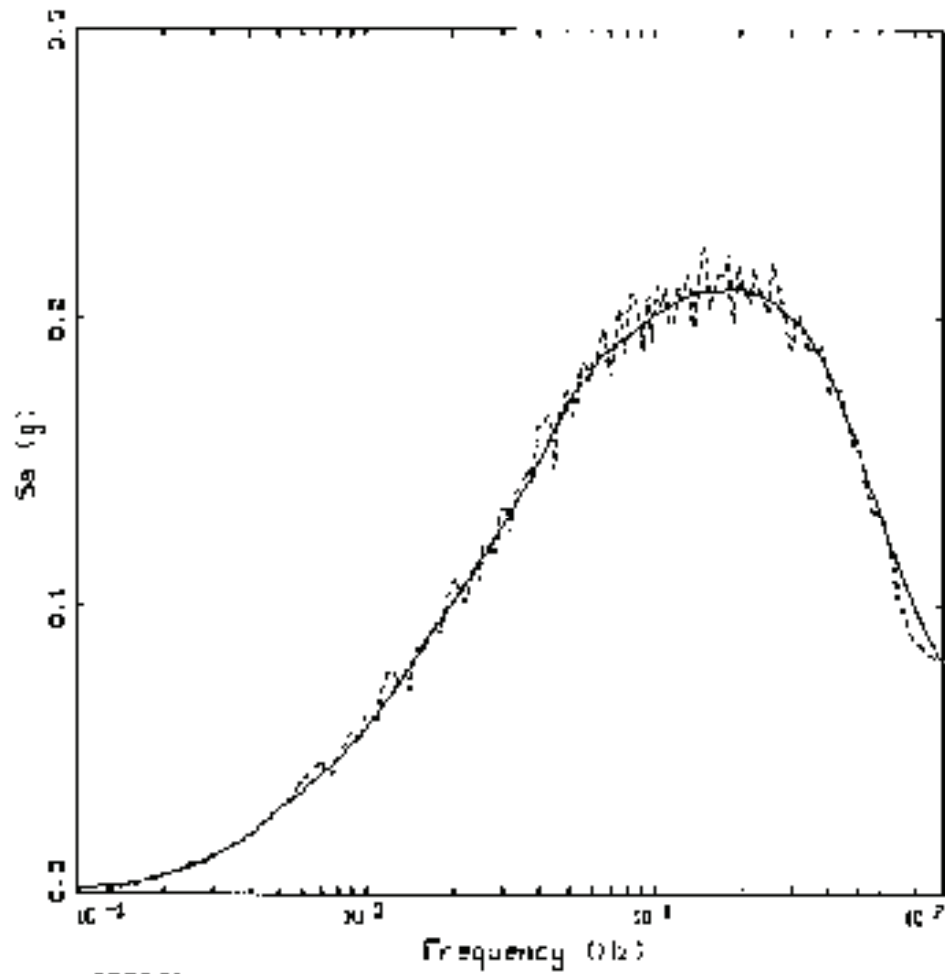


SE-05, VERTICAL
BASELINE CORRECTED, BRUCE ME.S., R=100KM, 683M



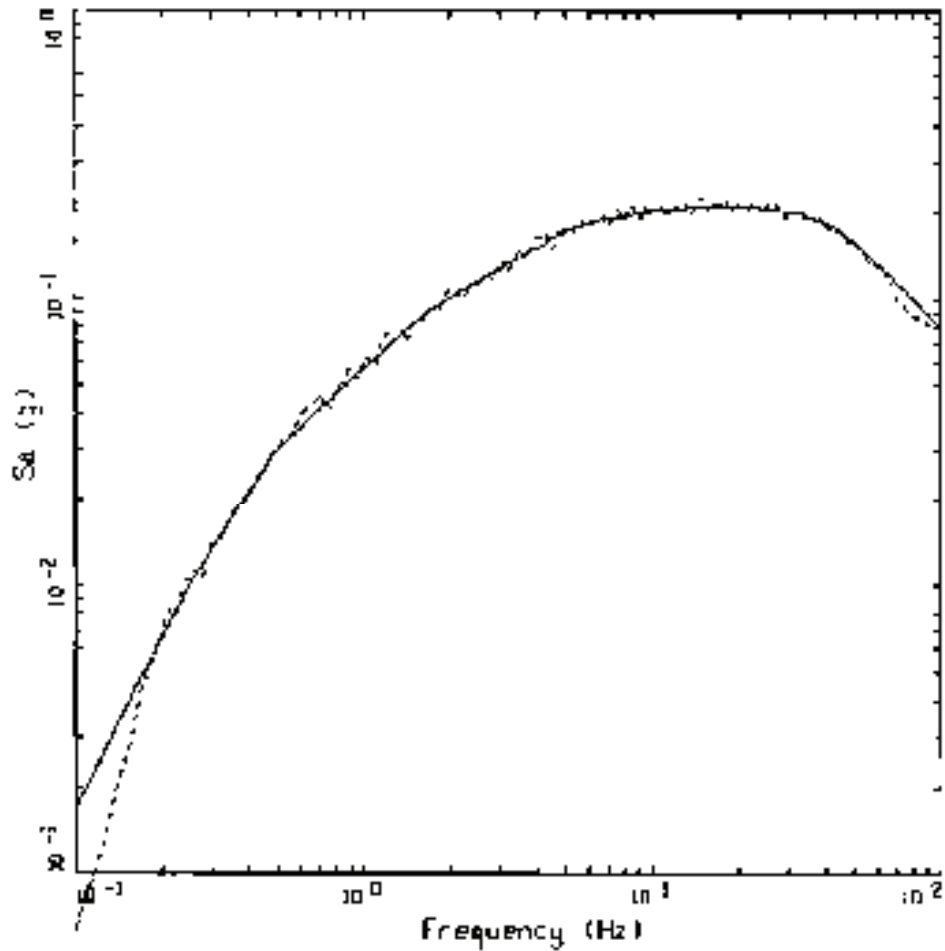
VERTICAL, BRUCE M=6.5, R=100KM, 683M
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITS
 - - - UNITS x 1.1
 - . - UNITS / 1.1



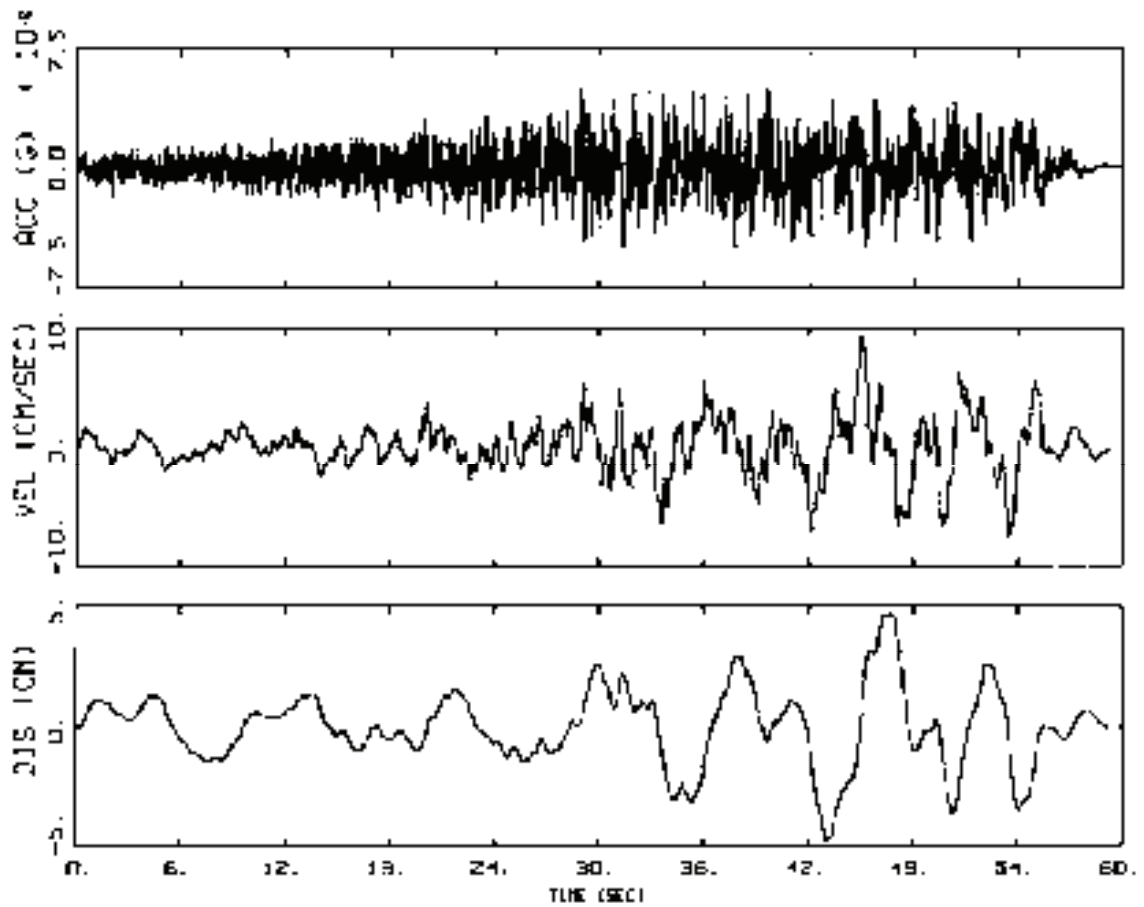
VERTICAL
 BASELINE CORRECTED, BRUCE 1-6.5, R=100KM, 6BCM

LEGEND
 ————— TARGET PGA = 0.079 g
 - - - - - 5% SPECTRA MEAN PGA = 0.081 g

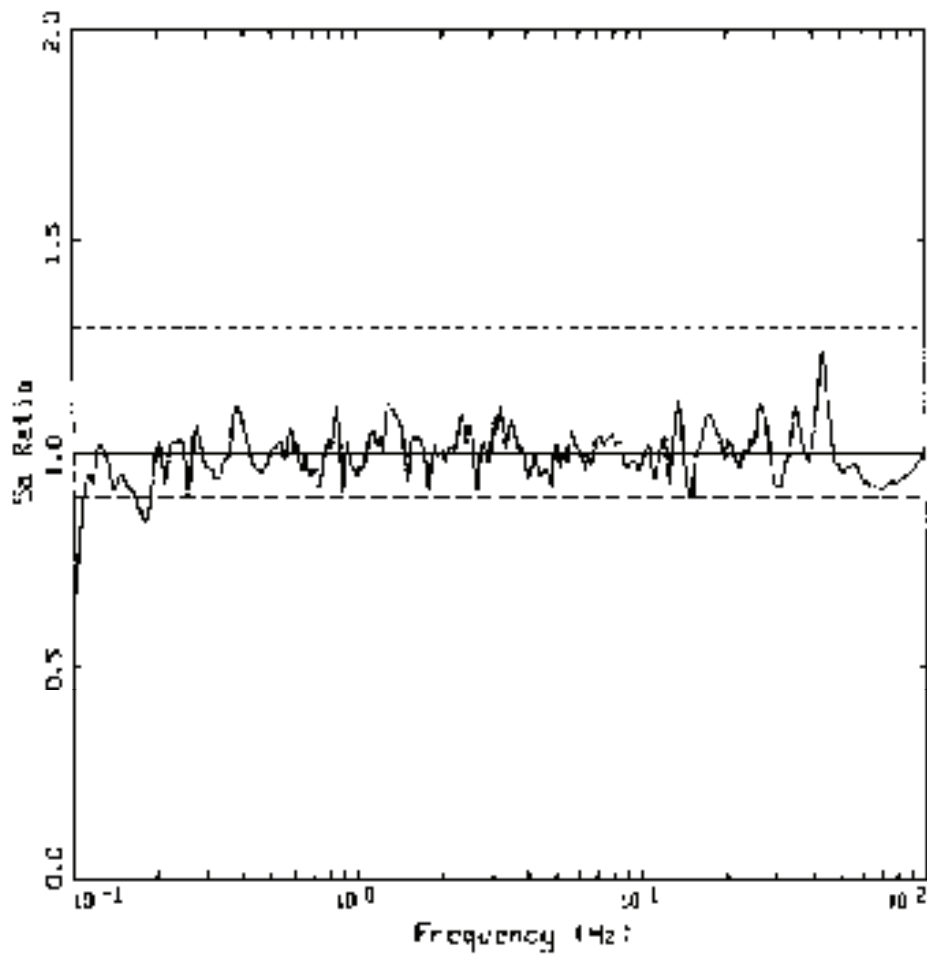


VERTICAL
 BASELINE CORRECTED, BRUCE M=6.5, R=100KM, 6EOM

- JECOMP
- THRU: 5M = 0.075 g
- S 3, SPECTRAL HORIZ. PDR = 0.081 g

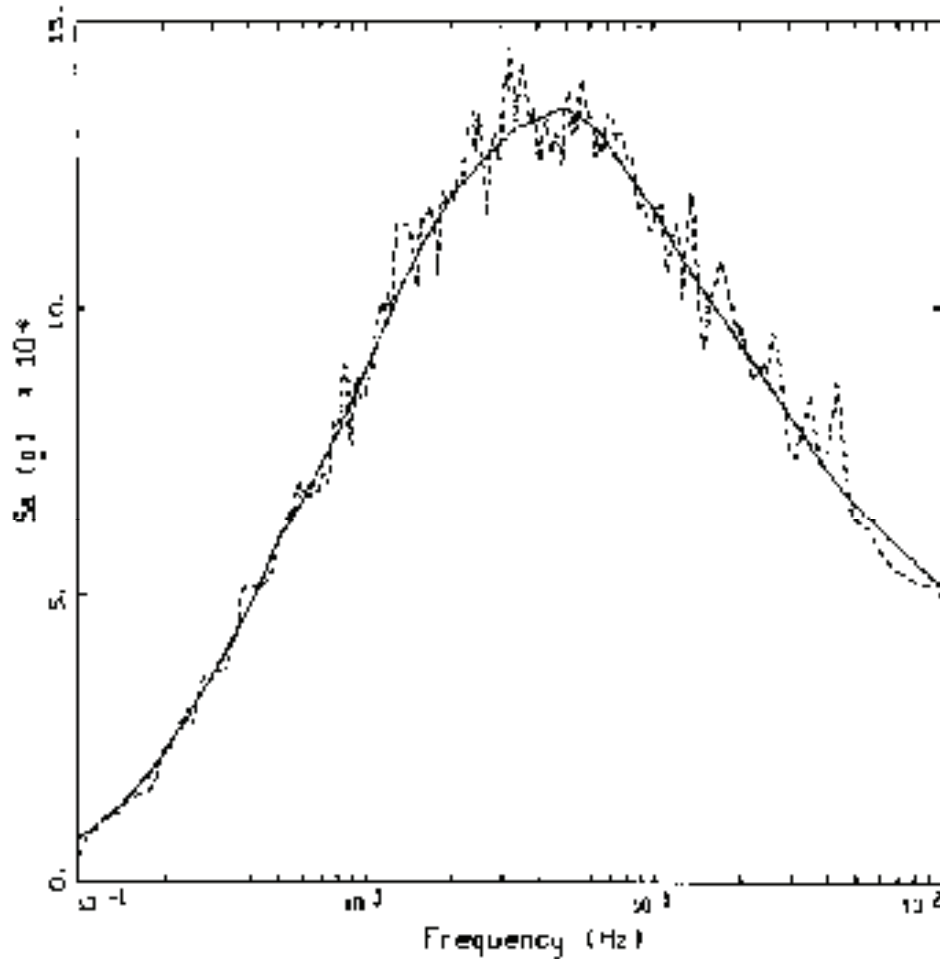


1E-05, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M7.4, R=300KM, 680M



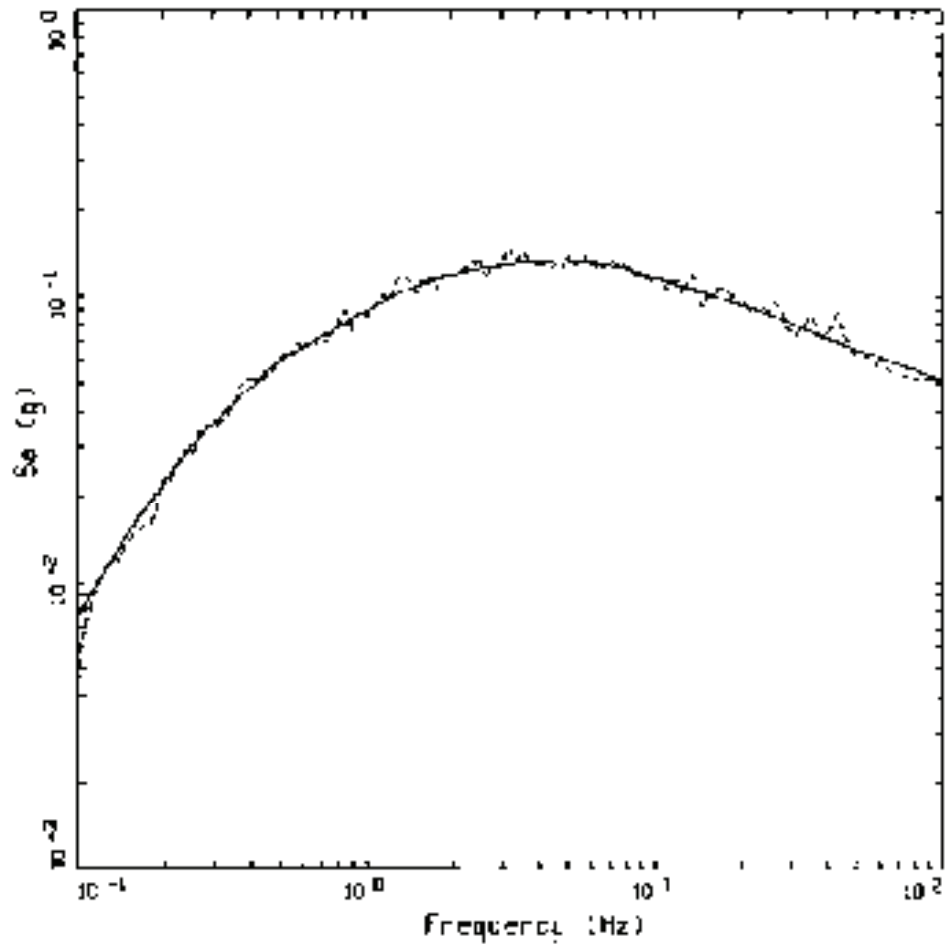
HORIZONTAL: 1, BRIDGE M=7.4, R=310CM, 680M
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNCTY
 - UNCTY = 1.3
 - UNCTY = 0.7



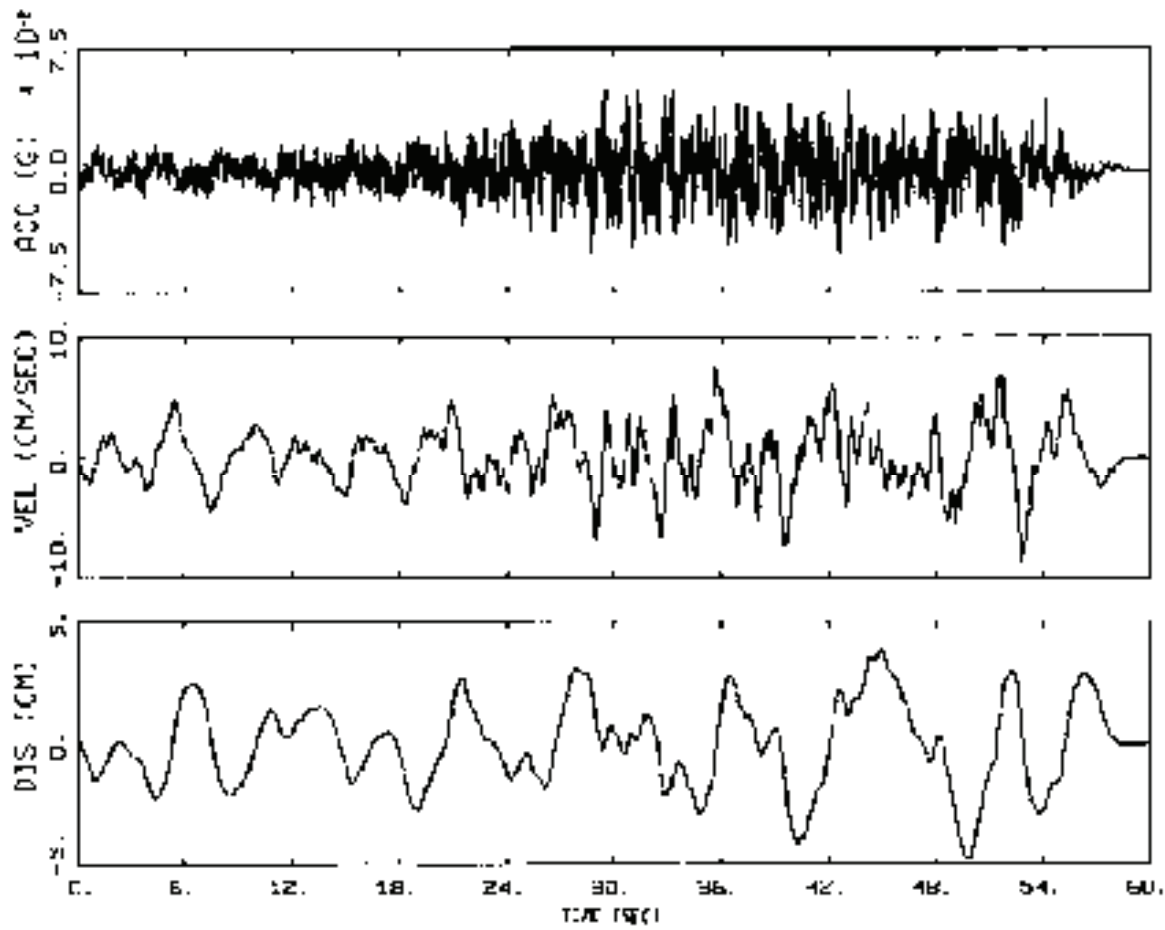
HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M=7.4, R=300KM, 680M

LEGEND
 ——— TARGET; PGA = 0.051 g
 - - - 5 % SPECTRAL MATCH; PGA = 0.052 g

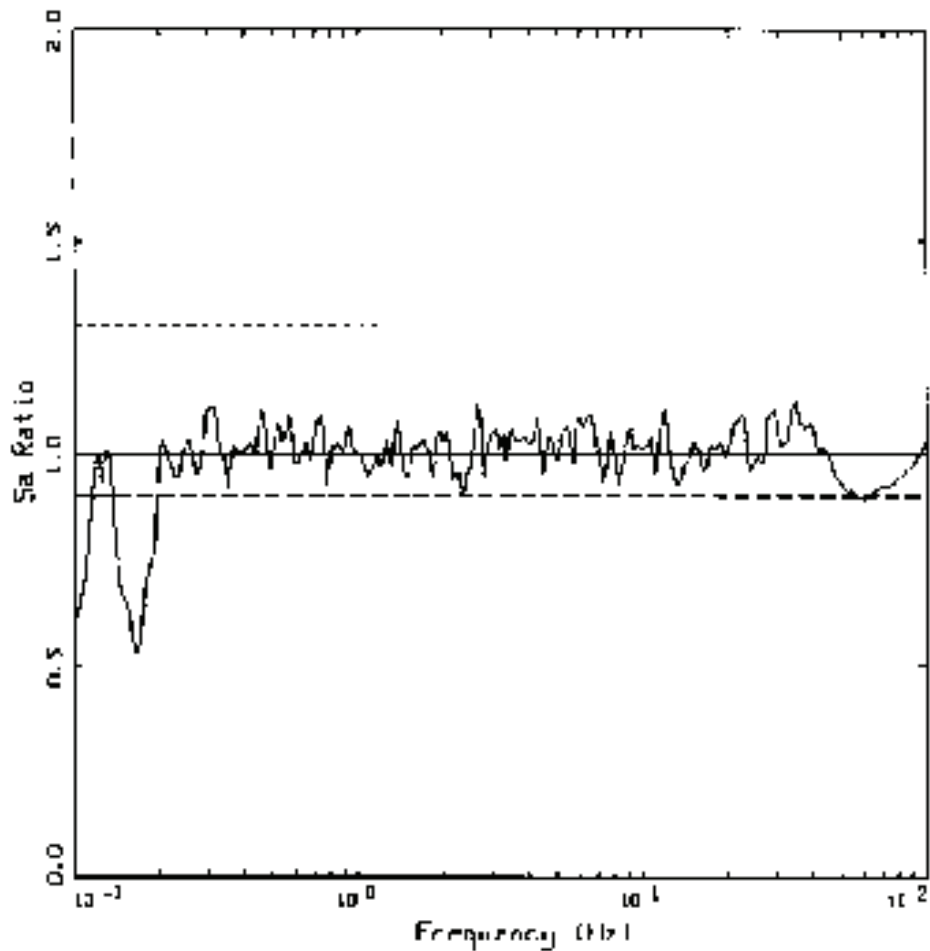


HORIZONTAL 1
 BASELINE CORRECTED, BRUCE N=7.4, R=300KH, 68DH

LEGEND
 ——— TARGET; PGA = 0.051 g
 - - - - 5 % SPECTRAL PEAK; PGA = 0.052 g

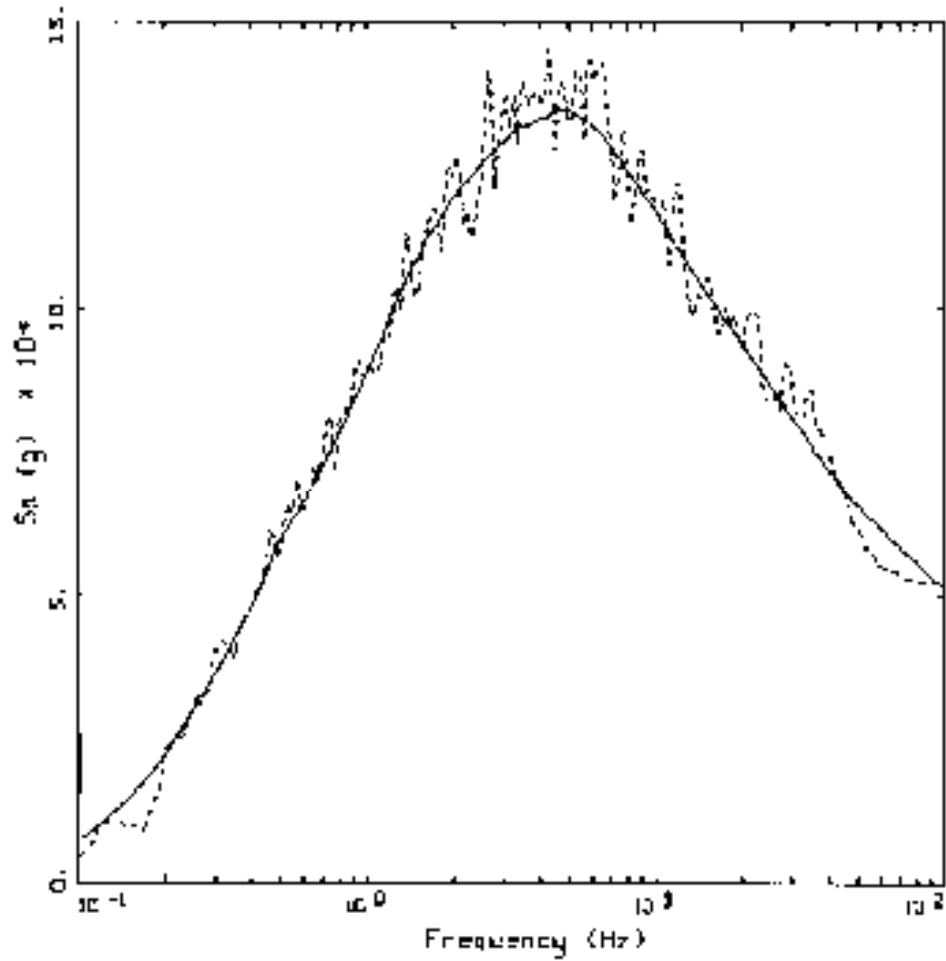


1E-05, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M7.4, R=300KM, 68CM



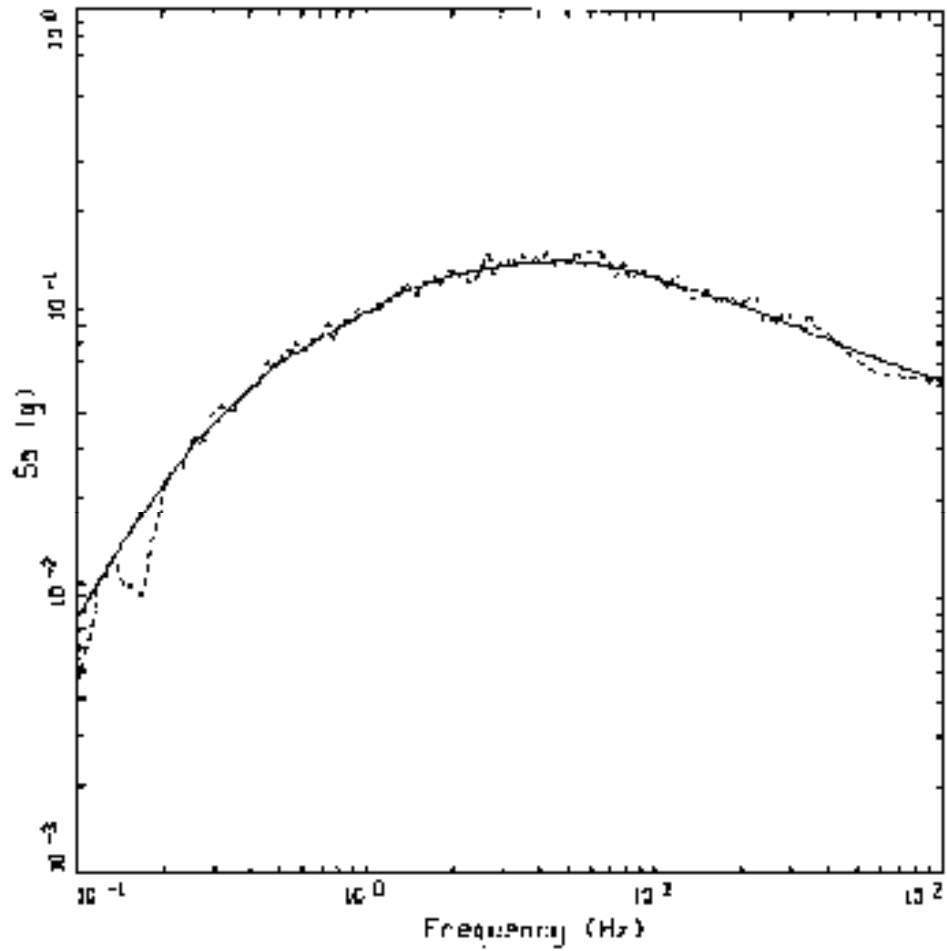
HORIZONTAL 2, BRUCE M-7.4, P-300KM, 6SDM
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.441

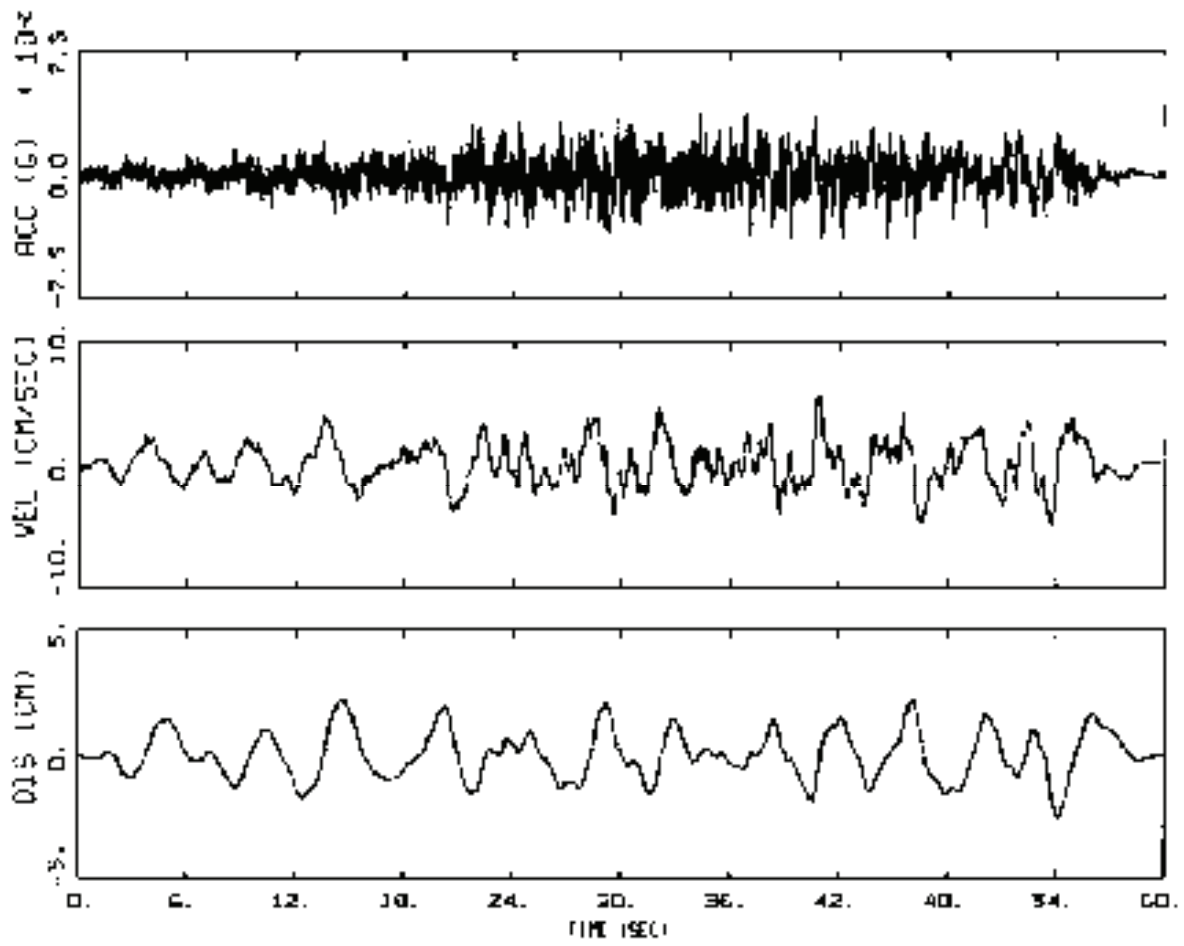


HORIZONTAL 2
 BASELINE CORRECTED, BRUCE N-7.4, N-JULIUM, 6/1/01

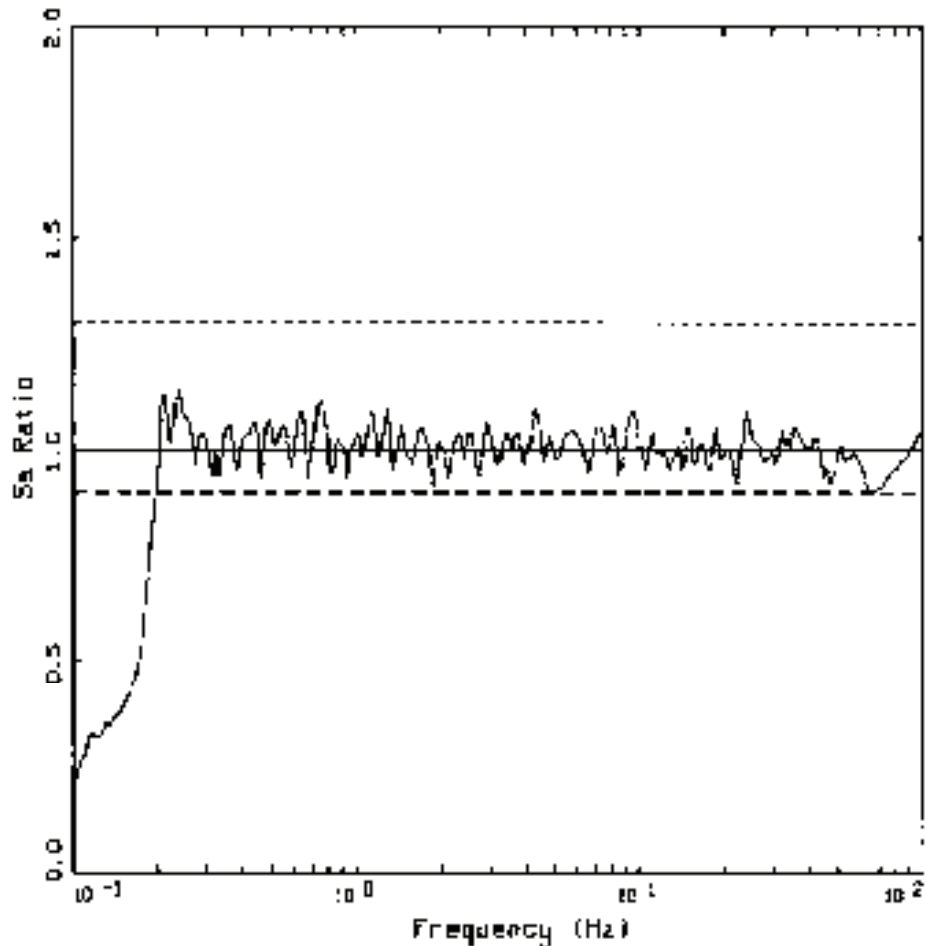
LEGEND
 ——— TARGET; PGA = 0.051 g
 - - - - - 5 % SPECTRAL MATCH; PGA = 0.058 g



LEGEND
 ——— TARGET; P/A = 0.351 g
 - - - - 5 % SPECTRAL RATIO; P/A = 0.053 g

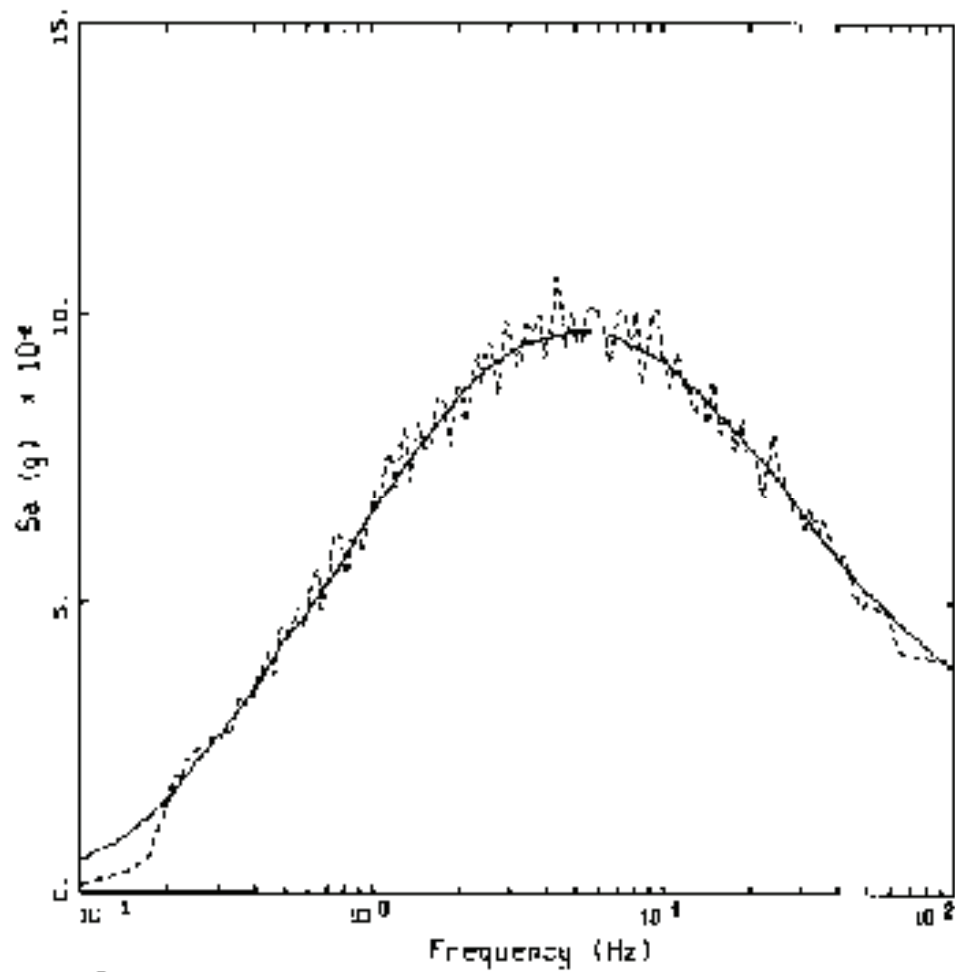


1E-05, VERTICAL
BASELINE CORRECTED, DRUCE M7.4, R=300KM, 68CM



VERTICAL, BRIDGE 1-7.4, R=300KM, 0.03M
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.333



VERTICAL, BRUCE M=7.4, R=30CKM, 680M
 BASELINE CORRECTED

LEGEND
 ——— TARGET; PGA = 0.038 g
 - - - - 5 % SPECTRAL MATCH; PGA = 0.041 g

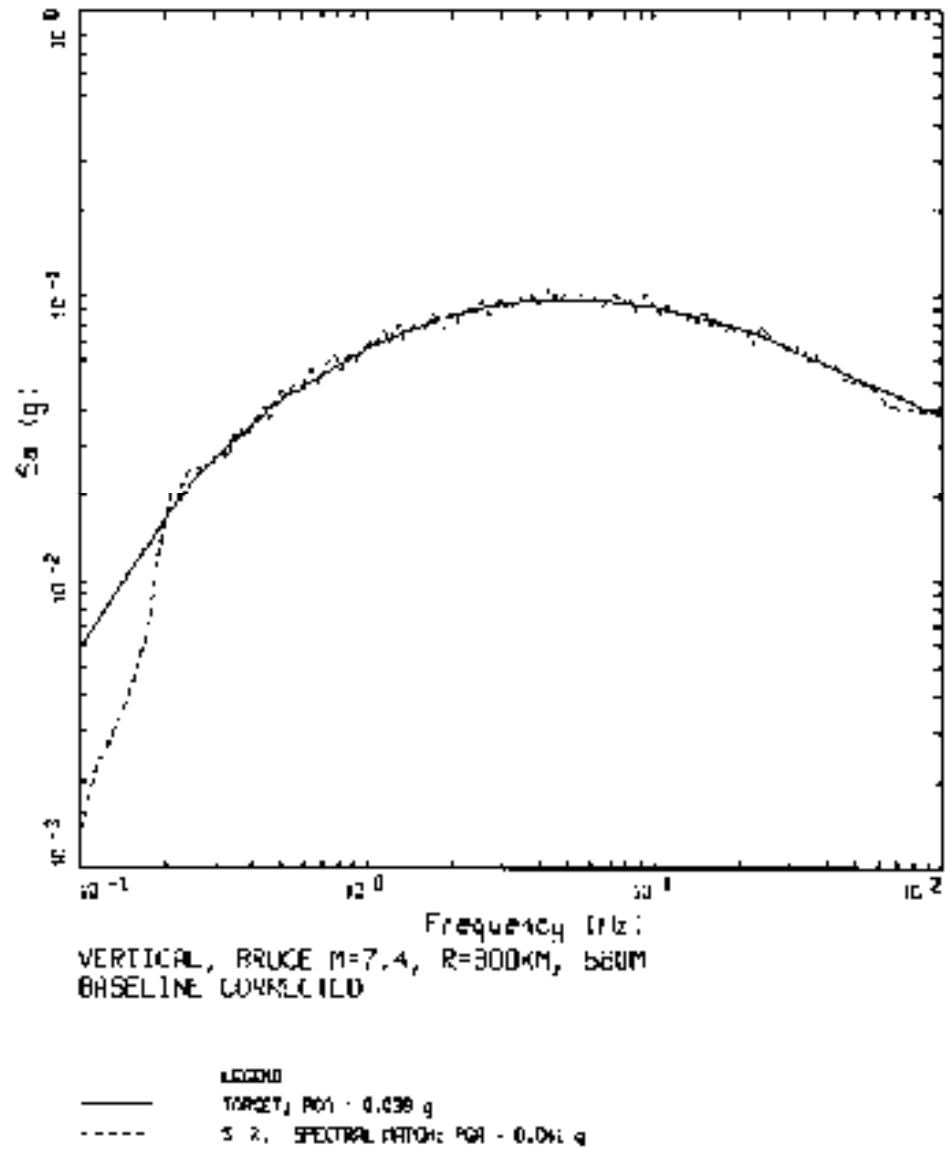
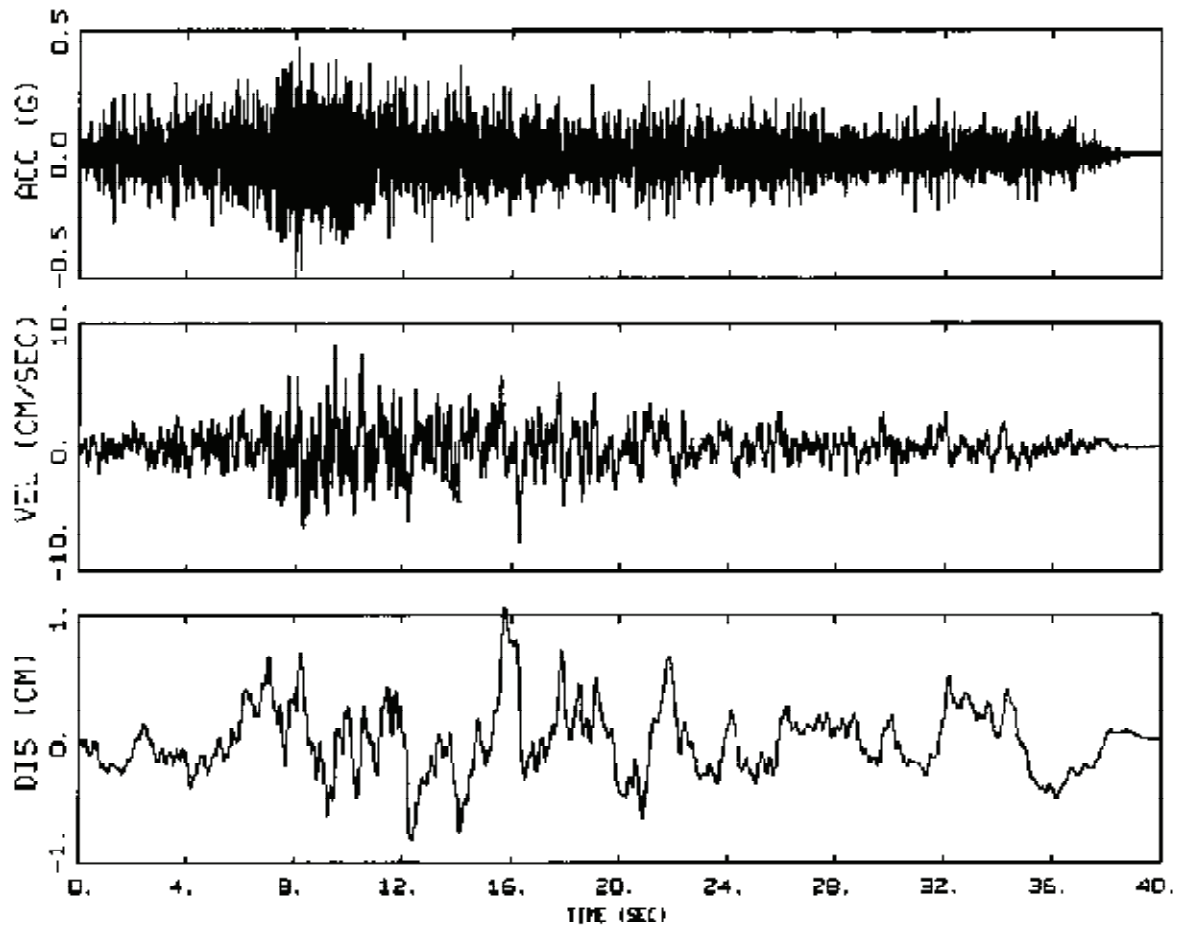
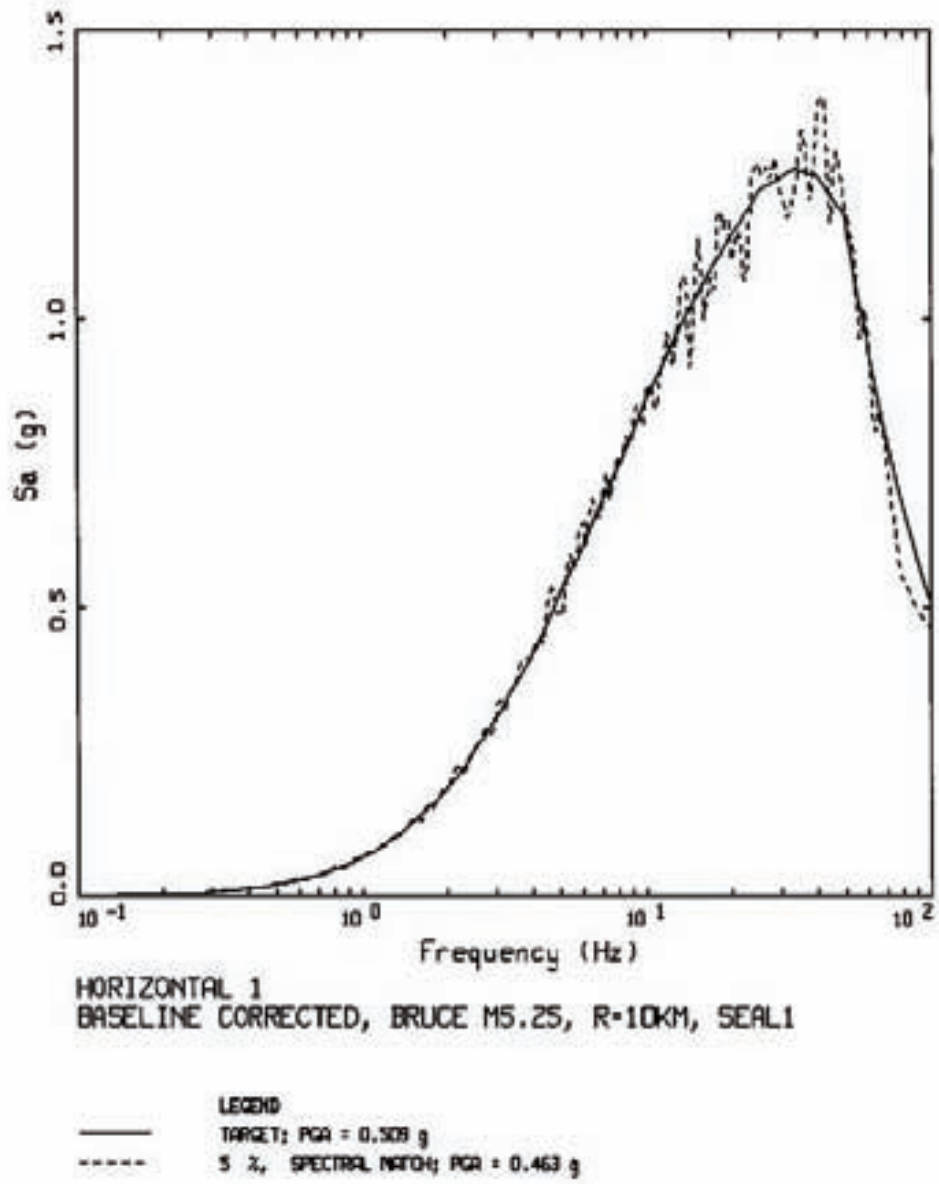
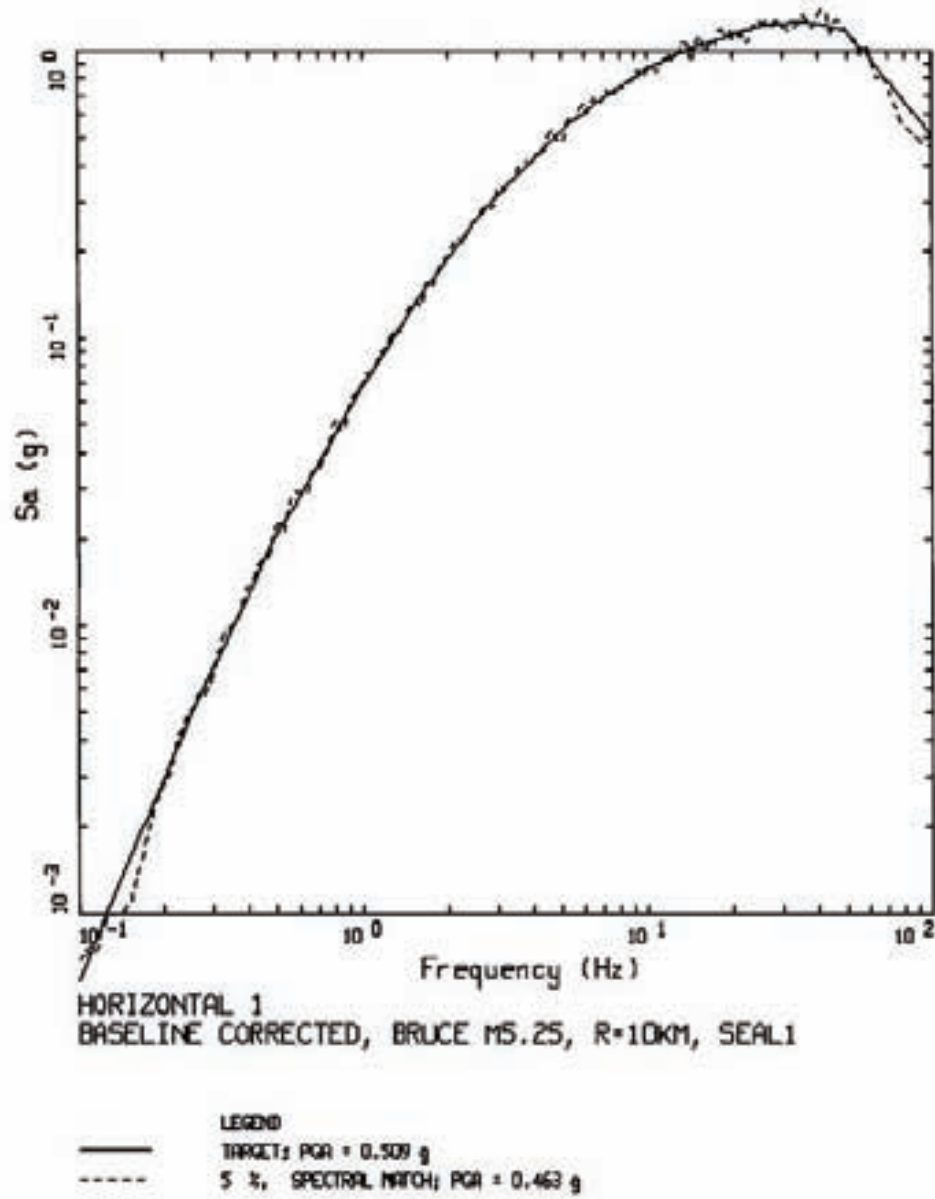


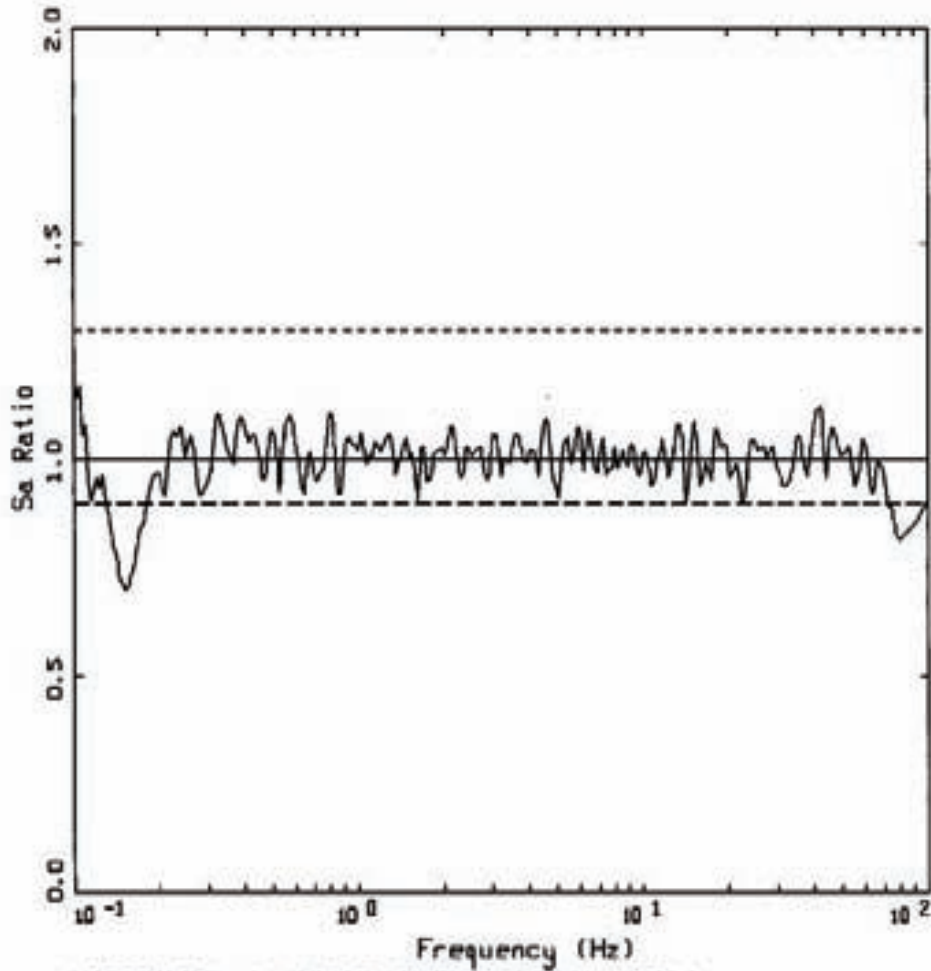
Figure B6. Acceleration, velocity, displacement time histories, spectral match (linear and log S_a axes), and ratios of target design spectrum to match spectrum, Horizontal (H1 and H2) and vertical components for all three design spectra: Seals 1, AEF 10^{-6} .



1E-06, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M5.25, R=10KM, SEAL1

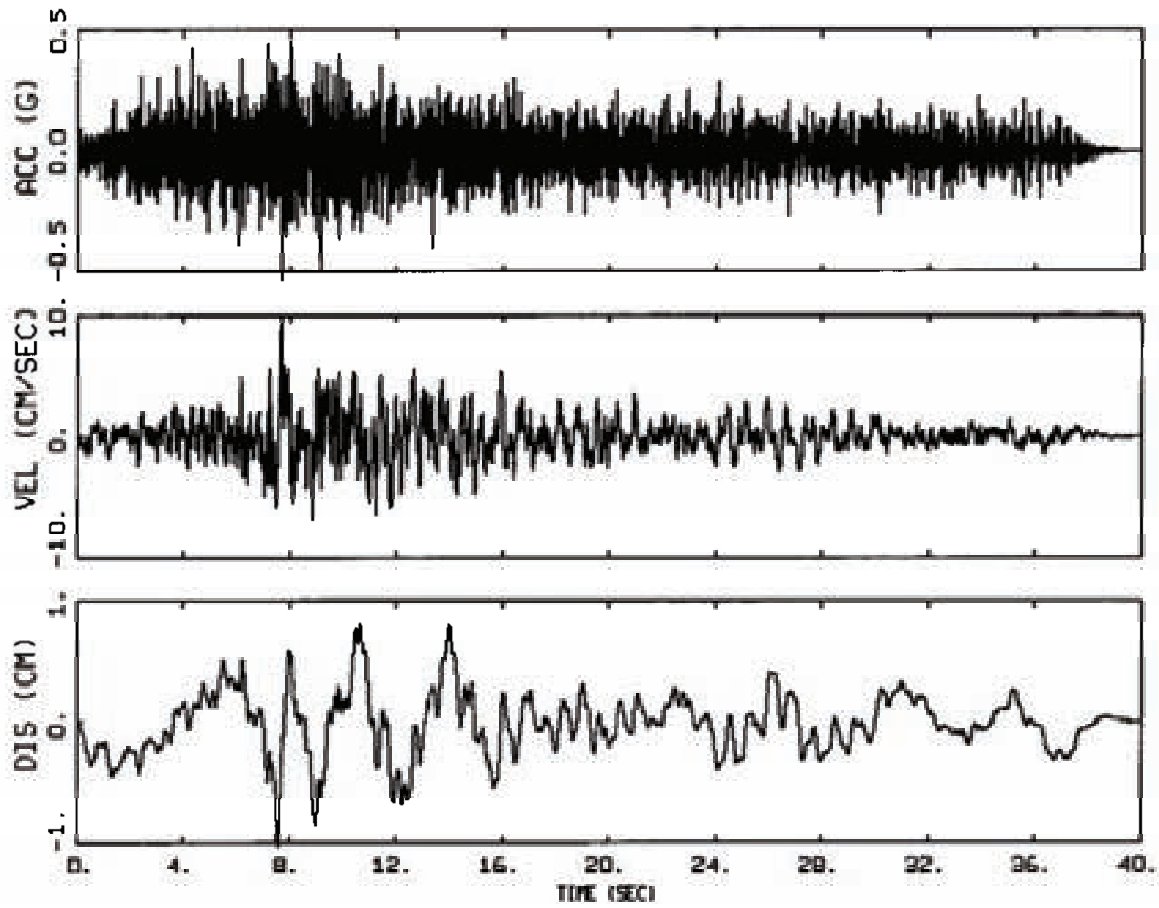




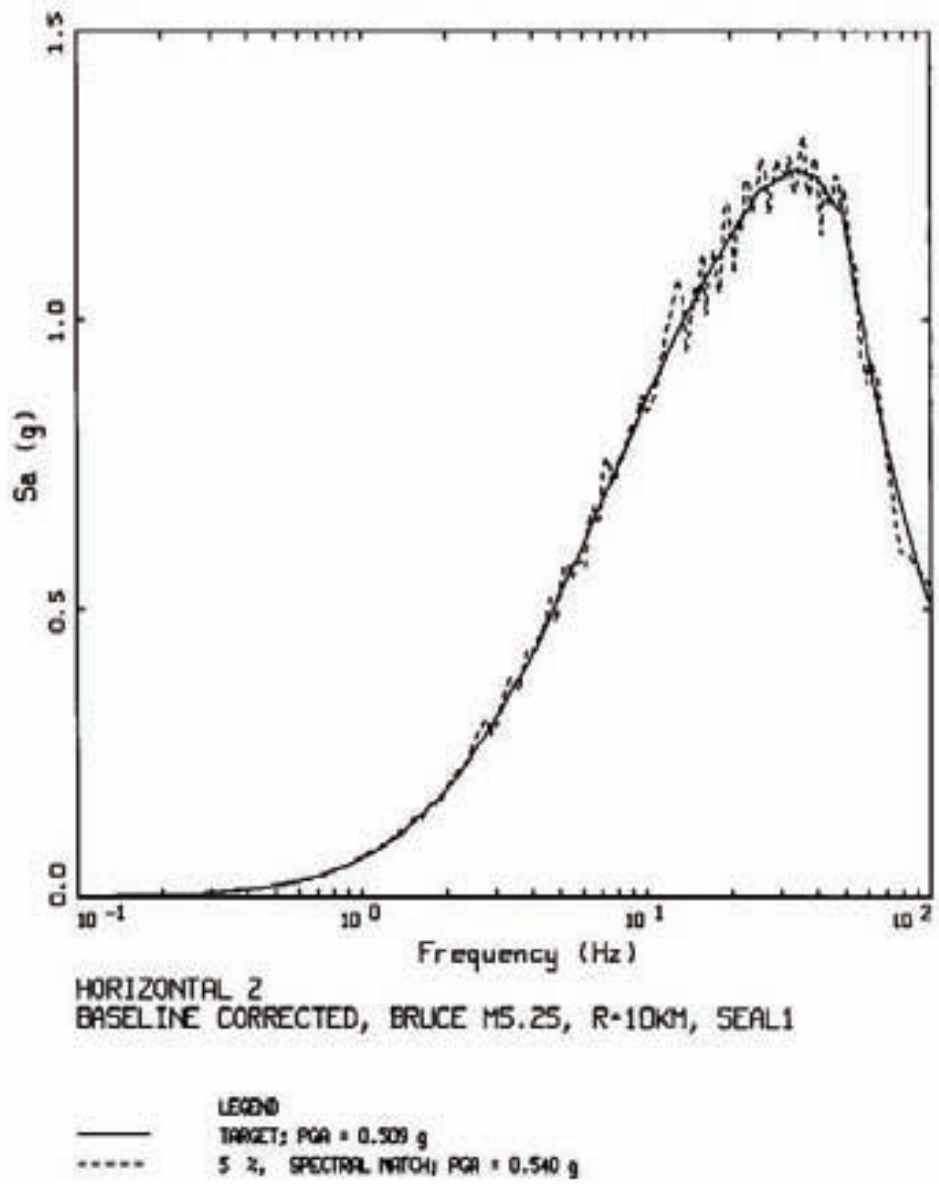


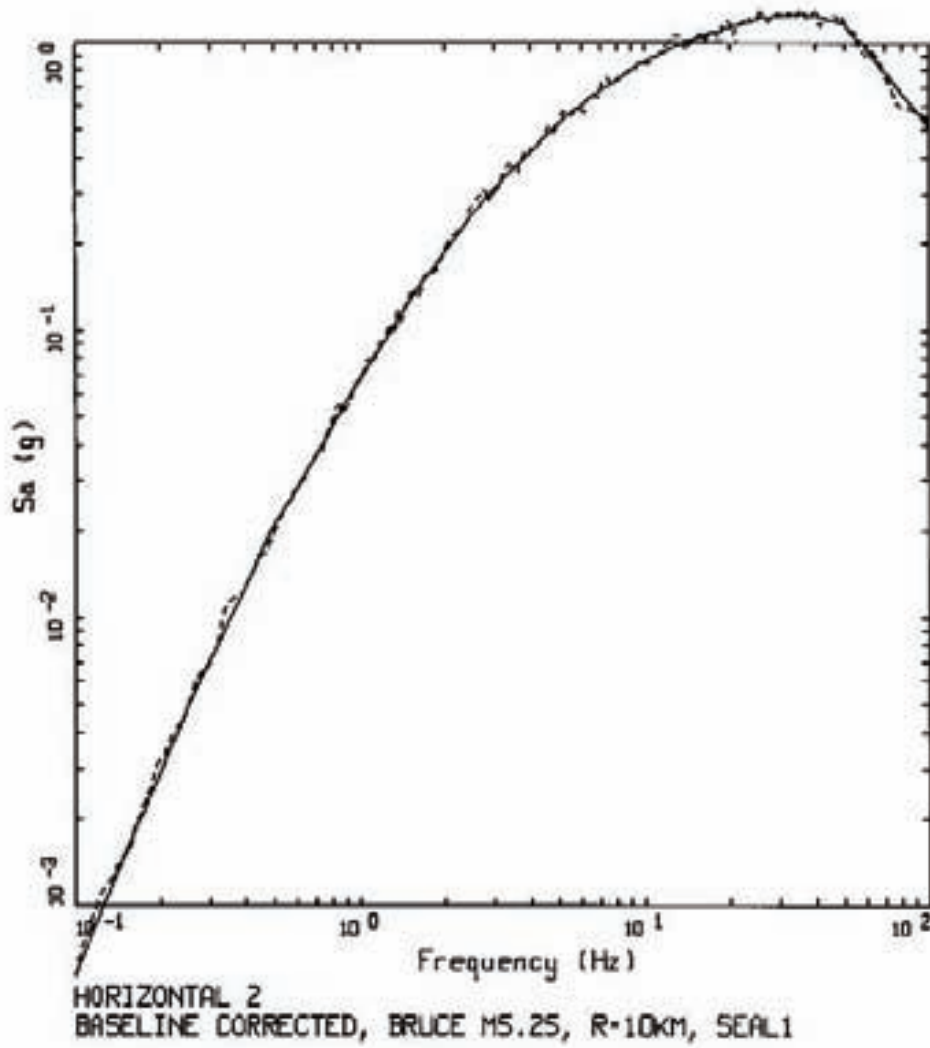
HORIZONTAL 1, BRUCE MS.25, R=10KM, SEAL1
SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111

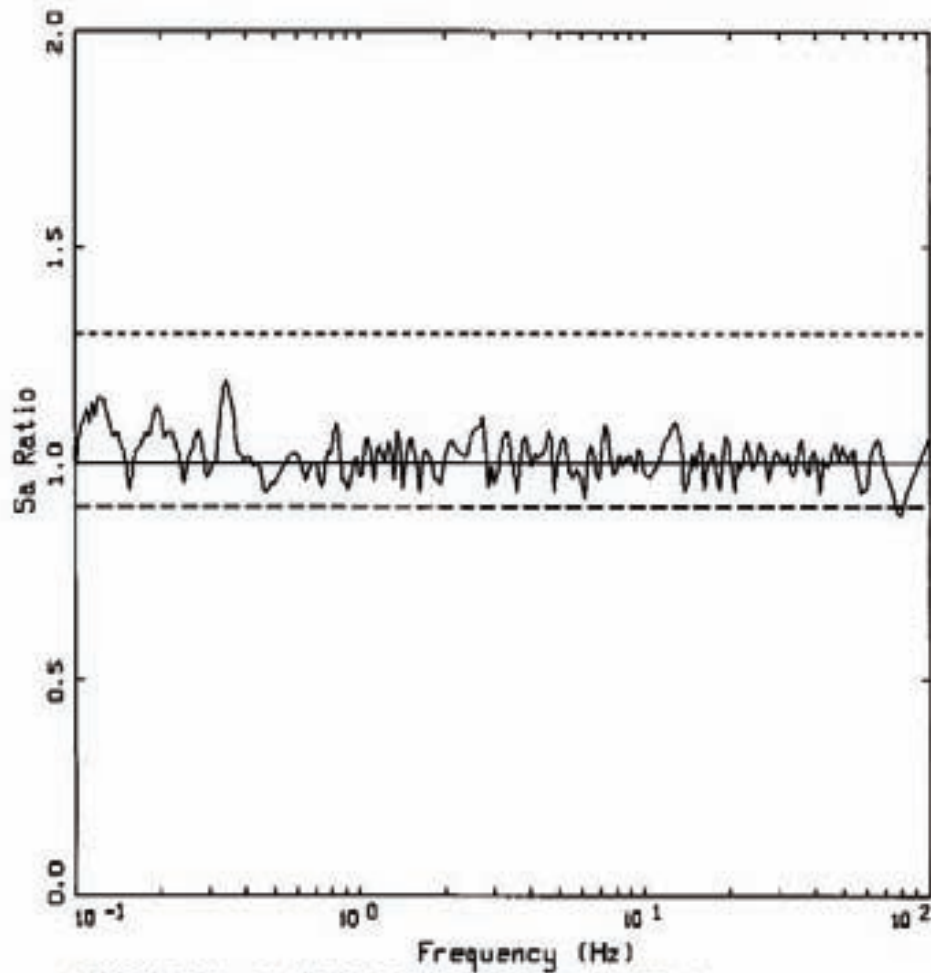


1E-06, HORIZONTAL 2
BASELINE CORRECTED, BRUCE MS.25, R=10KM, SEAL1



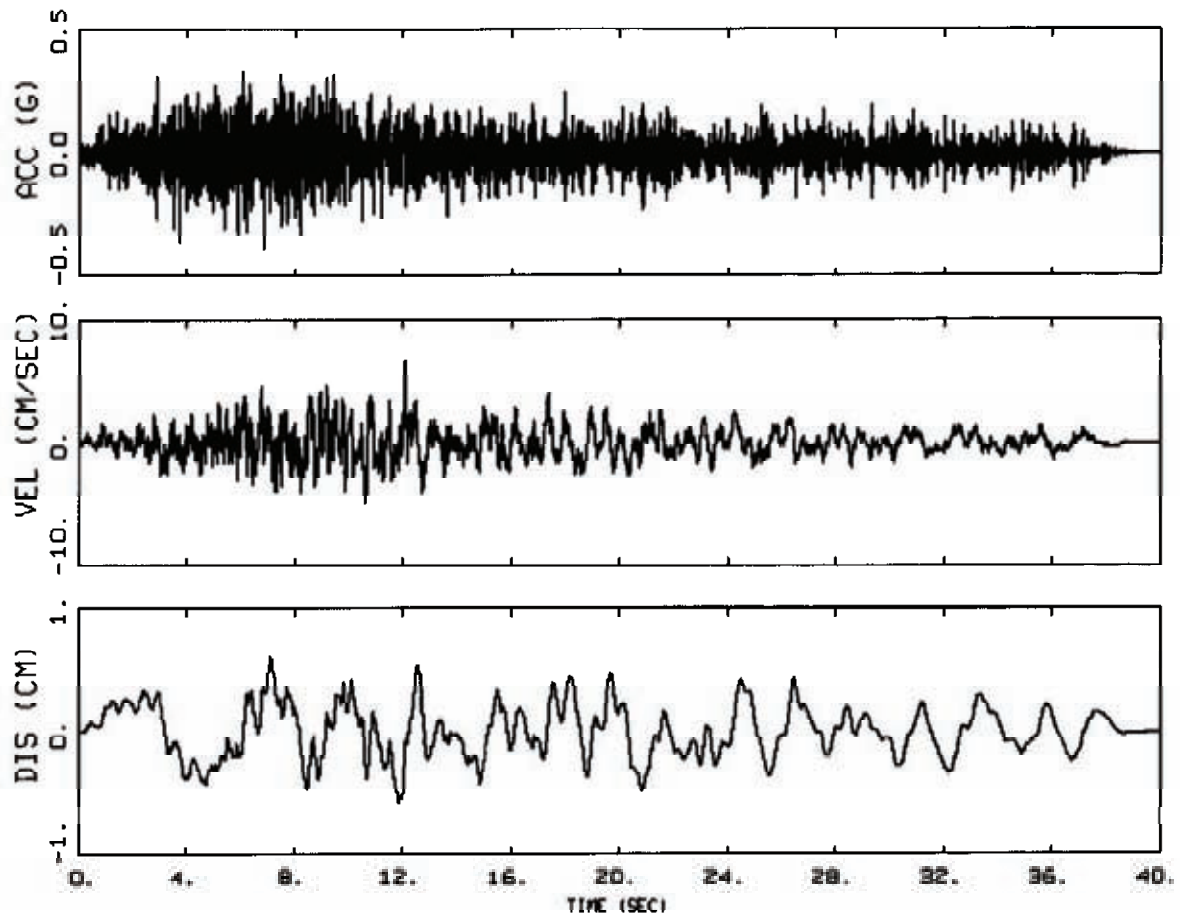


———— LEGEND
 TARGET; PGA = 0.508 g
 - - - - - 5 %, SPECTRAL NOTCH; PGA = 0.548 g

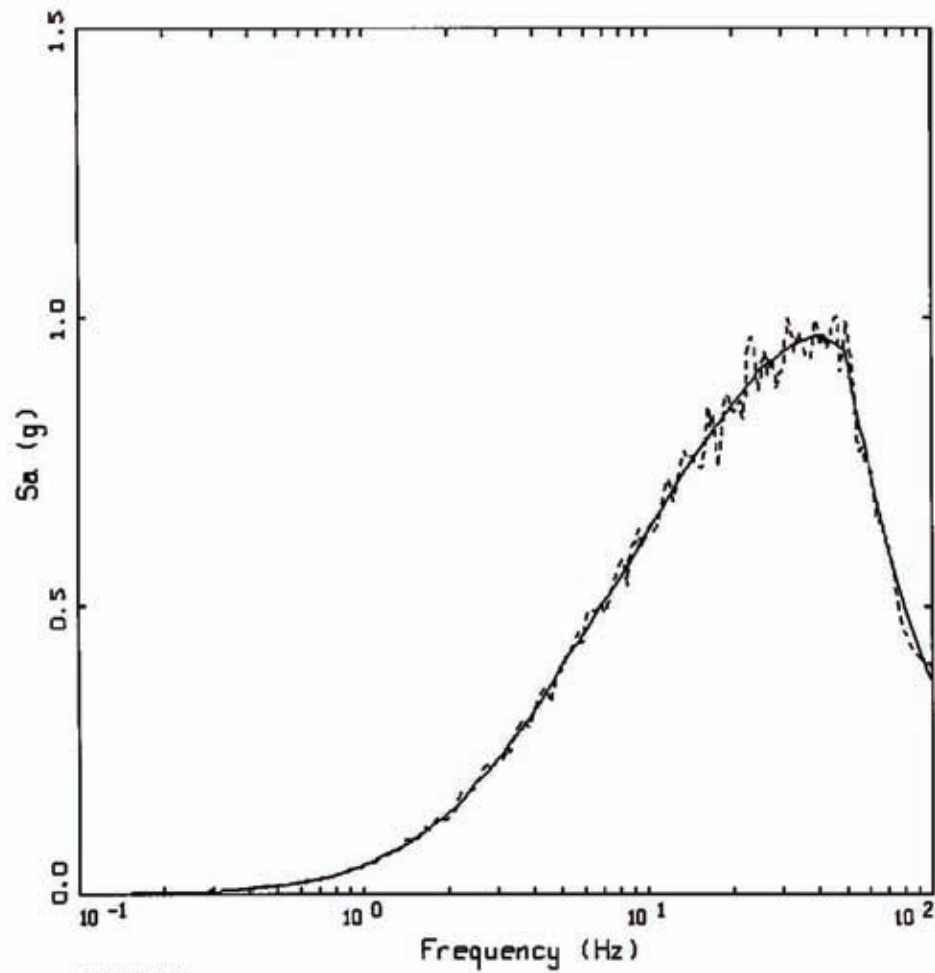


HORIZONTAL 1, BRUCE MS.25, R=10KM, SEAL1
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111

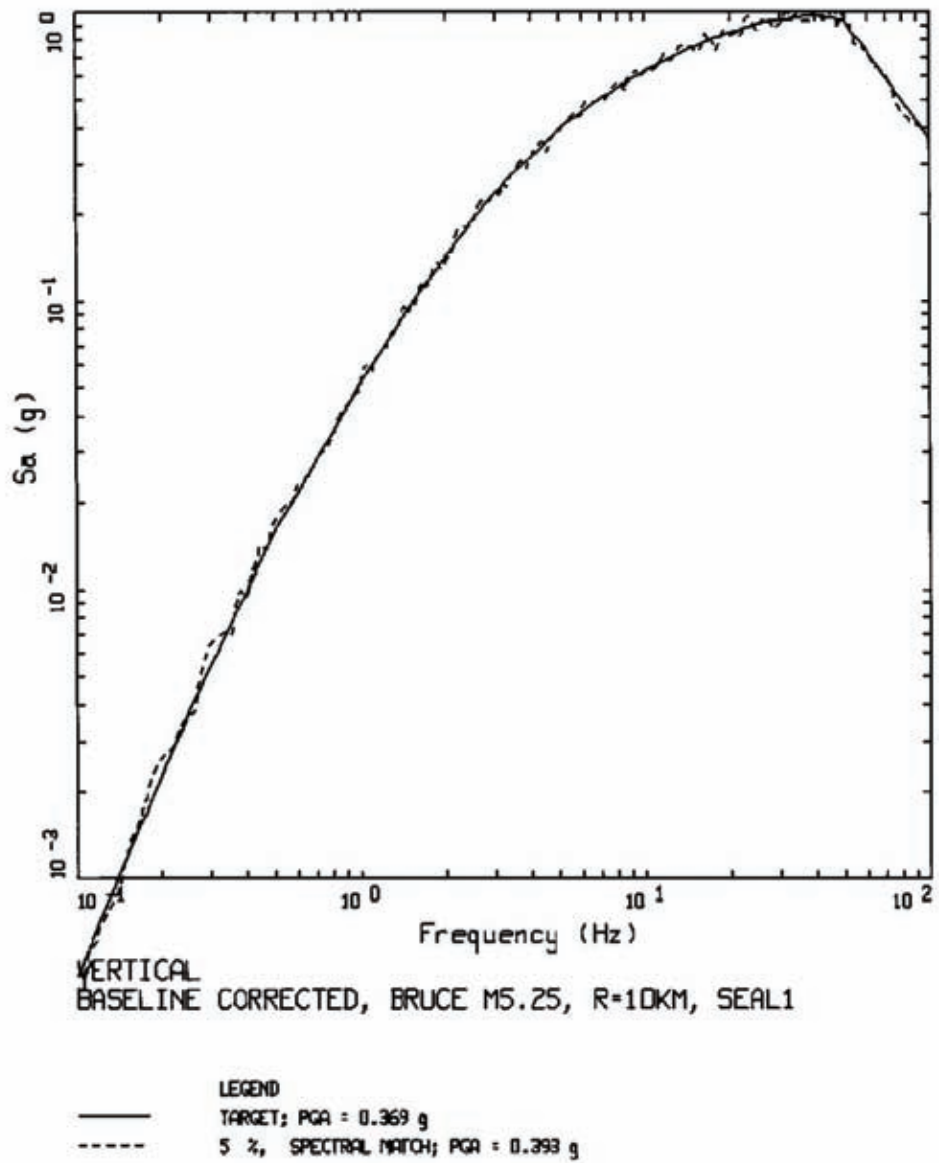


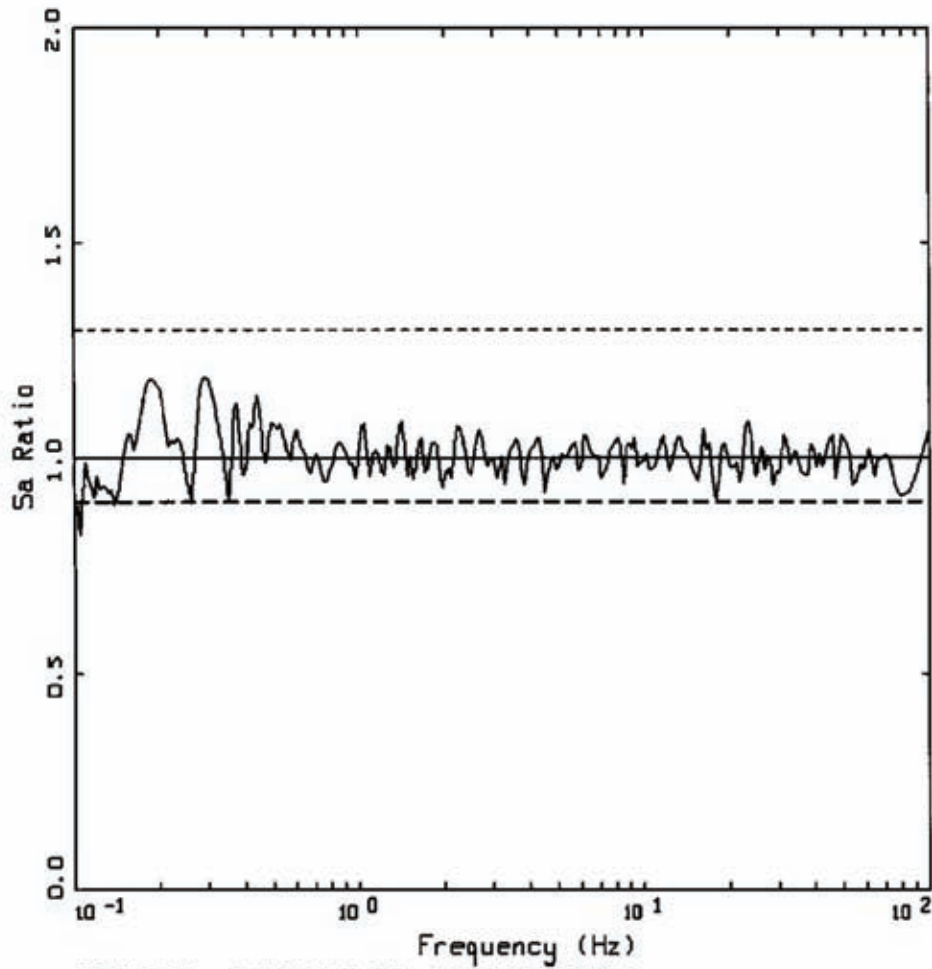
1E-06, VERTICAL
BASELINE CORRECTED, BRUCE MS.25, R=10KM, SEAL1



VERTICAL
 BASELINE CORRECTED, BRUCE MS.25, R=10KM, SEAL1

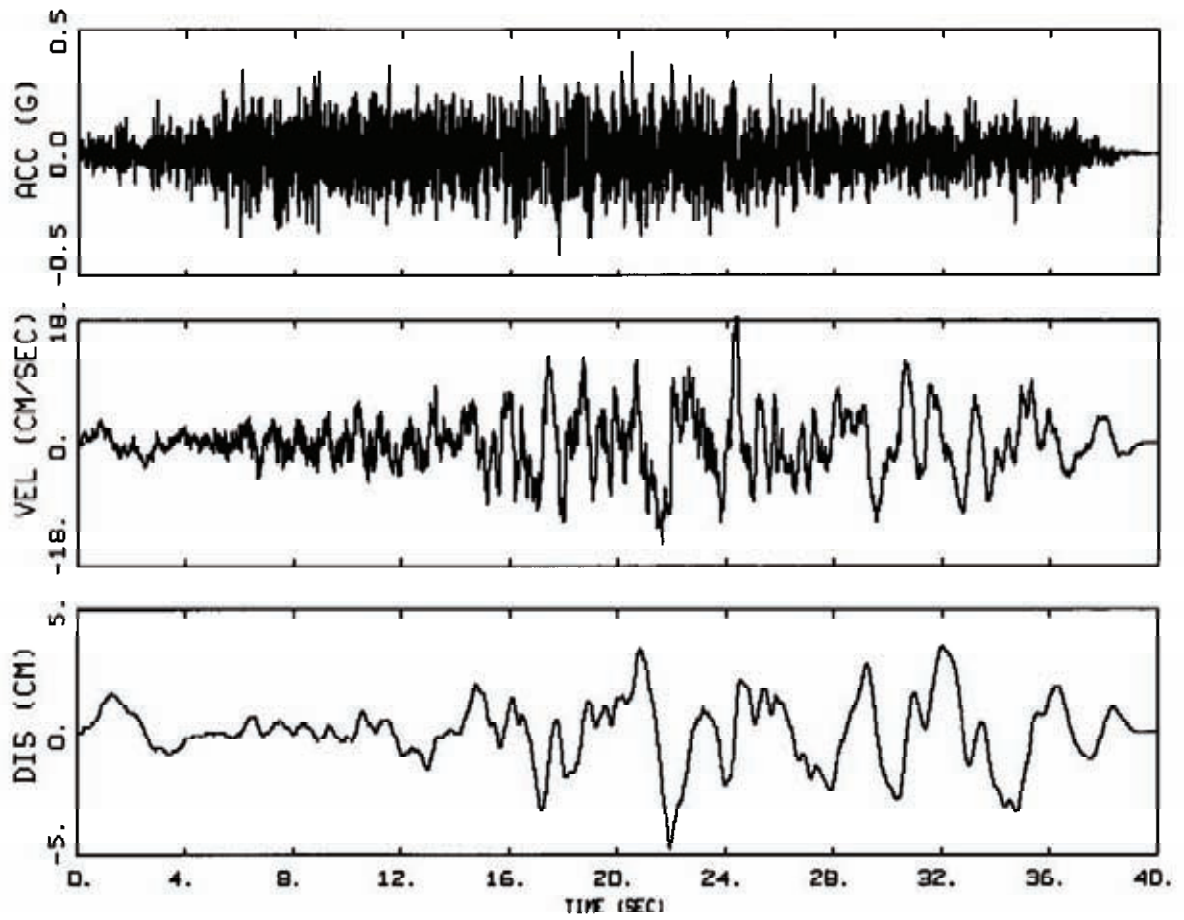
LEGEND
 ——— TARGET; PGA = 0.369 g
 - - - - 5 %, SPECTRAL MATCH; PGA = 0.393 g



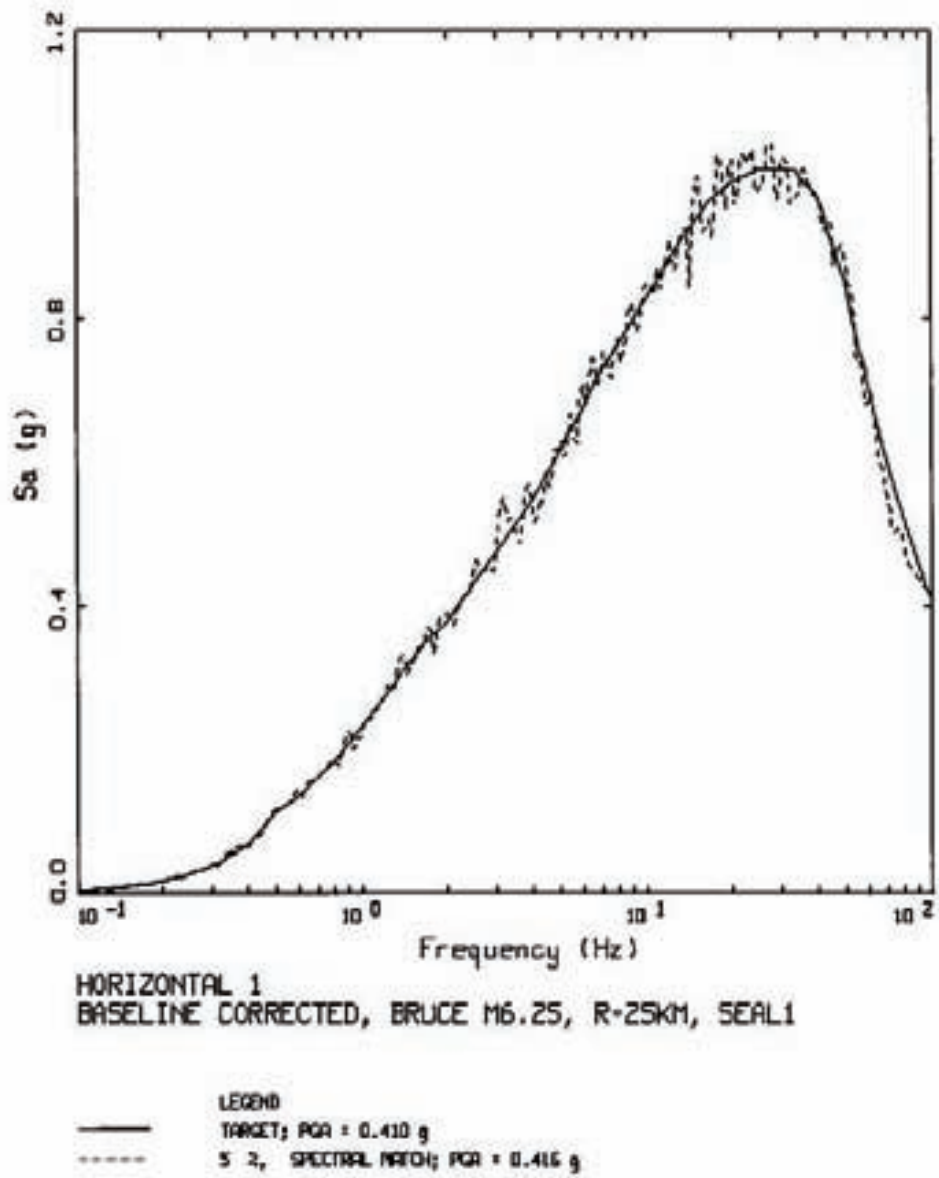


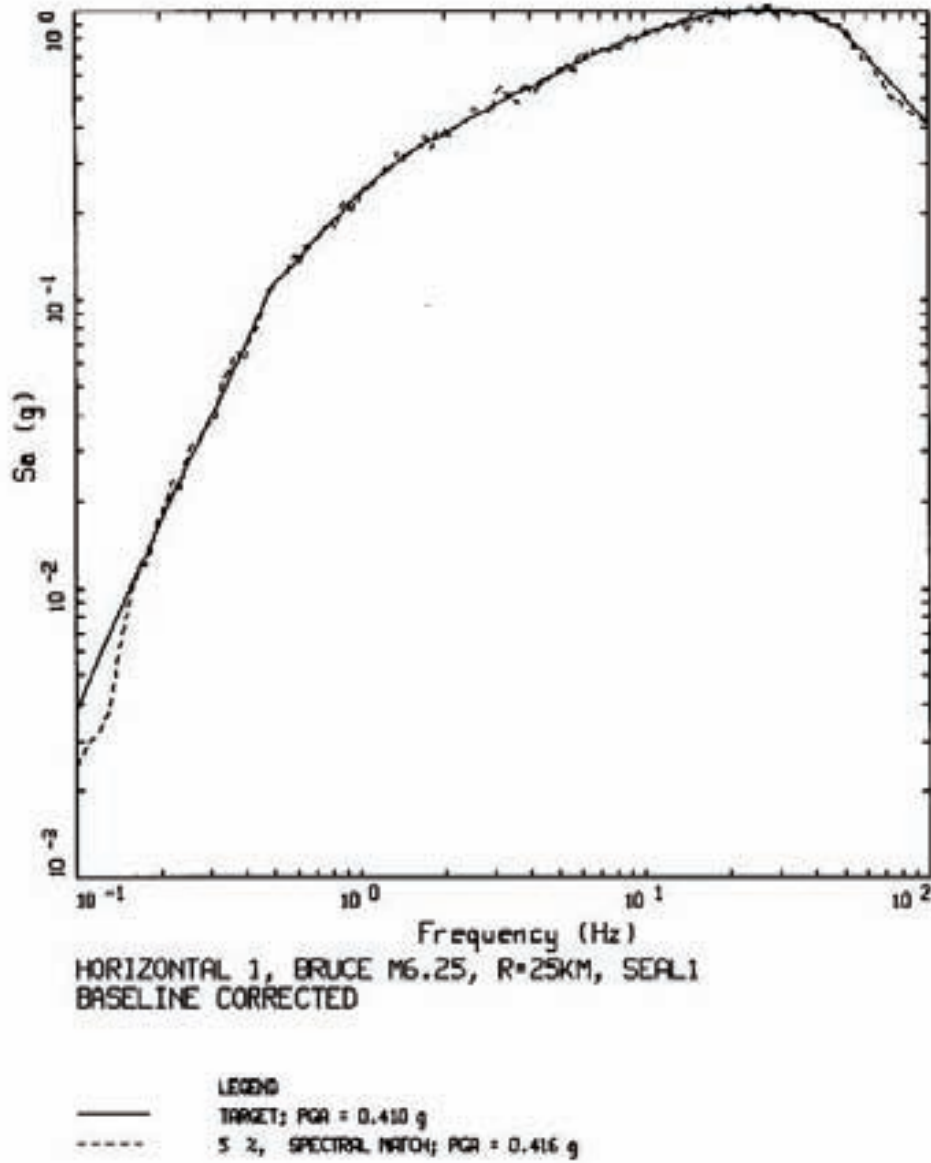
VERTICAL, BRUCE MS.25, R=10KM, SEAL1
 SPECTRAL RATIO: MATCH/TARGET

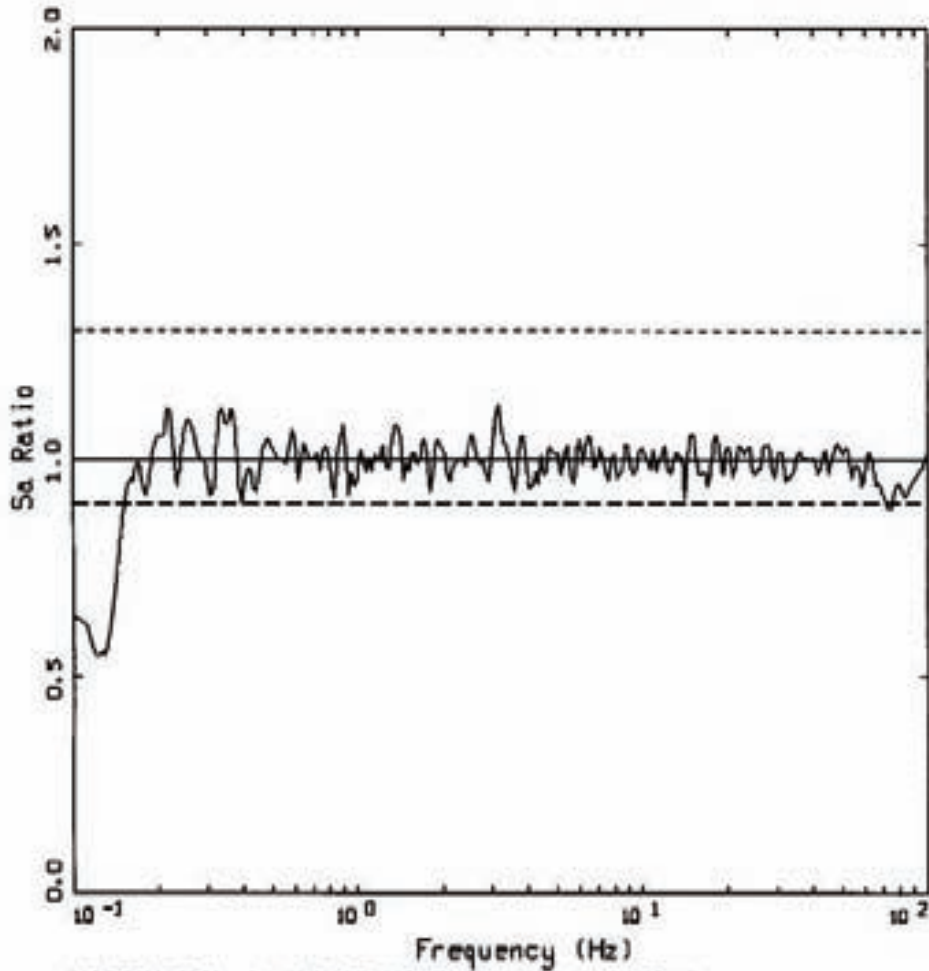
- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111



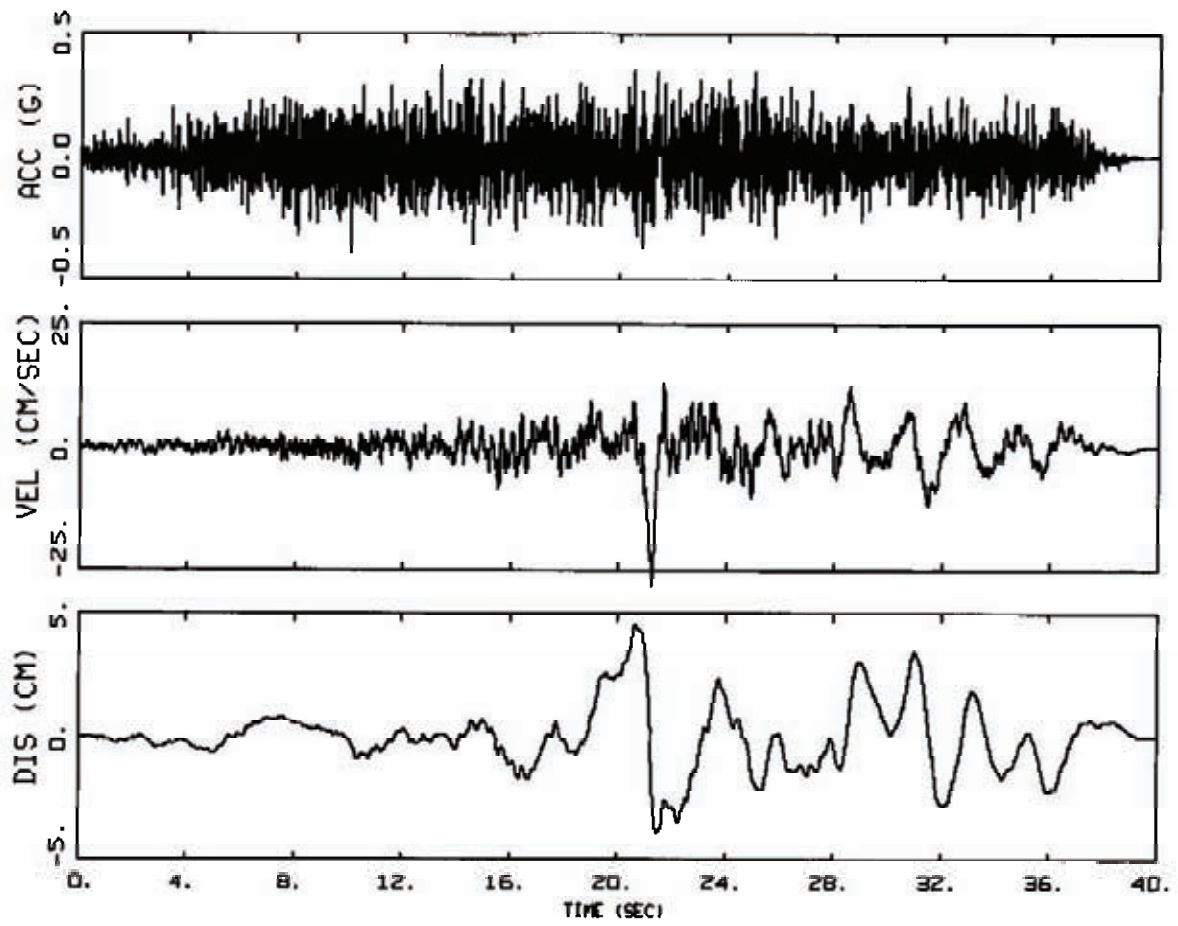
1E-06, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEAL1



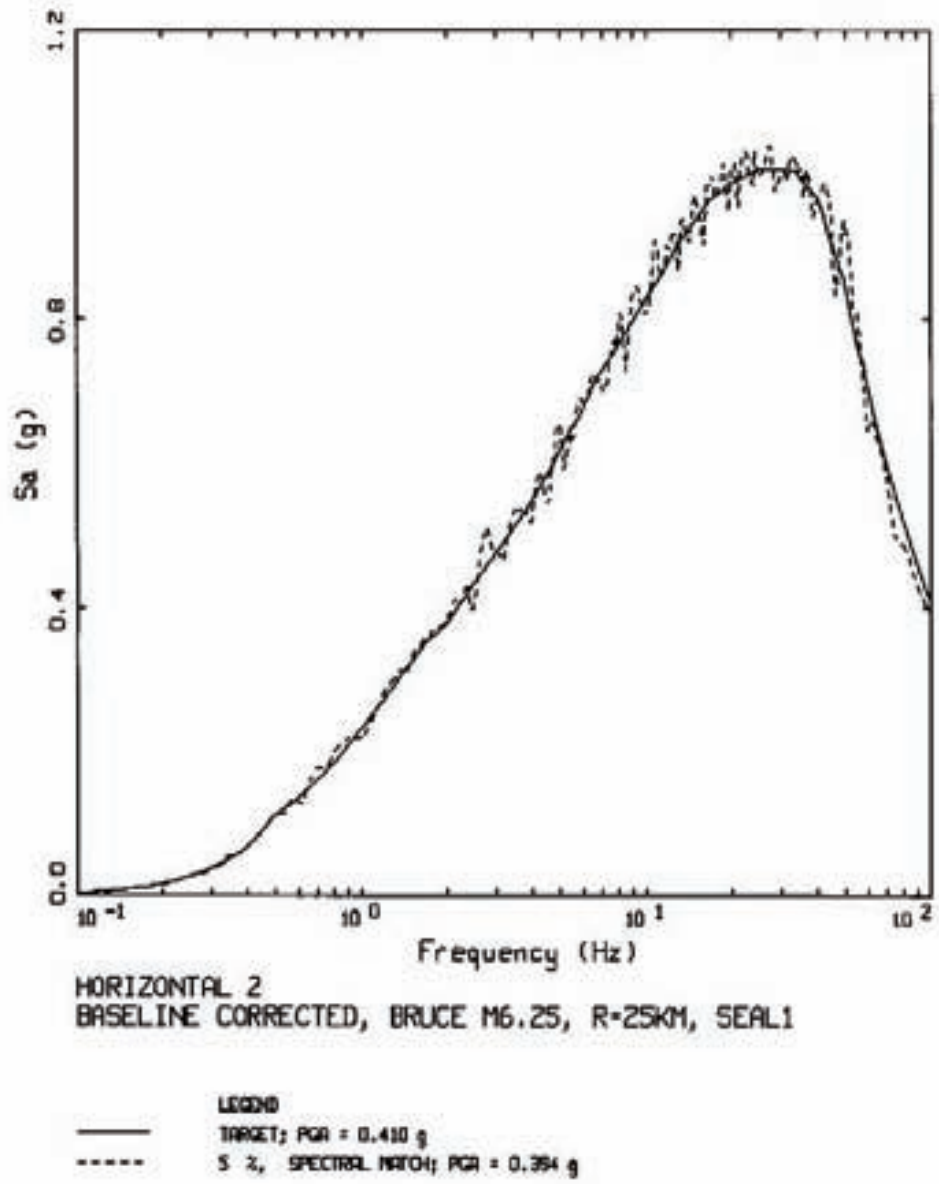


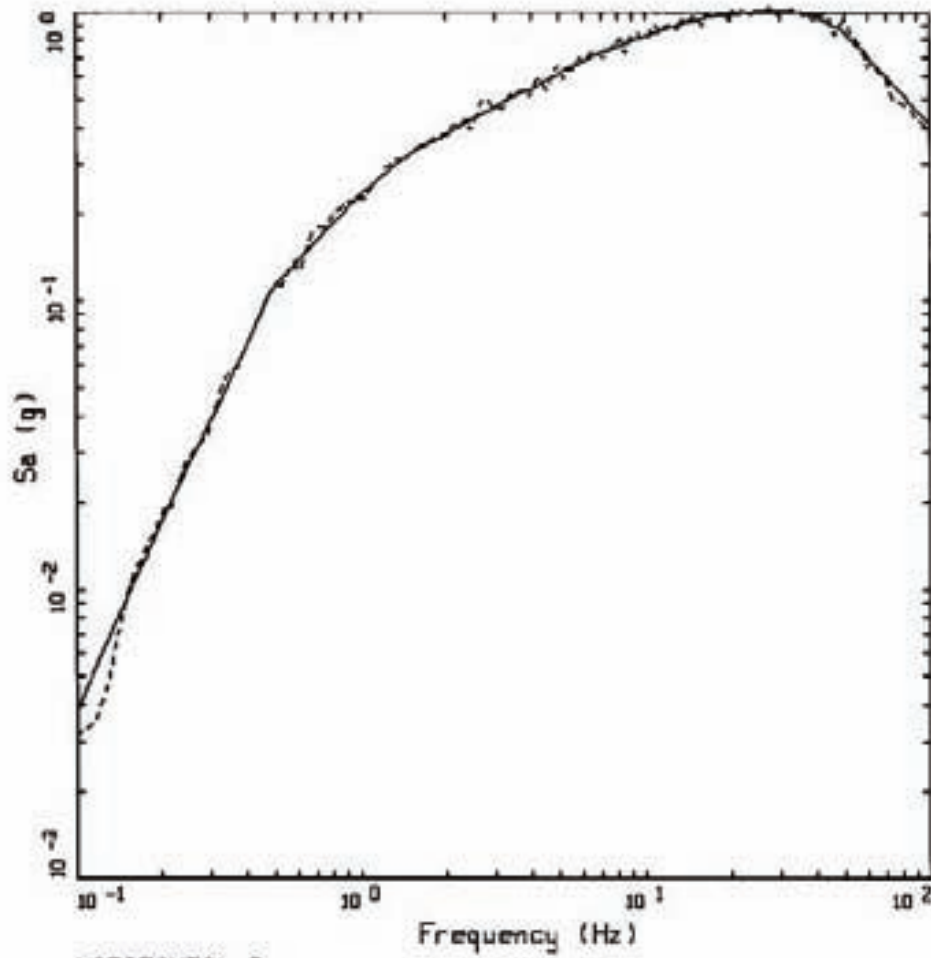


LEGEND
—— SA RATIO: MATCH/TARGET
—— UNITY
----- UNITY * 1.3
----- UNITY / 1.111



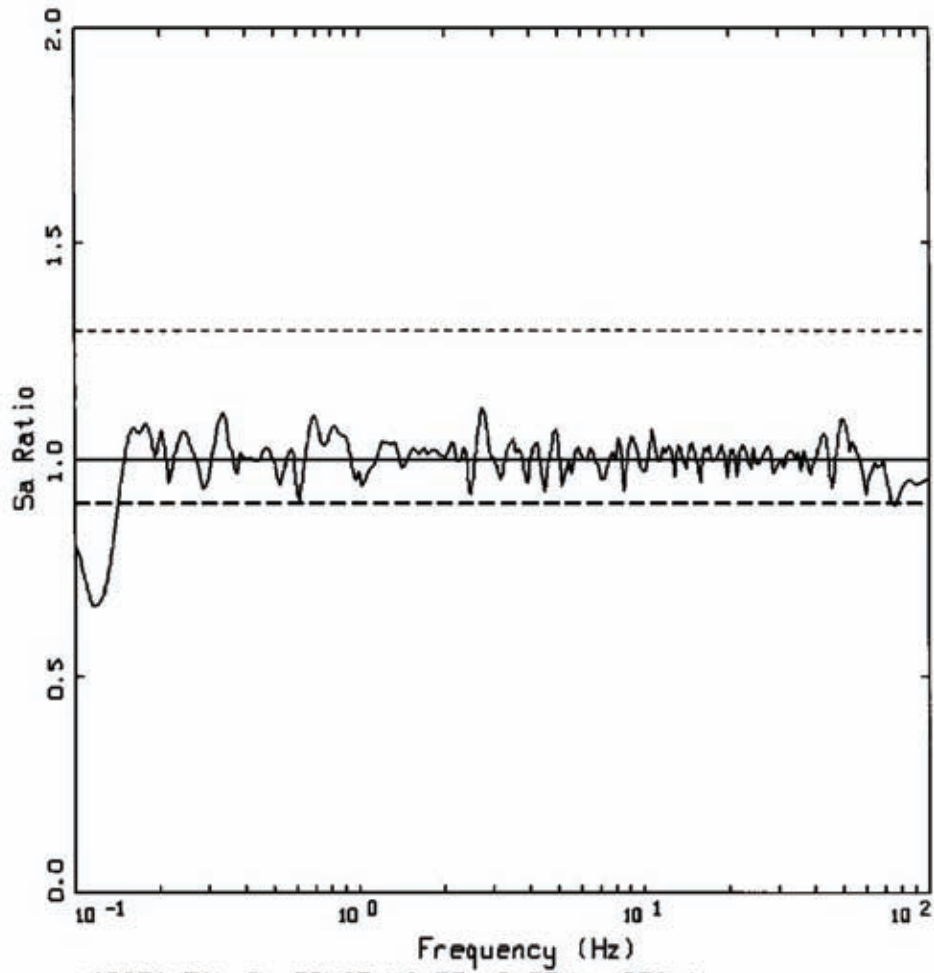
1E-06, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEAL1





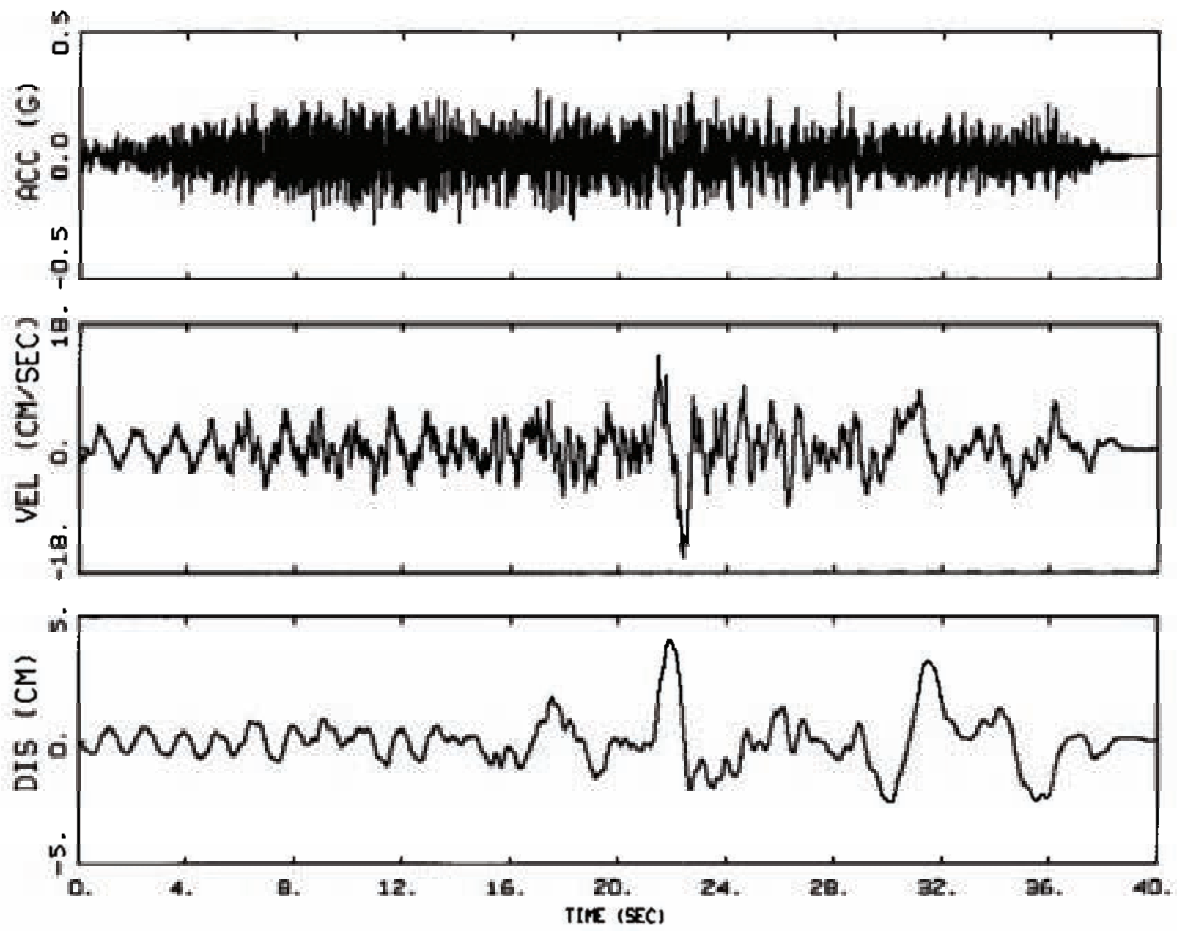
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M6.25, R-25KM, SEAL1

LEGEND
 ——— TARGET; PGA = 0.394 g
 - - - - 5 % SPECTRAL NOTCH; PGA = 0.410 g

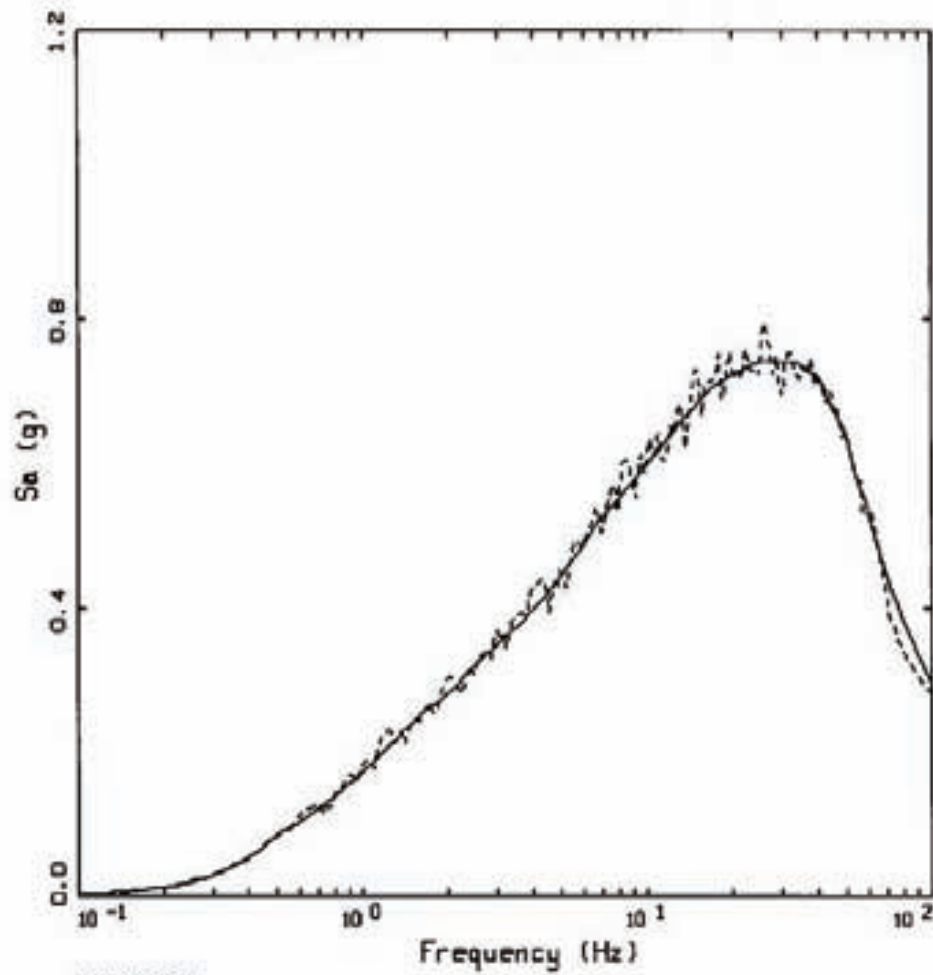


HORIZONTAL Z, BRUCE M6.25, R=25KM, SEAL1
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111

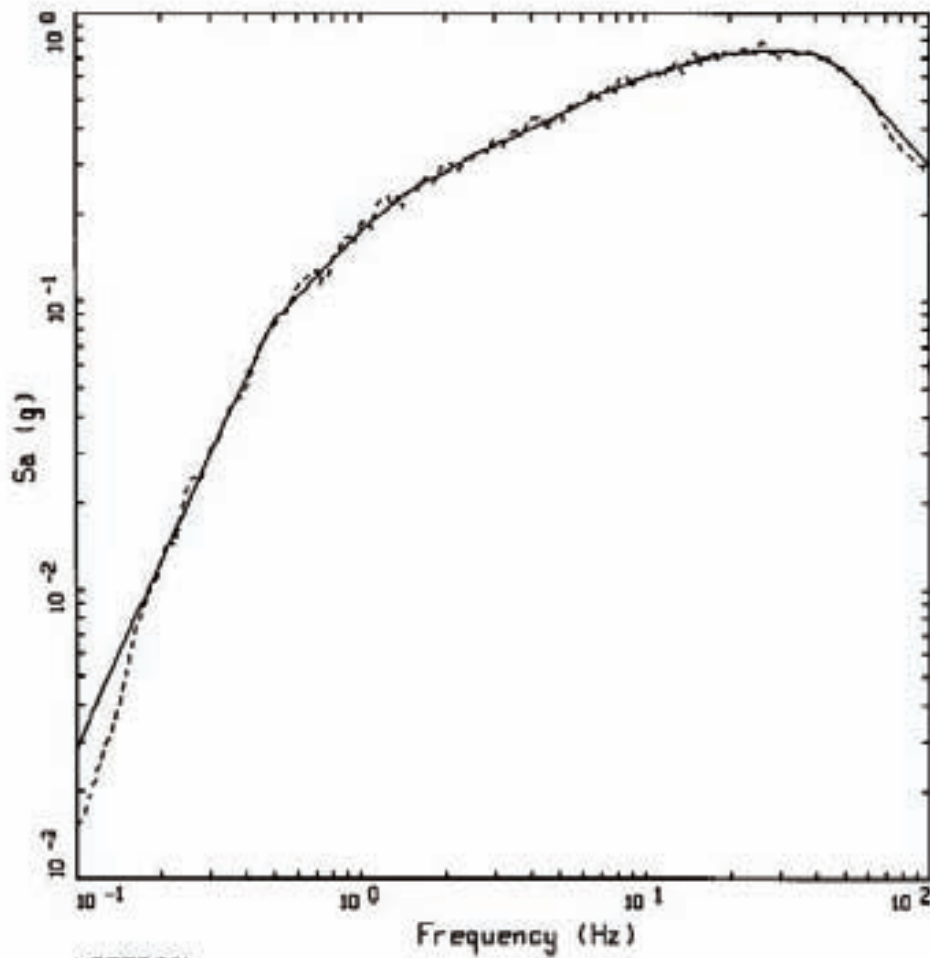


1E-06, VERTICAL
BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEAL1



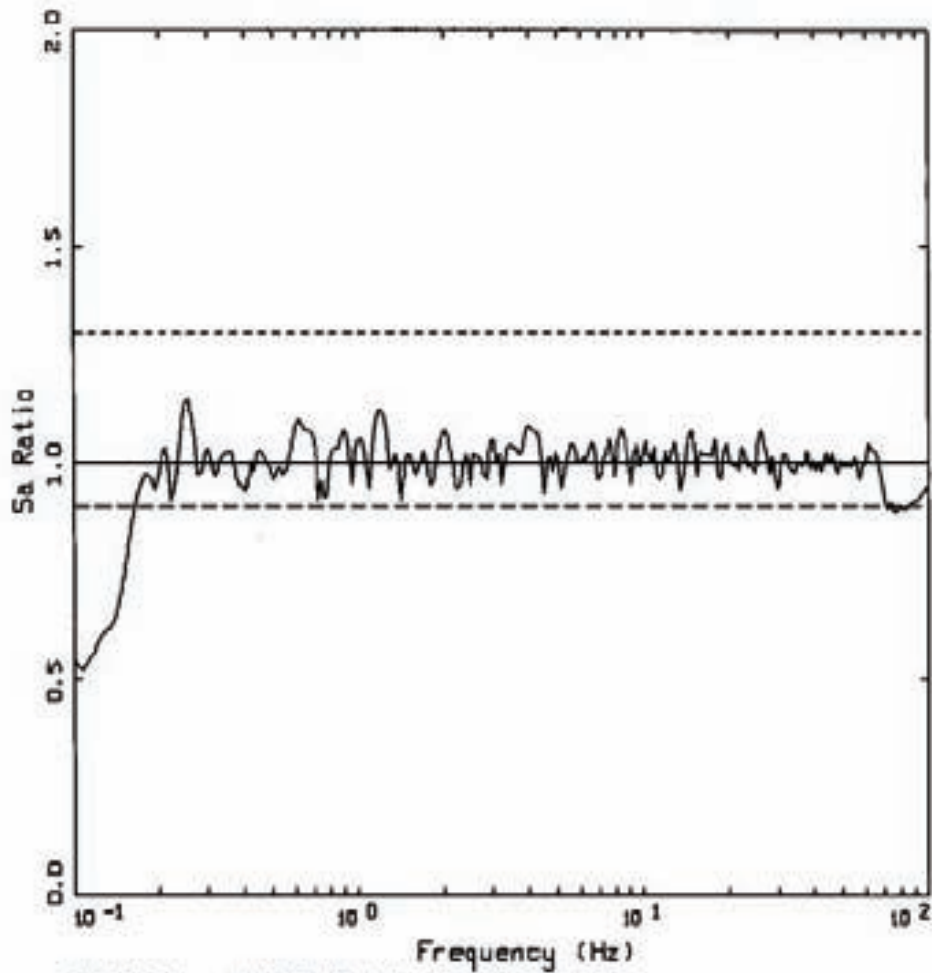
VERTICAL
BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEAL1

LEGEND
—— TARGET; PGA = 0.297 g
----- 5 %, SPECTRAL RATIO; PGA = 0.280 g



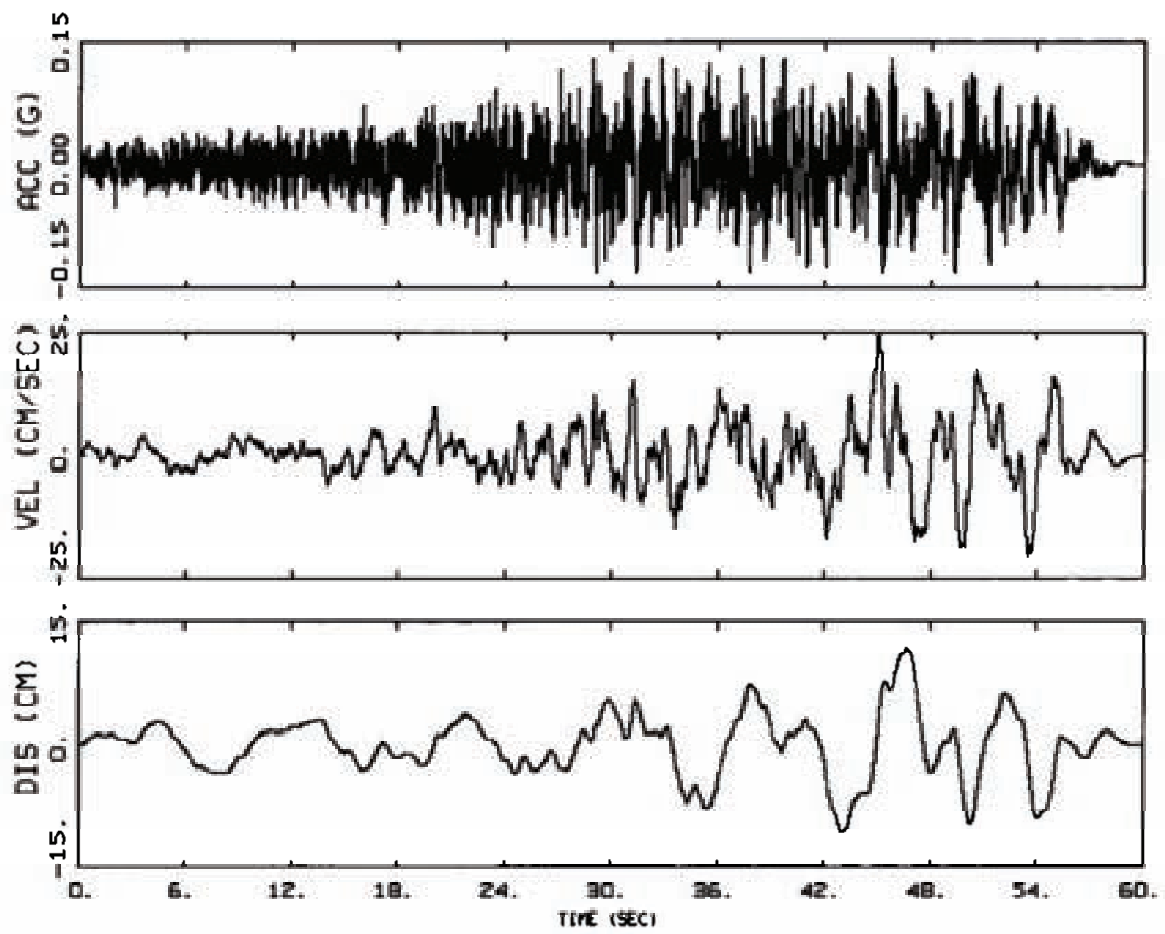
VERTICAL
BASELINE CORRECTED, BRUCE M6.25, R-25KM, SEAL1

LEGEND
—— TARGET; PGA = 0.297 g
----- 5 %, SPECTRAL NOTCH; PGA = 0.283 g

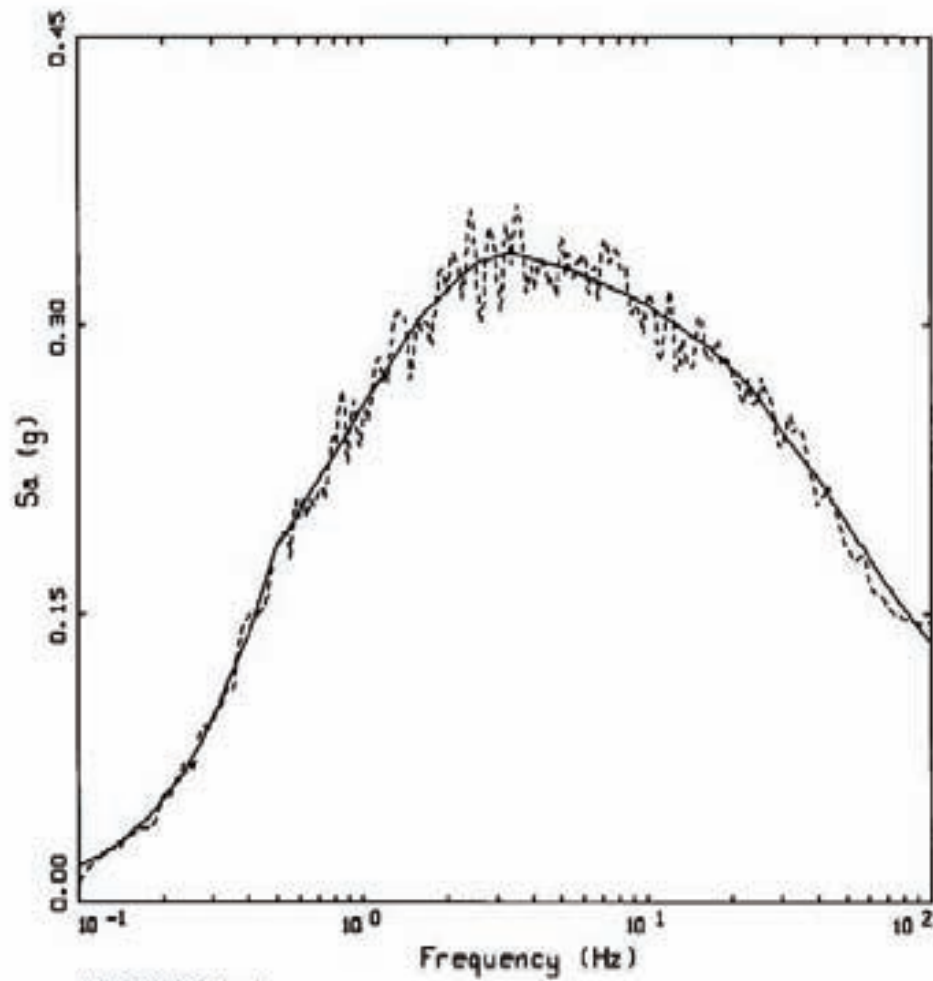


VERTICAL, BRUCE M6.25, R=25KM, SEAL1
 SPECTRAL RATIO: MATCH/TARGET

LEGEND
 ——— SA RATIO: MATCH/TARGET
 ——— UNITY
 - - - - UNITY * 1.3
 - - - - UNITY / 1.111

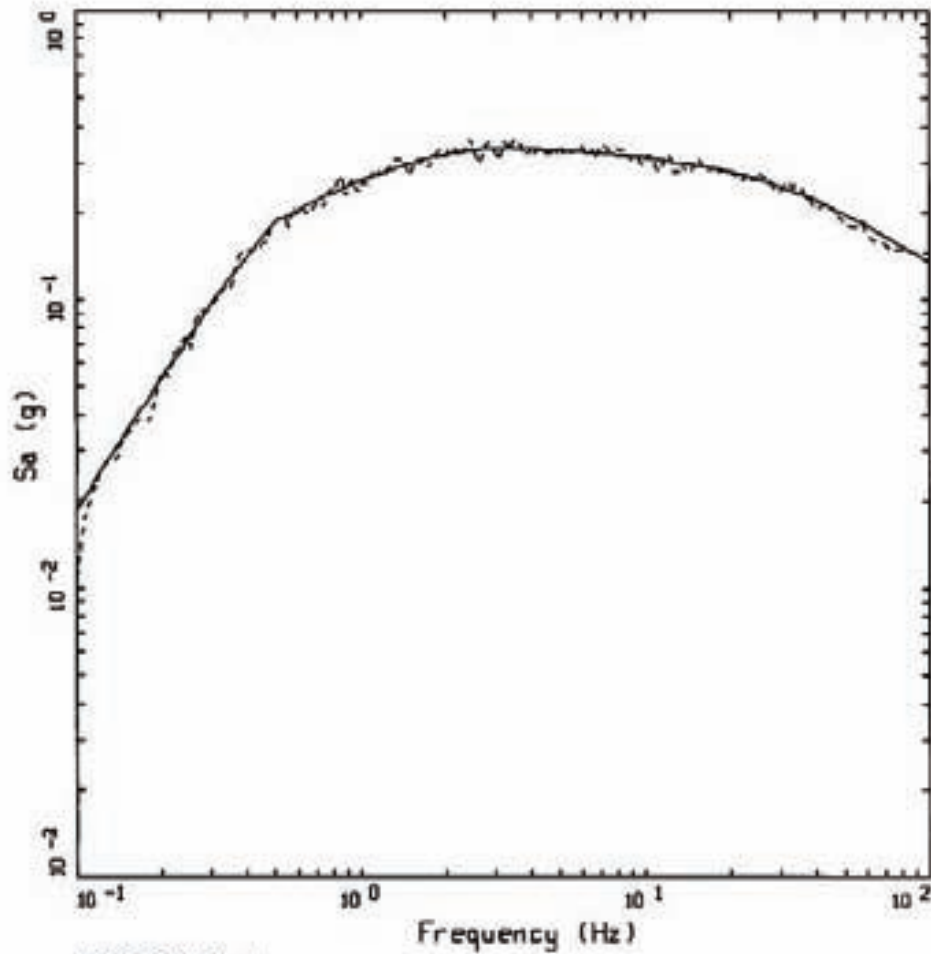


1E-06, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M7.4, R-200KM, SEAL1



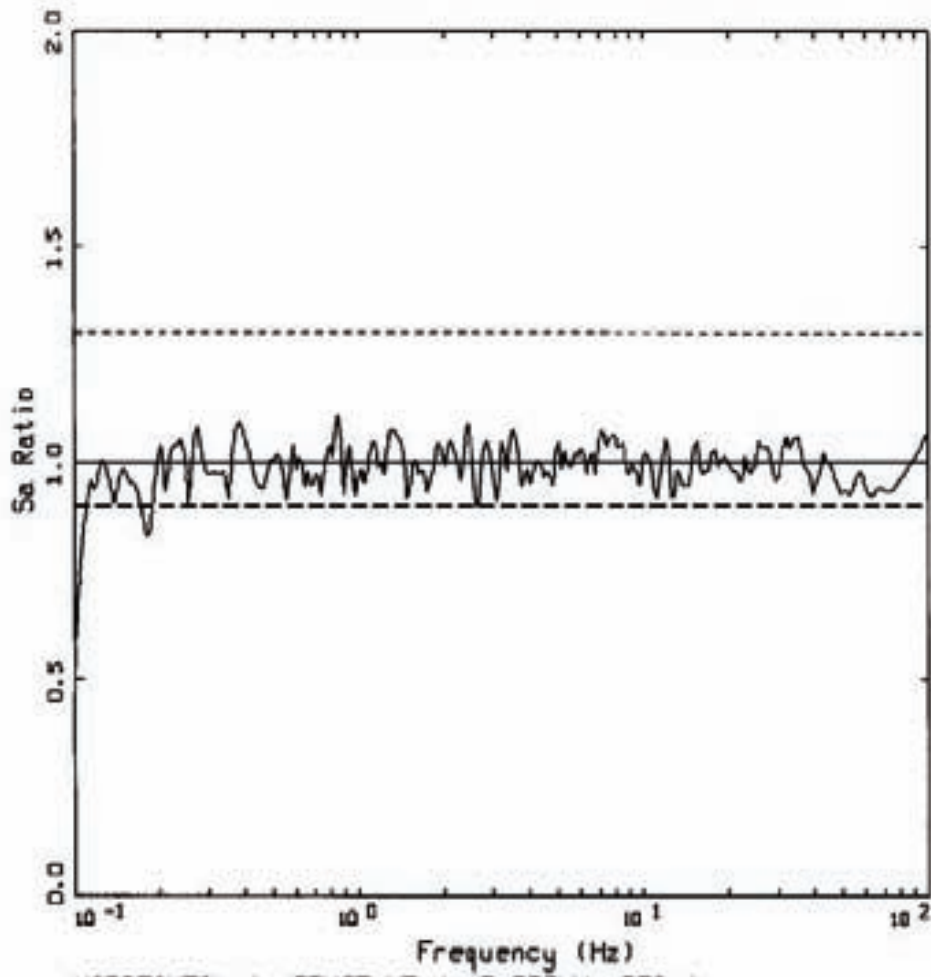
HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEAL1

LEGEND
 ——— TARGET; PGA = 0.135 g
 - - - - - 5 % SPECTRAL MATCH; PGA = 0.145 g



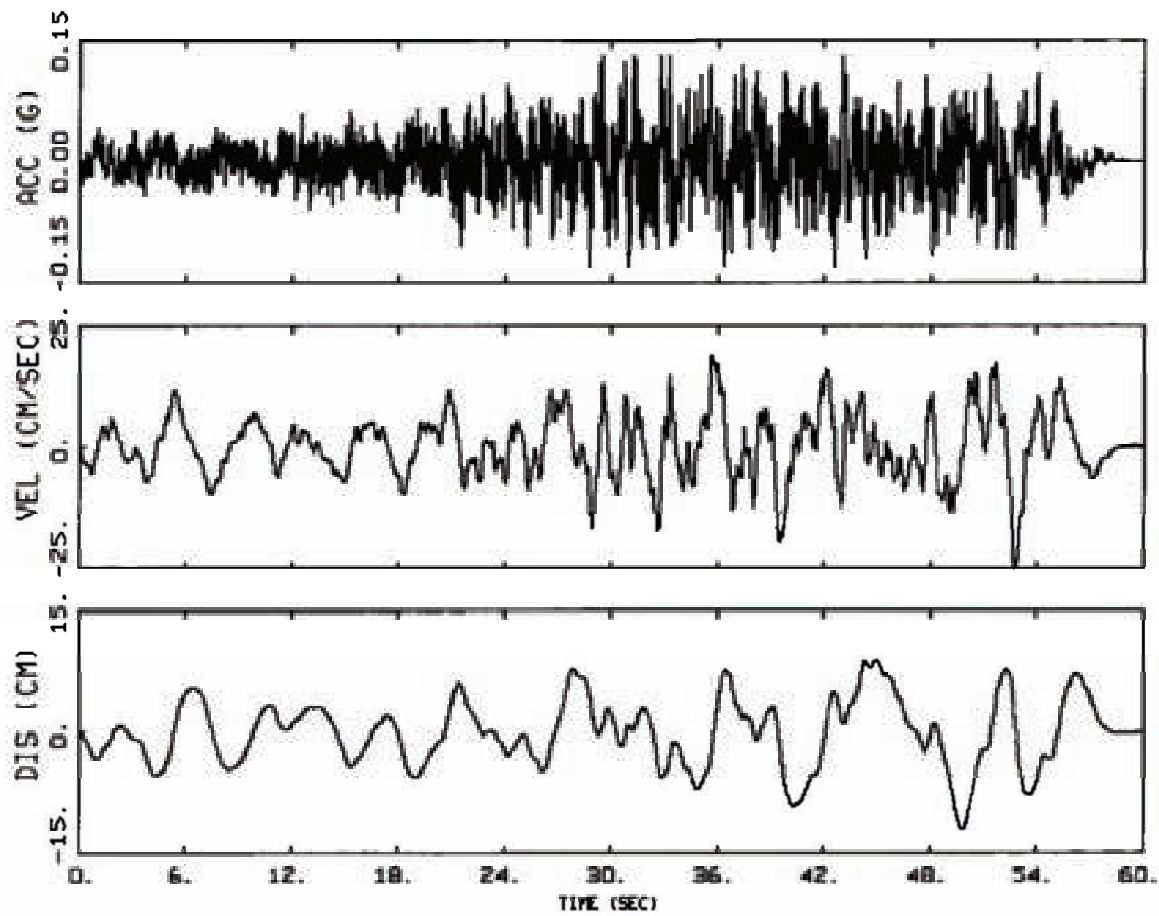
HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEAL1

LEGEND
 ——— TARGET; PGA = 0.135 g
 - - - - 5 %, SPECTRAL RATIO; PGA = 0.145 g

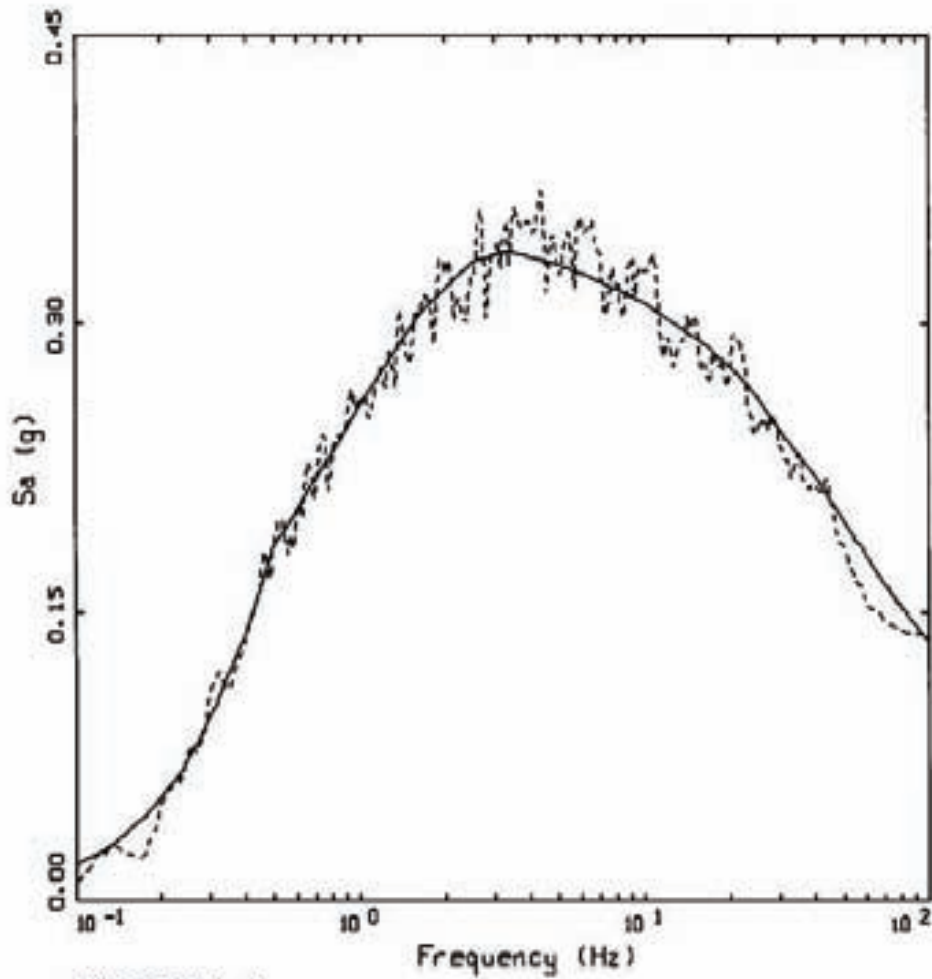


HORIZONTAL 1, BRUCE M7.4, R=200KM, SEAL1
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111

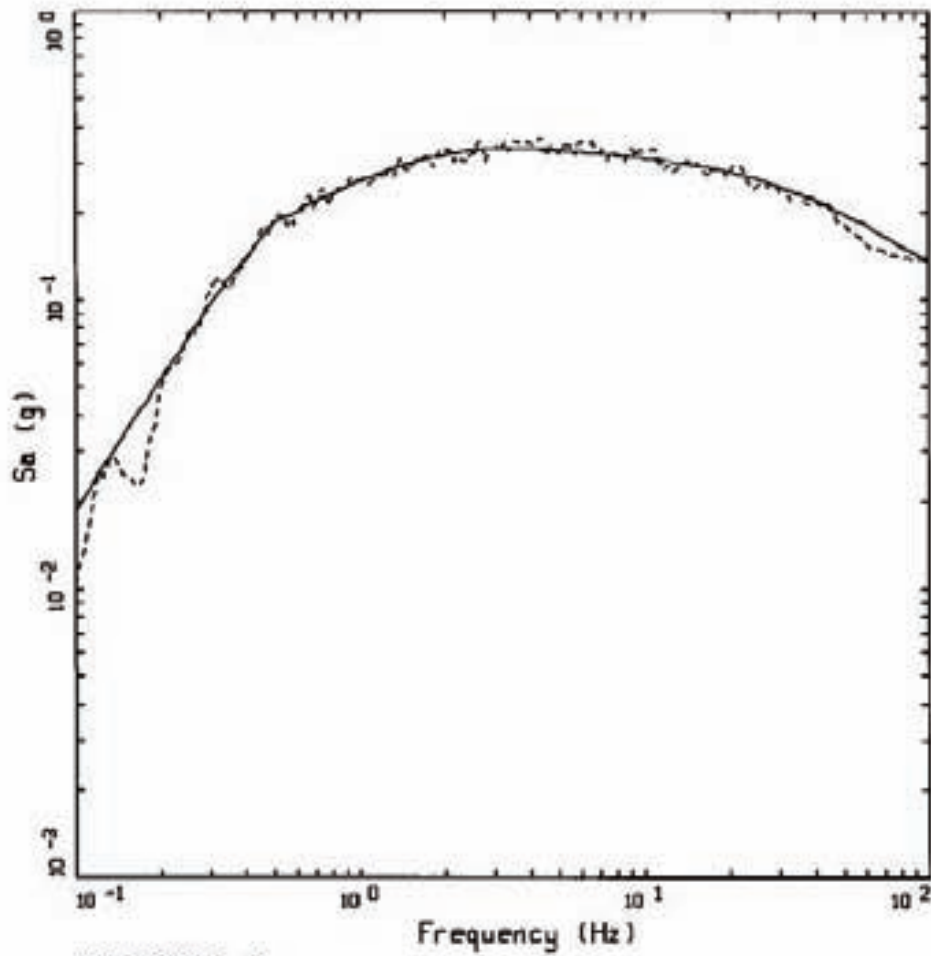


1E-06, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M7.4, R-200KM, SEAL1



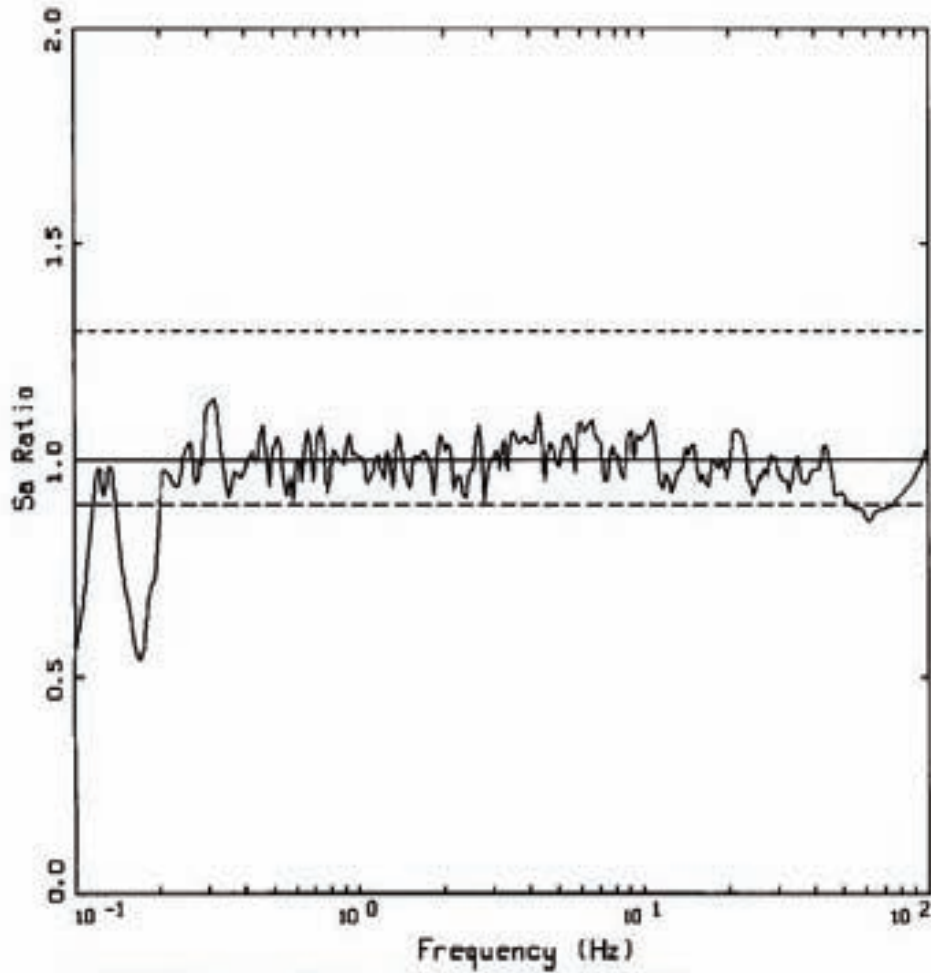
HORIZONTAL 2
BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEAL1

LEGEND
—— TARGET; PGA = 0.135 g
----- 5 %, SPECTRAL RATIO; PGA = 0.140 g



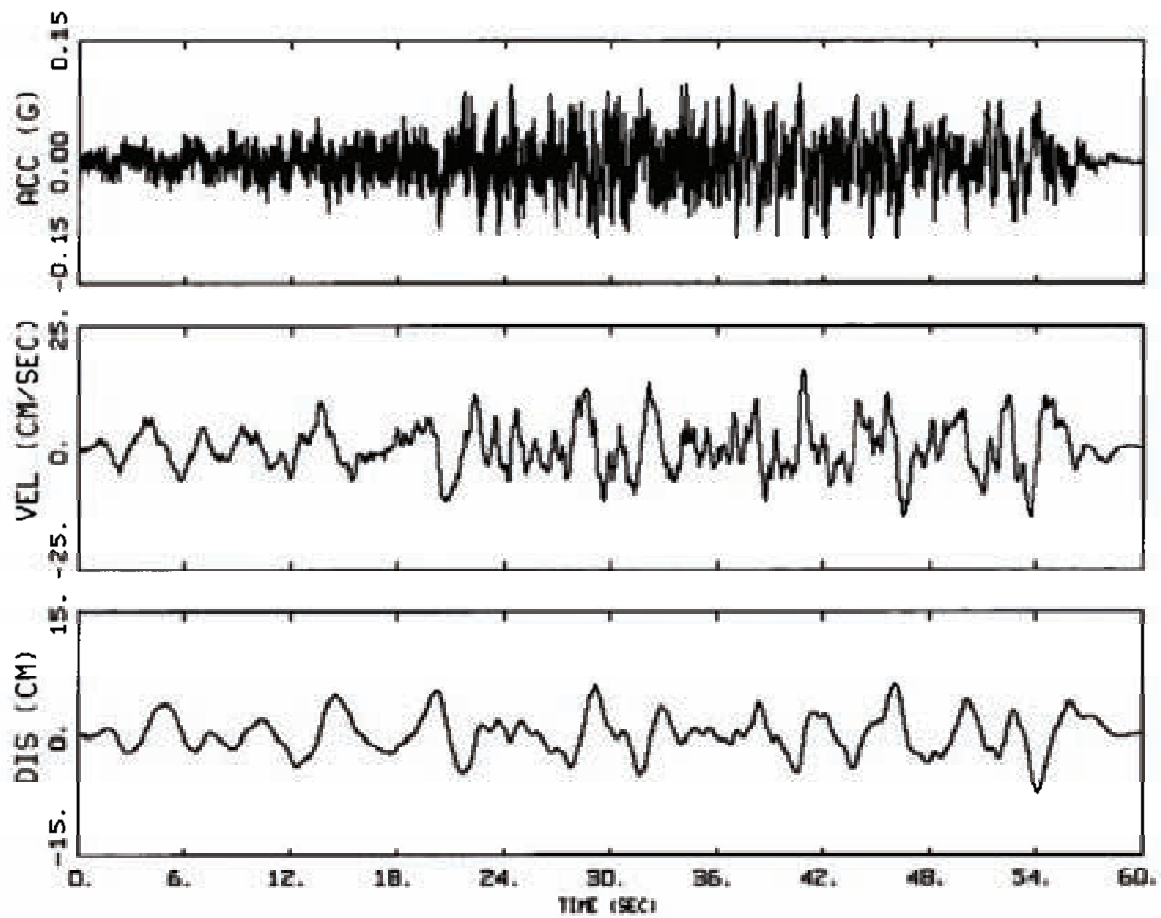
HORIZONTAL 2
BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEAL1

LEGEND
—— TARGET: PGA = 0.135 g
- - - - 5 %, SPECTRAL NOTCH; PGA = 0.140 g

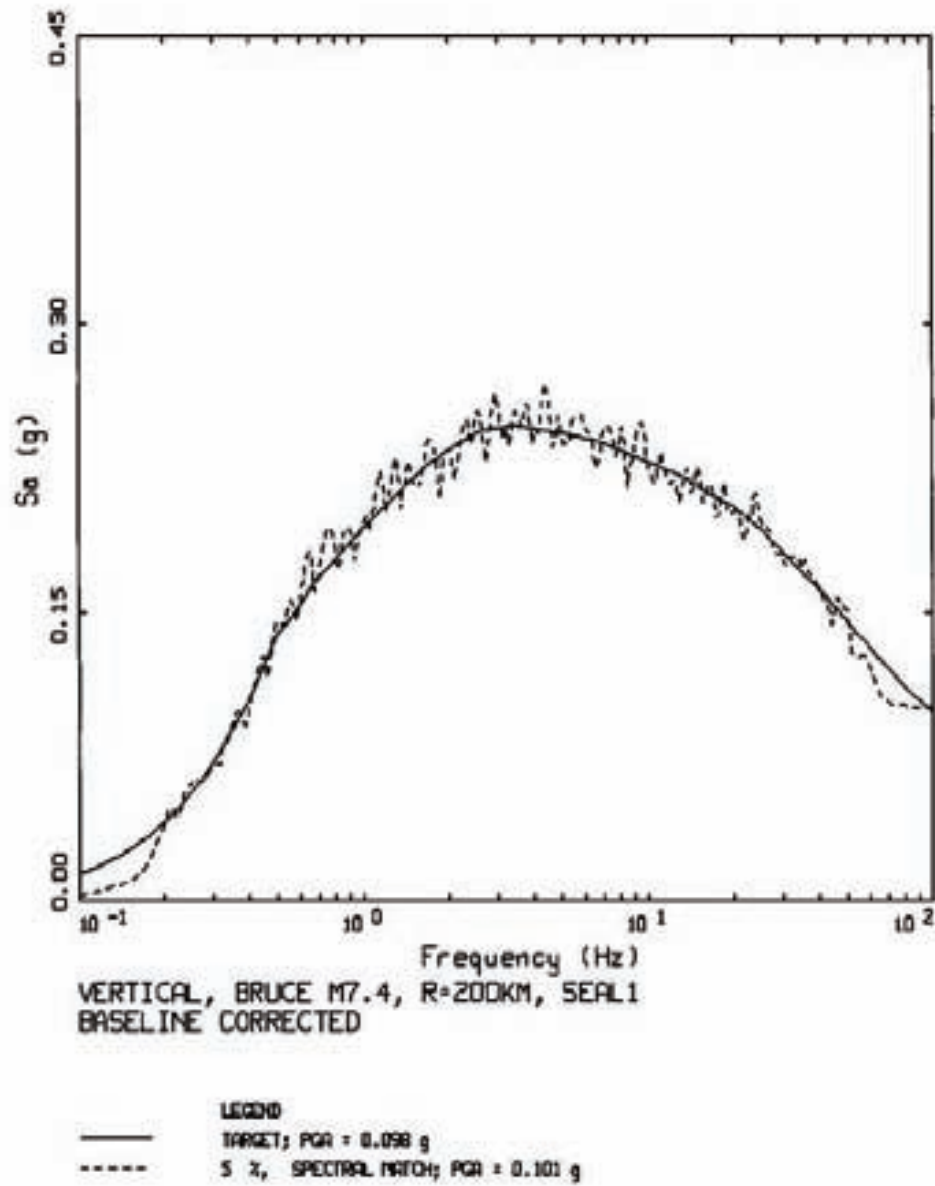


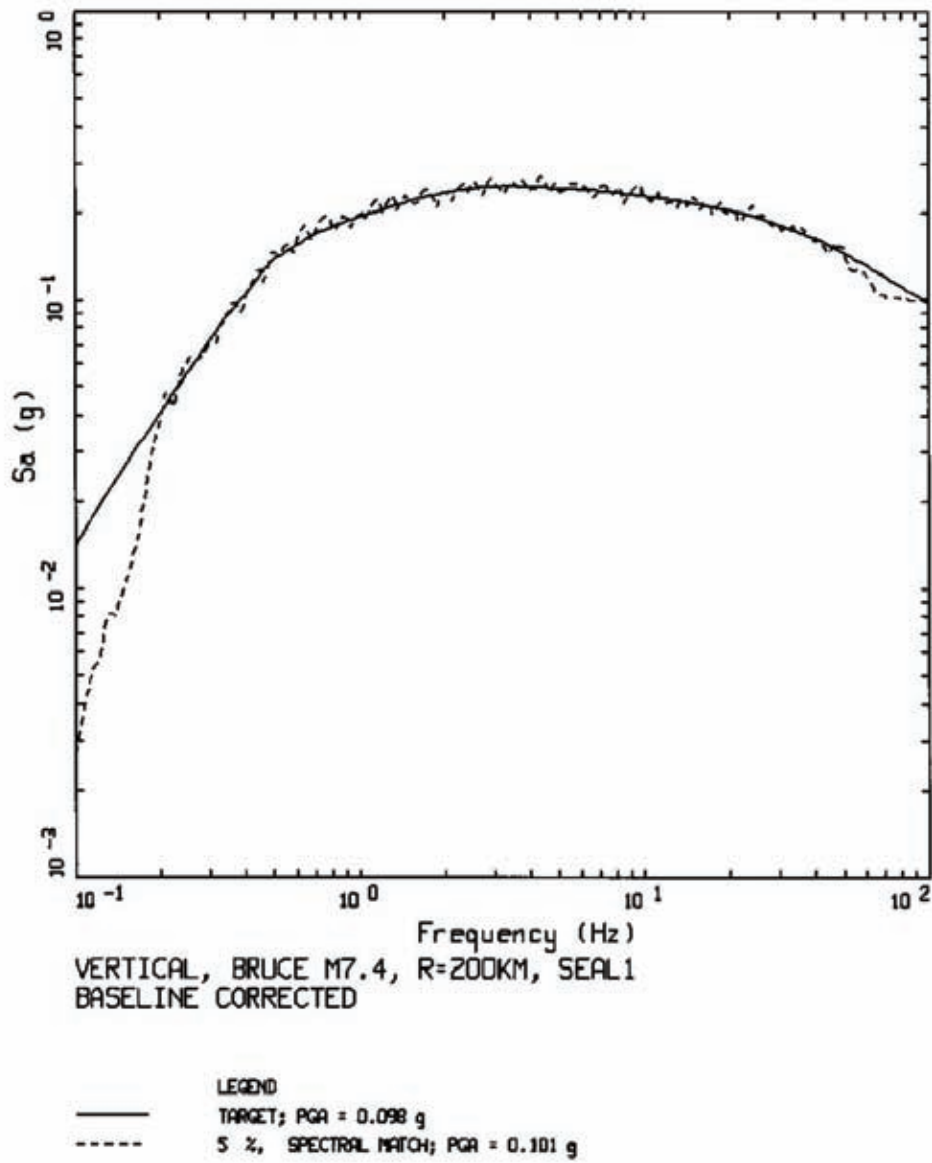
HORIZONTAL 2, BRUCE M7.4, R=200KM, SEAL1
 SPECTRAL RATIO: MATCH/TARGET

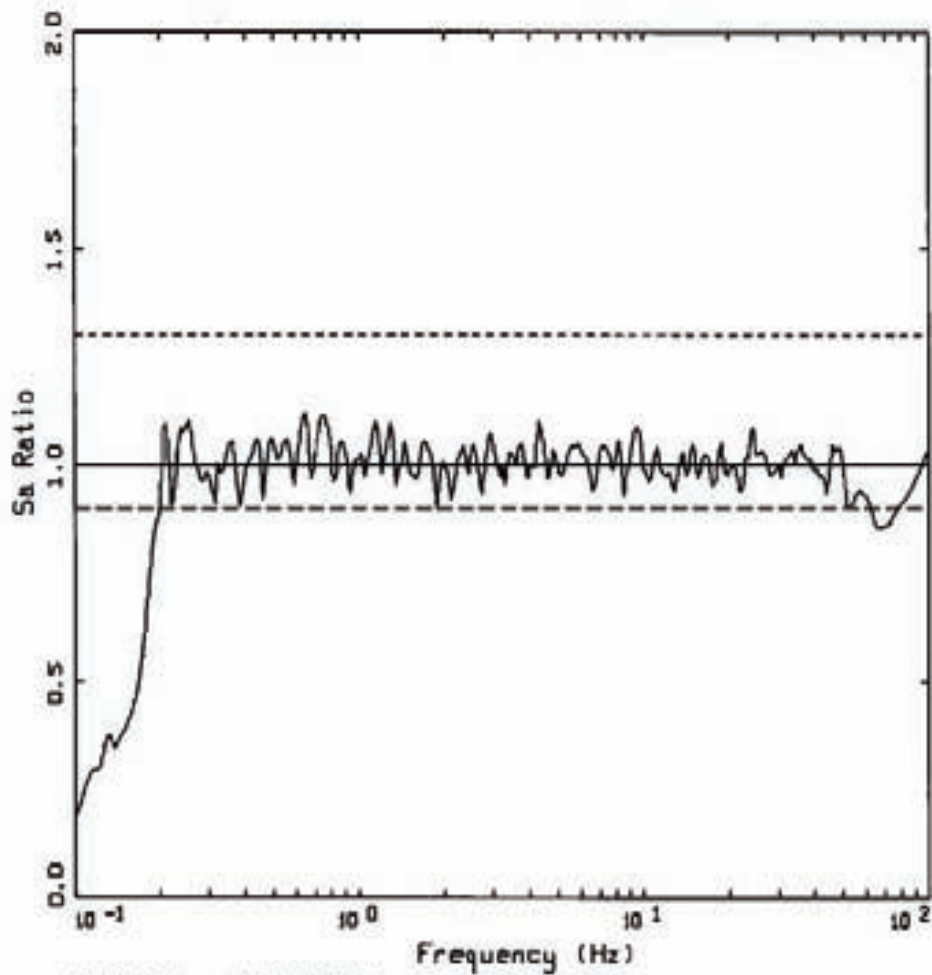
- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111



1E-06, VERTICAL
BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEAL1



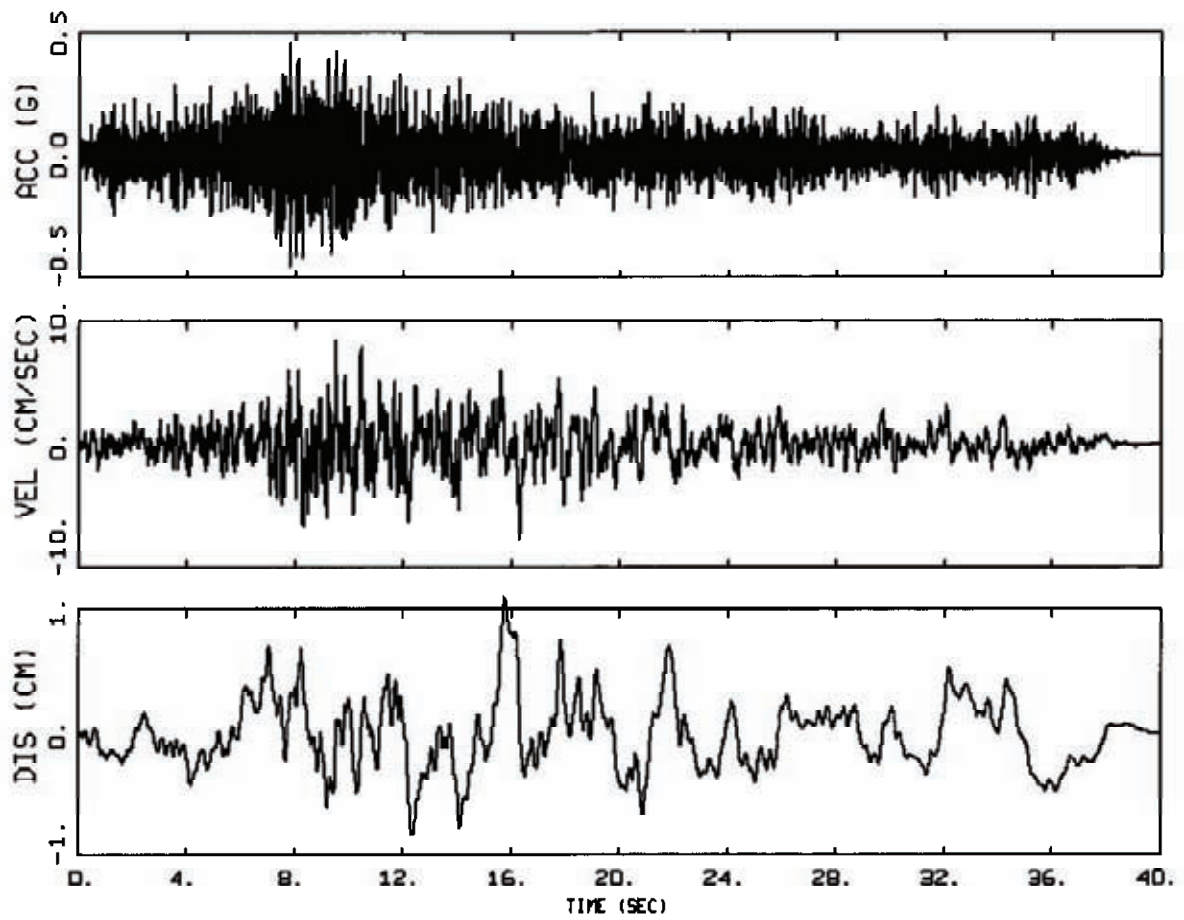




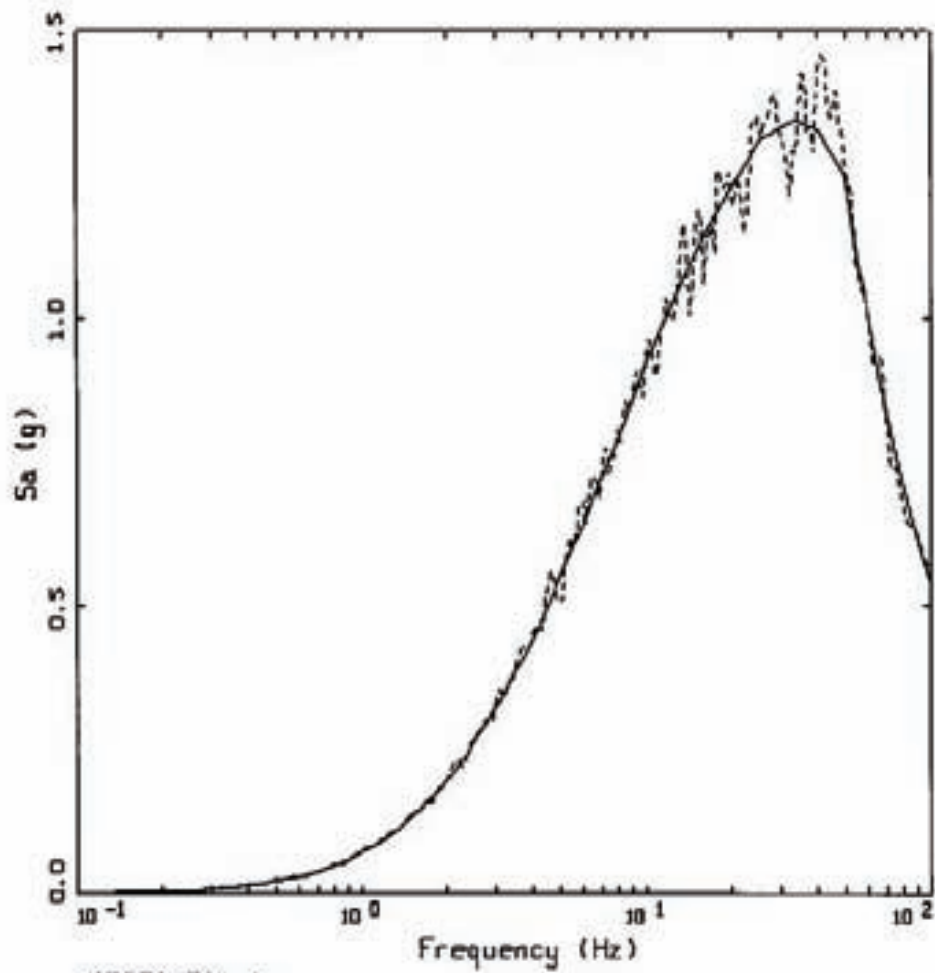
VERTICAL, BRUCE M7.4, R=200KM, SEAL1
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111

Figure B7. Acceleration, velocity, displacement time histories, spectral match (linear and log S_a axes), and ratios of target design spectrum to match spectrum, Horizontal (H1 and H2) and vertical components for all three design spectra: Seals 2 and 3, AEF 10^{-6} .

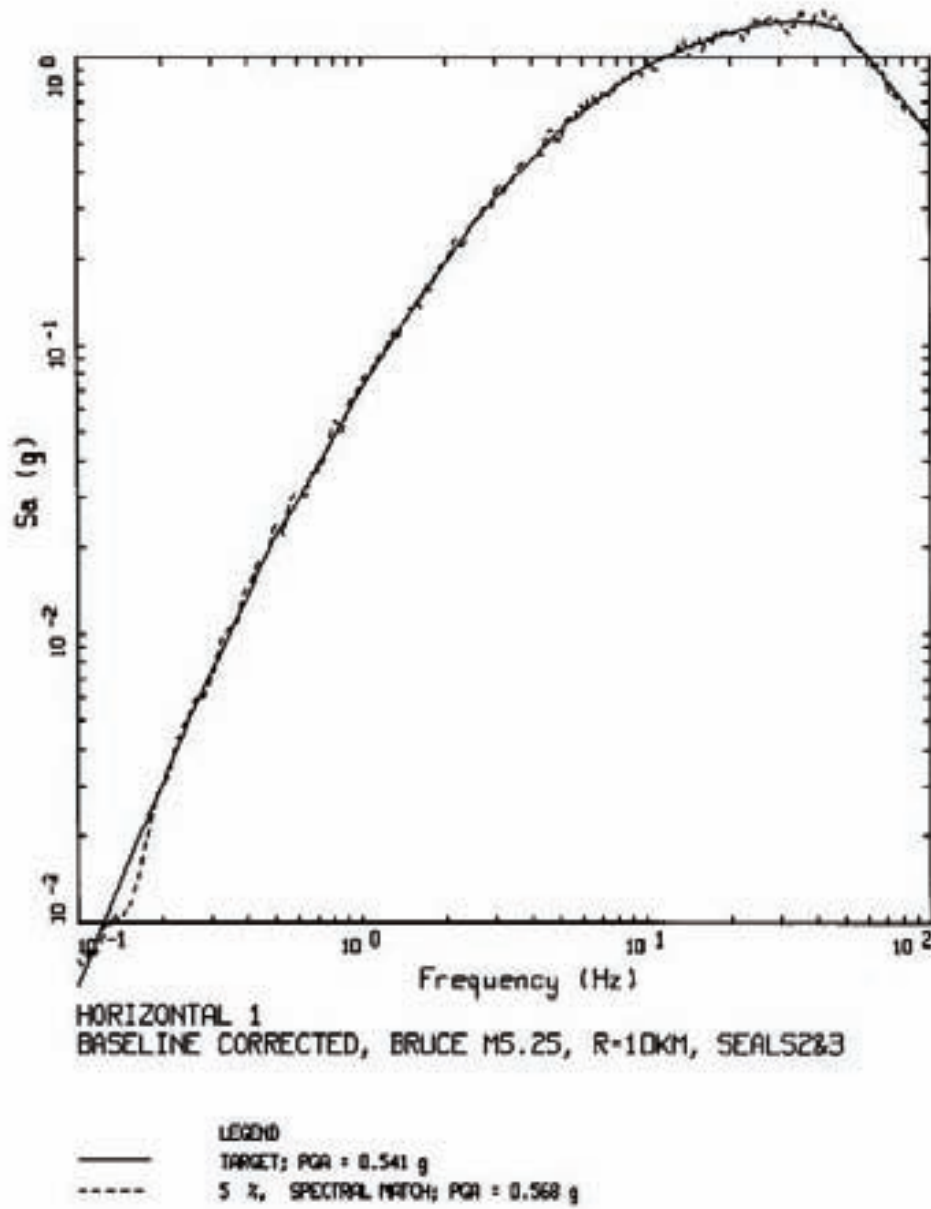


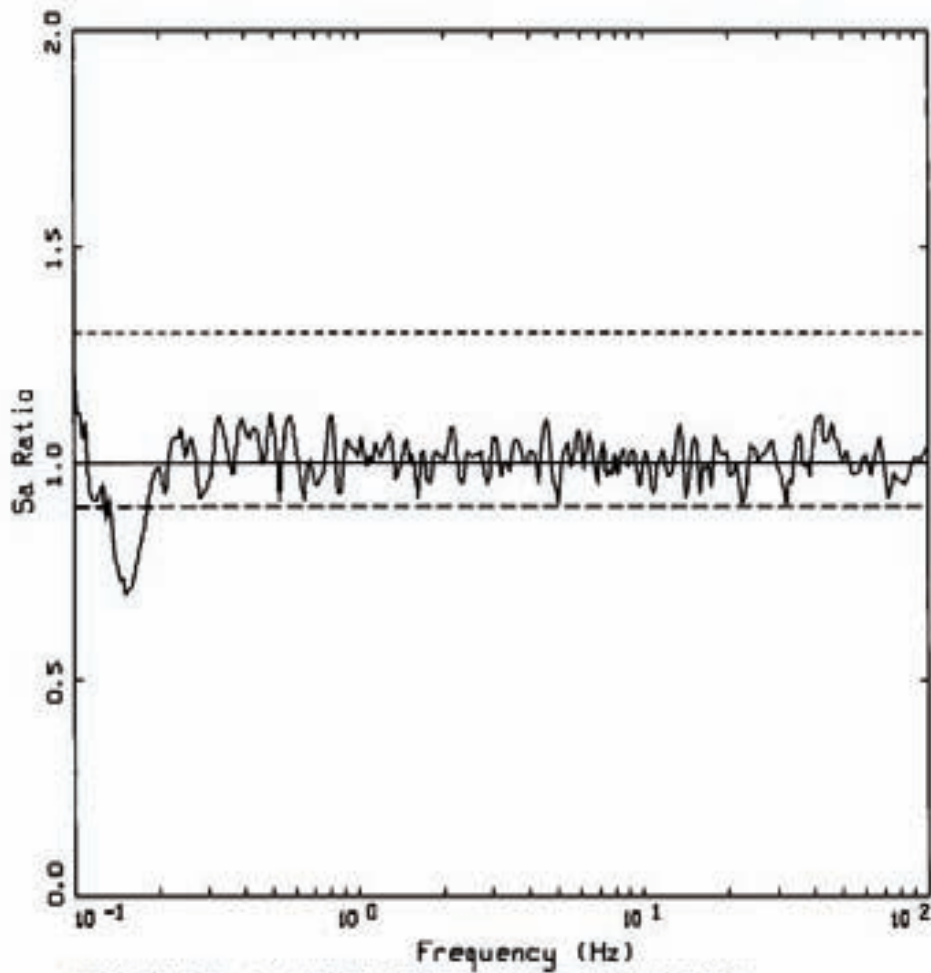
1E-06, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M5.25, R=10KM, SEALS2&3



HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M5.25, R=10KM, SEALS2&3

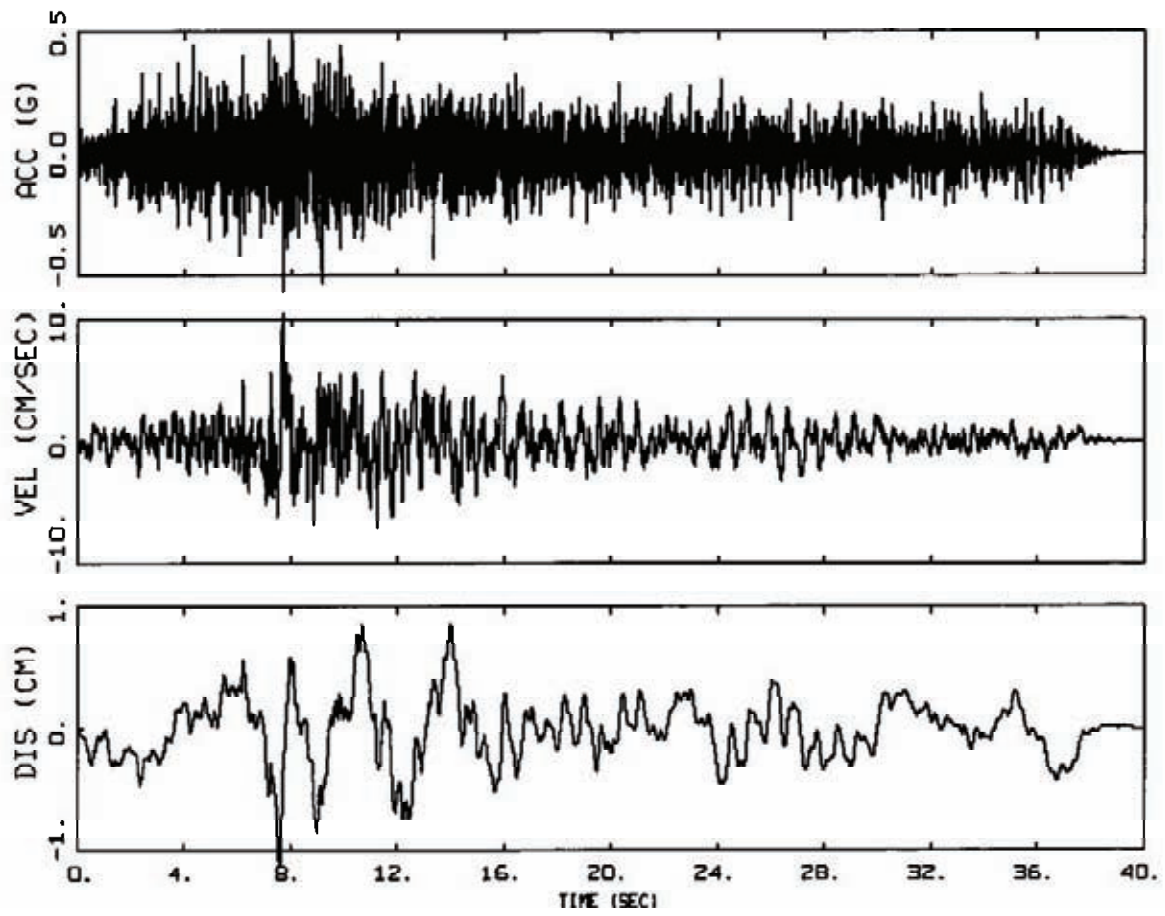
LEGEND
 ——— TARGET; PGA = 0.541 g
 - - - - 5 %, SPECTRAL MATCH; PGA = 0.568 g



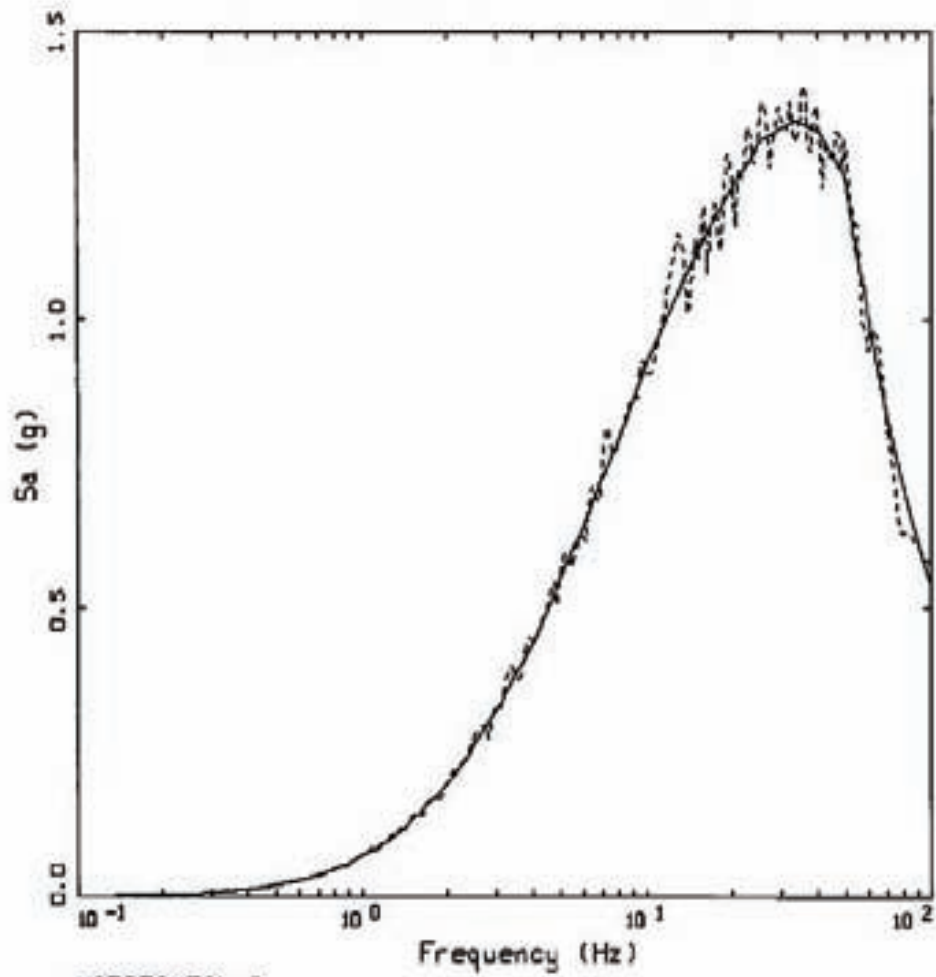


HORIZONTAL 1, BRUCE MS.25, R=10KM, SEALS2&3
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.333

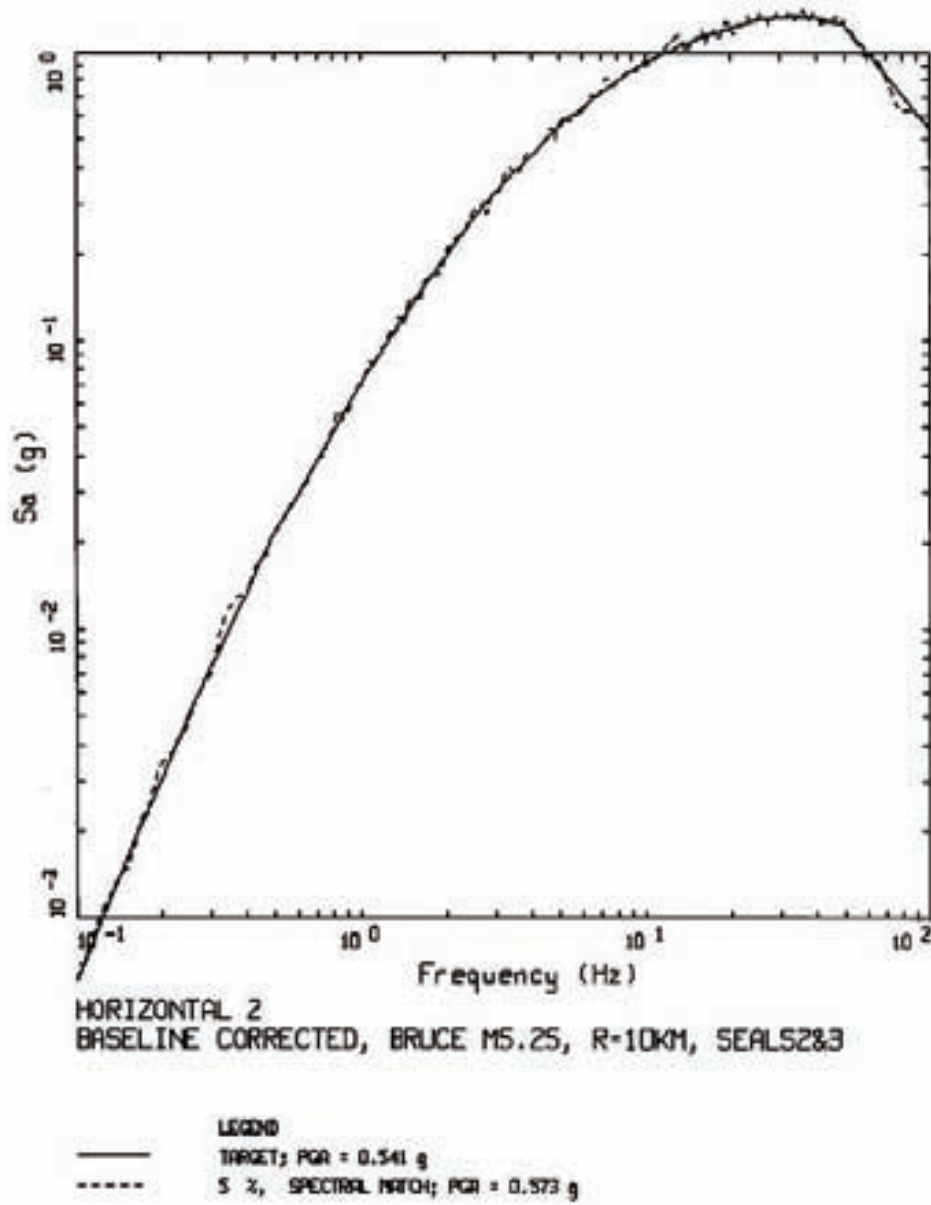


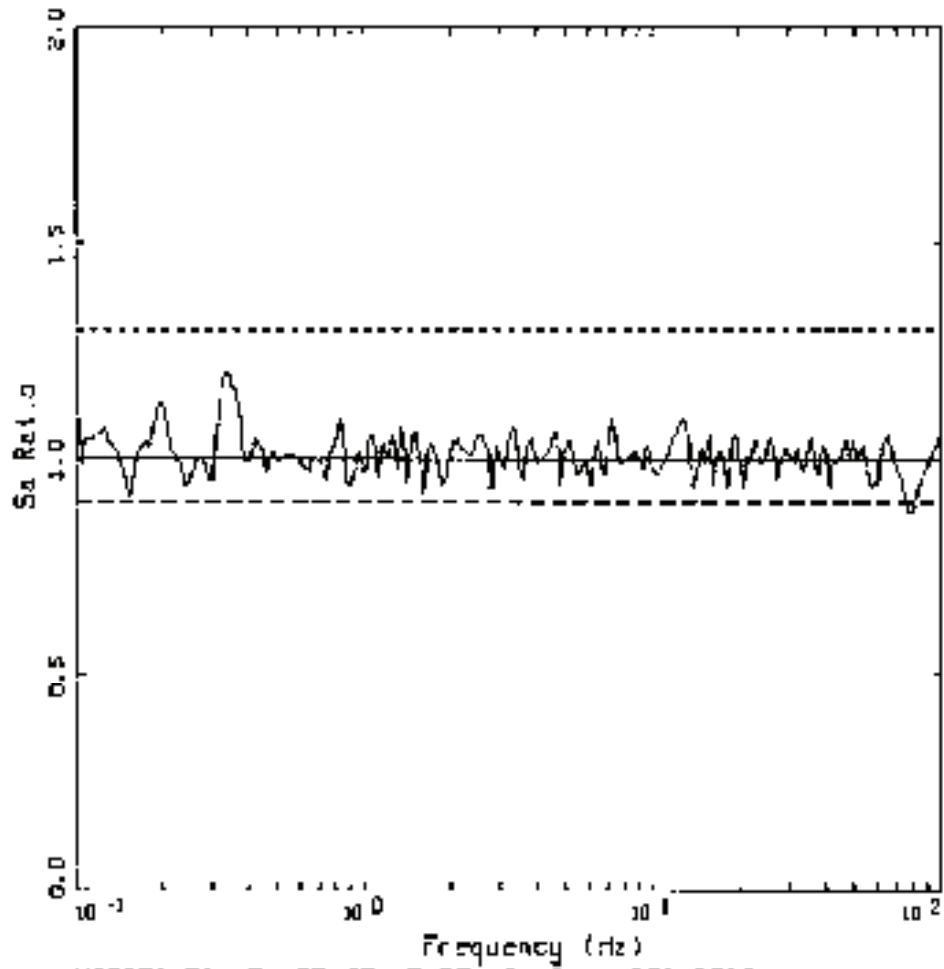
1E-06, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M5.25, R=10KM, SEALS2&3



HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M5.25, R=10KM, SEALS2&3

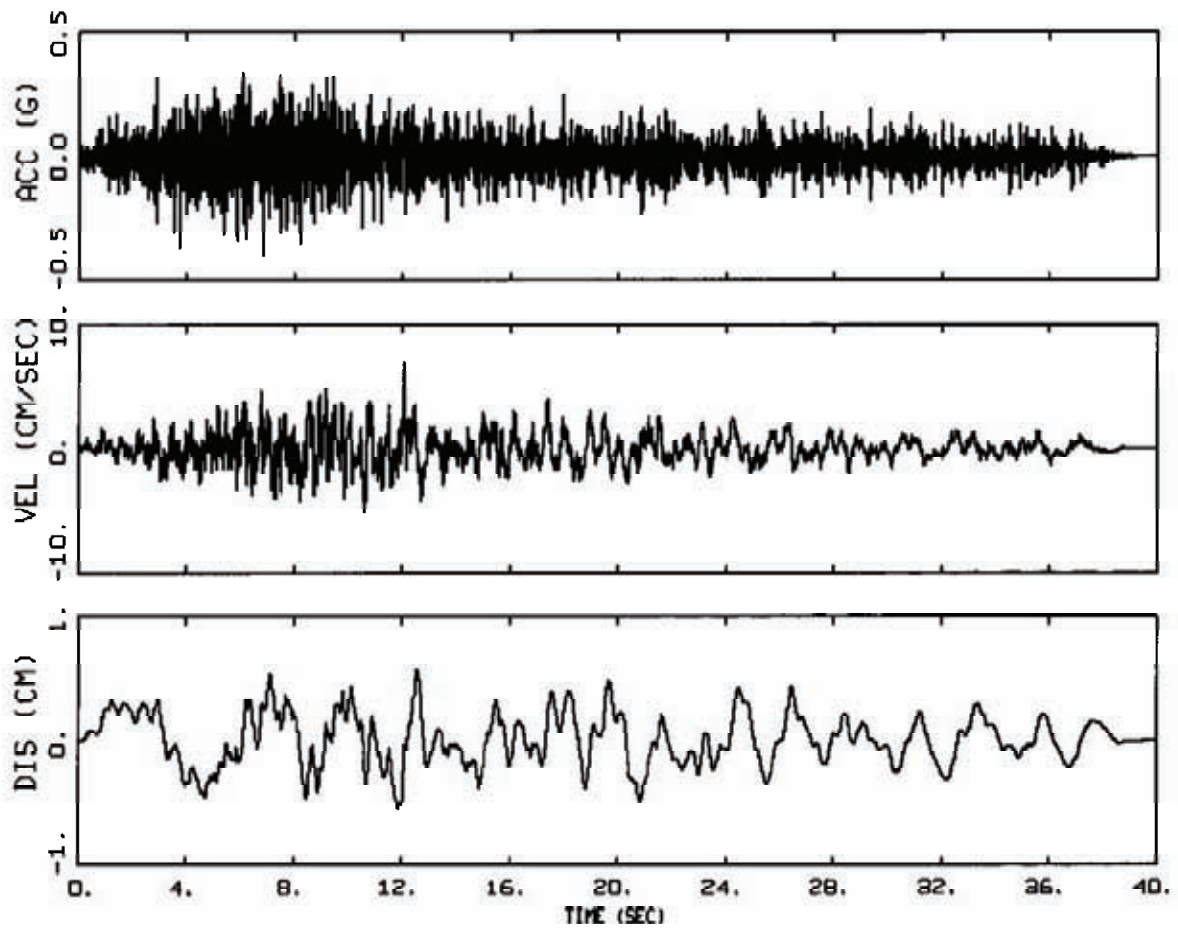
LEGEND
 ——— TARGET; PGA = 0.541 g
 - - - - - 5 %, SPECTRAL MATCH; PGA = 0.573 g



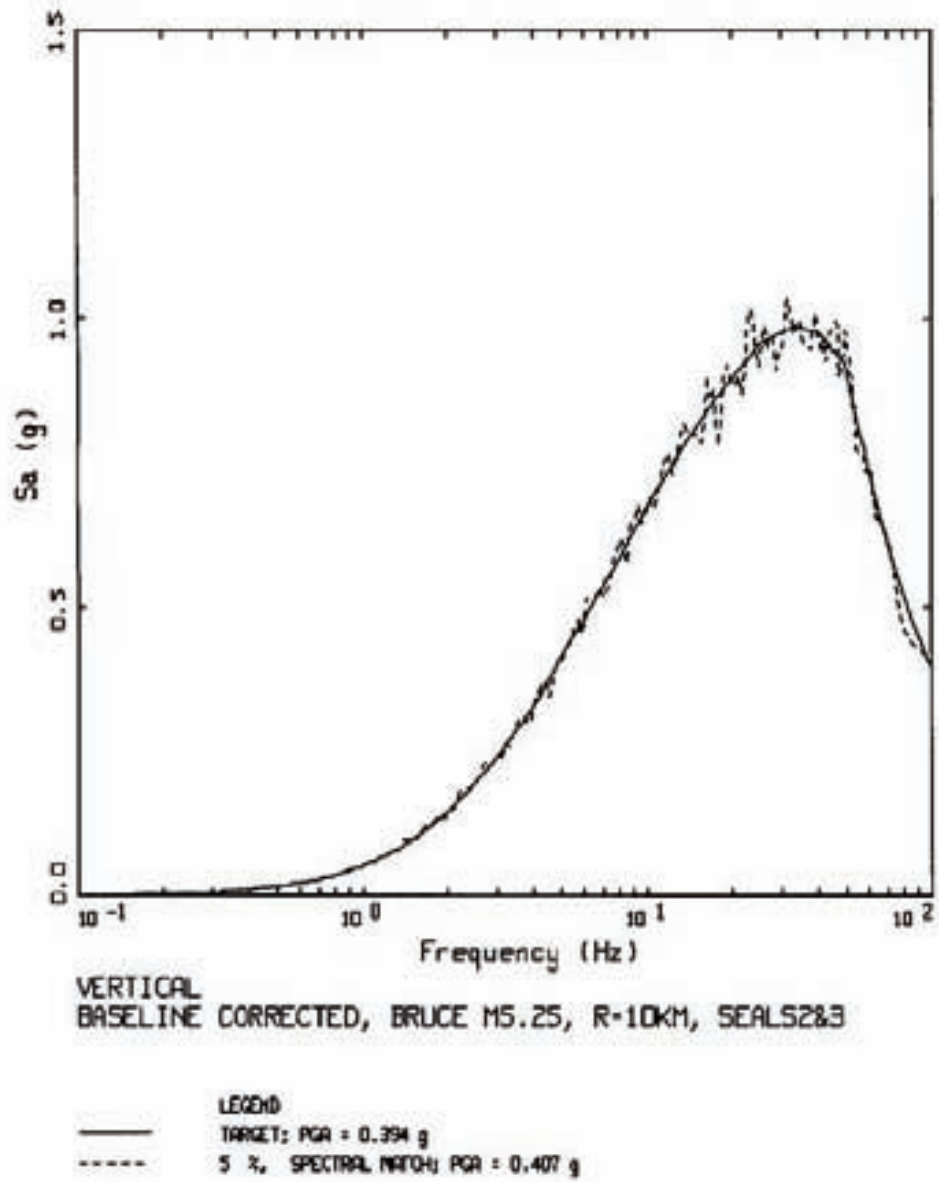


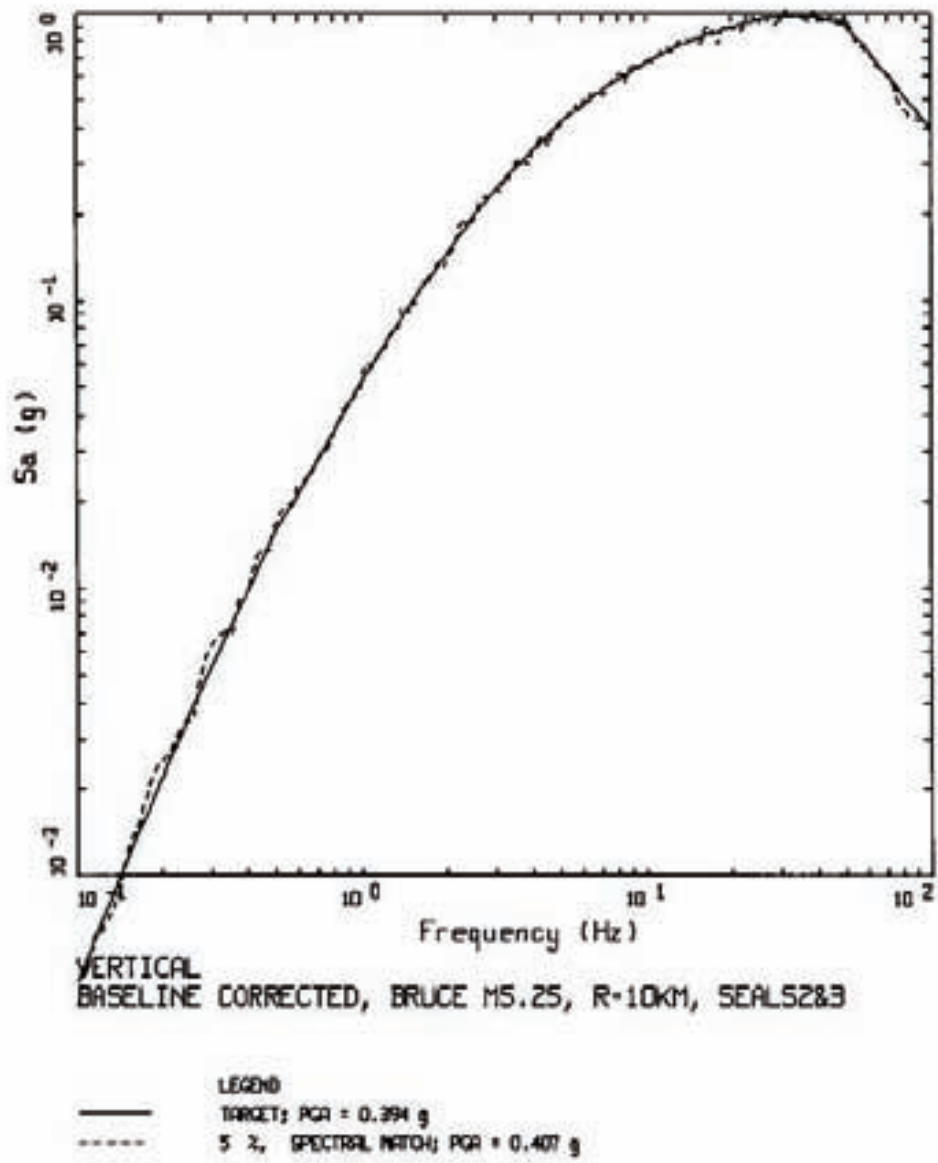
HORIZONTAL 2, BRUCE 15.25, R=10KM, SEALS223
 SPECTRAL RATIO: MATCH/TARGET

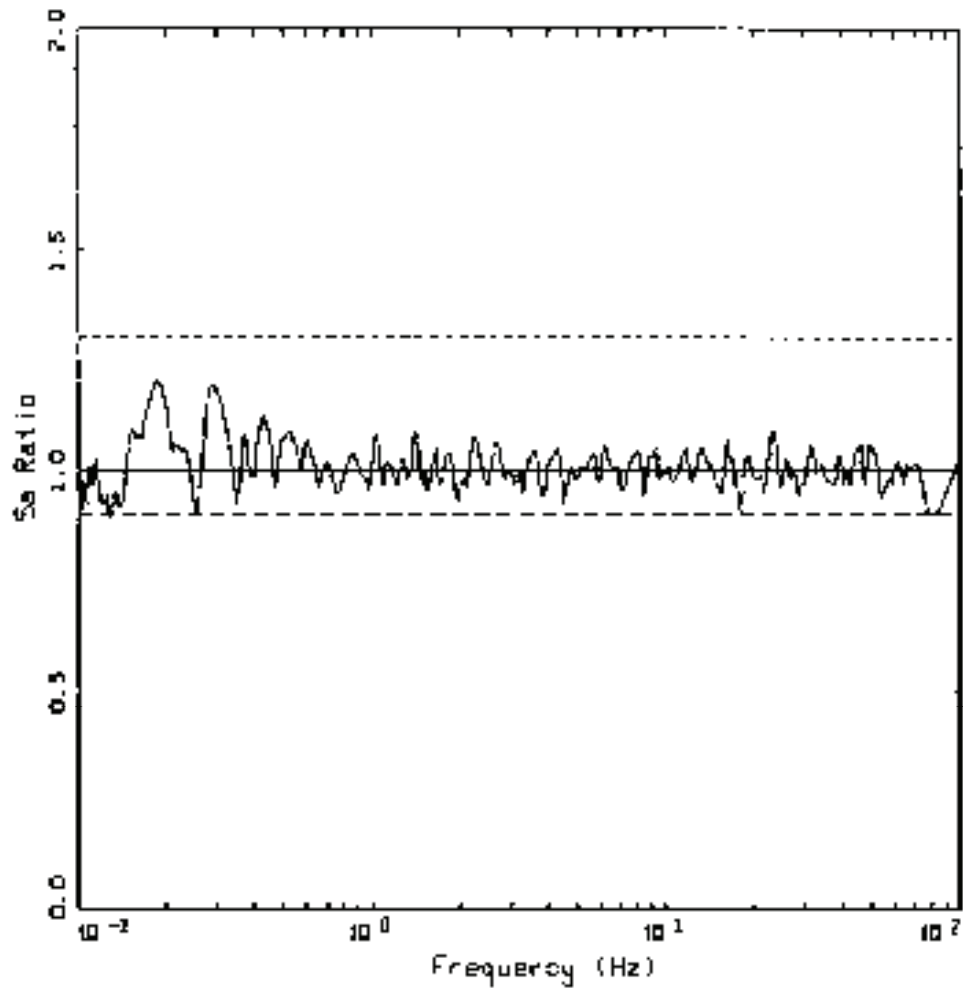
- LEGEND
- MATCH/TARGET
 - INITY
 - INITY * 1.3
 - INITY / 1.111



1E-06, VERTICAL
BASELINE CORRECTED, BRUCE M5.25, R=10KM, SEALS2&3

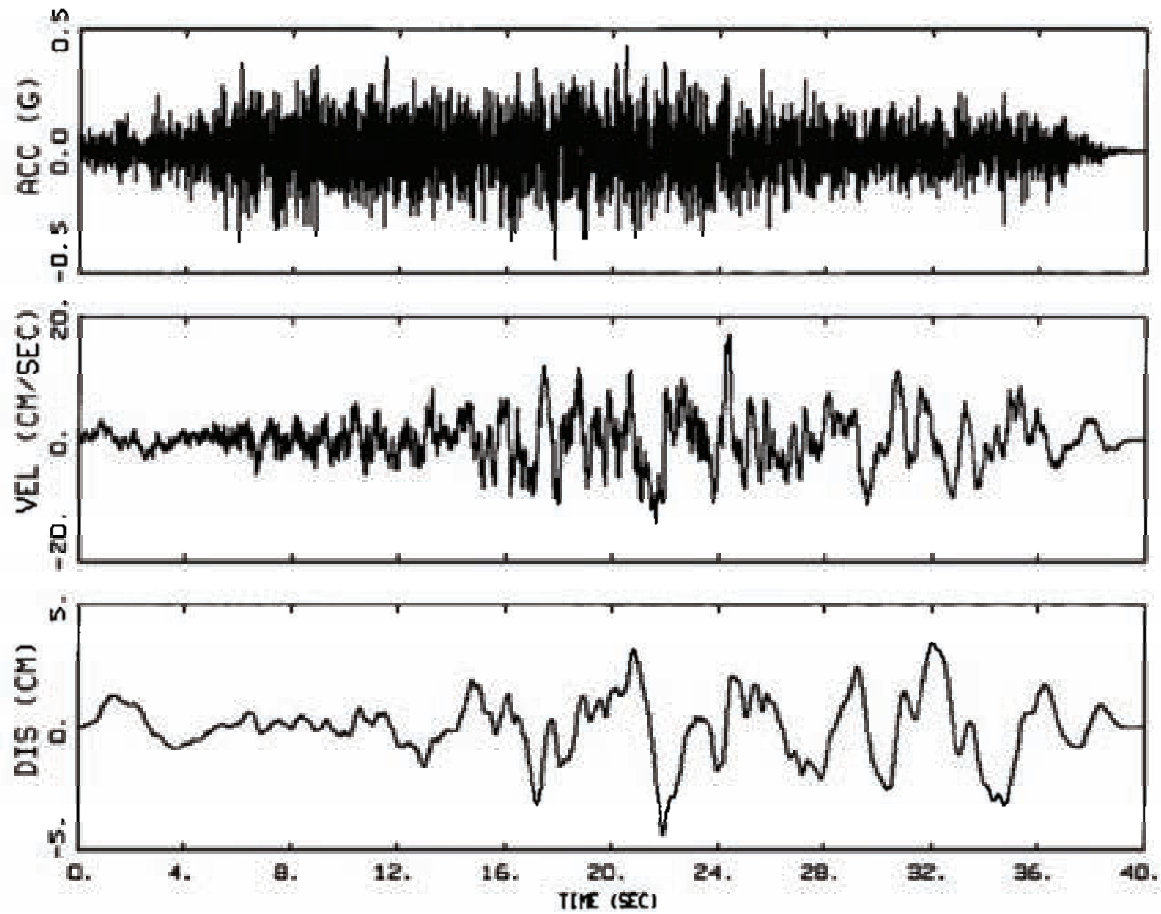




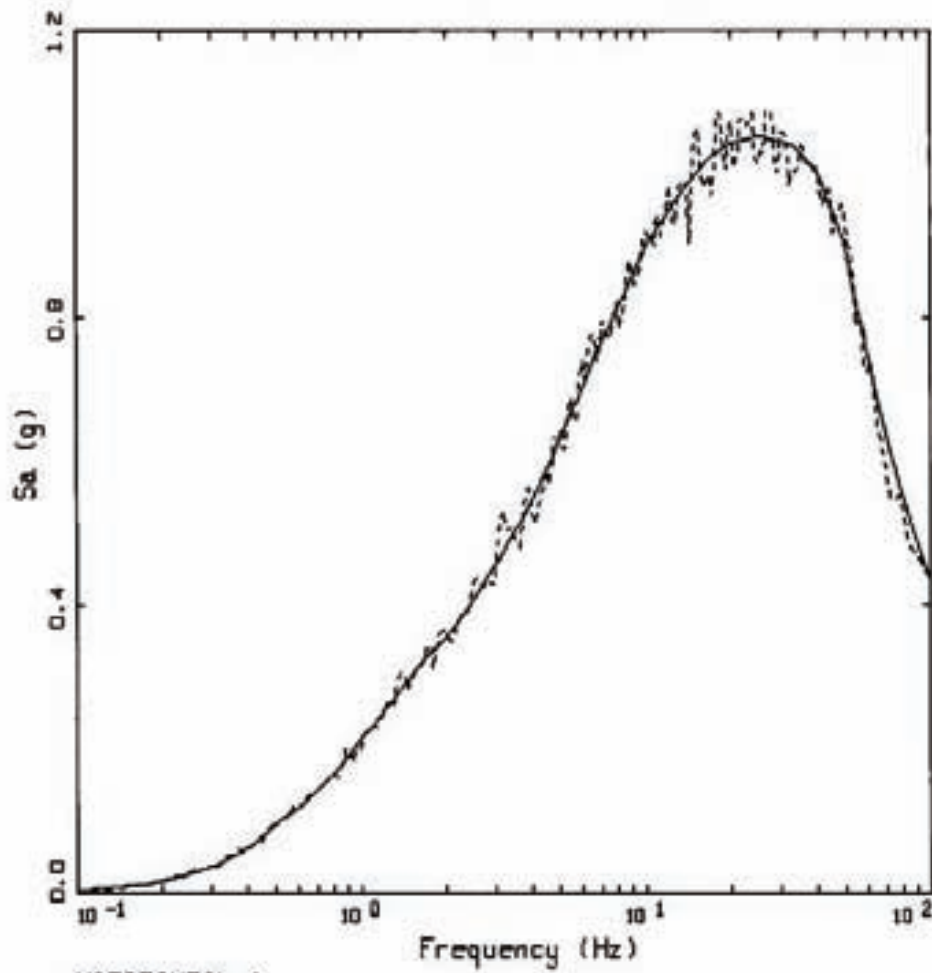


VERTICAL, BRUCE MS.25, R=10MM, SEA.L5283
SPECTRAL RATIO: MATCH/TARGET

- SA RATIO: MATCH/TARGET
- UNITY
- UNITY * 1.3
- UNITY / 1.111

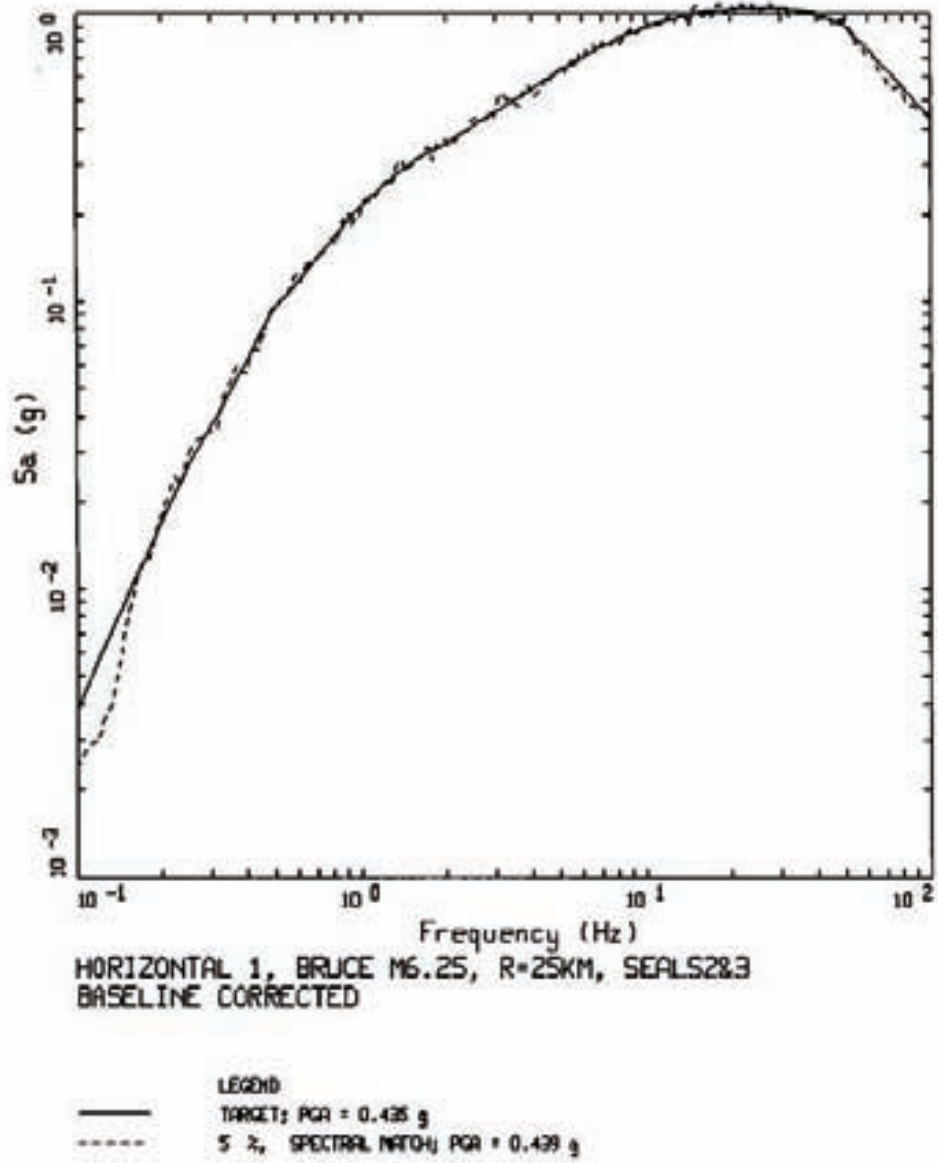


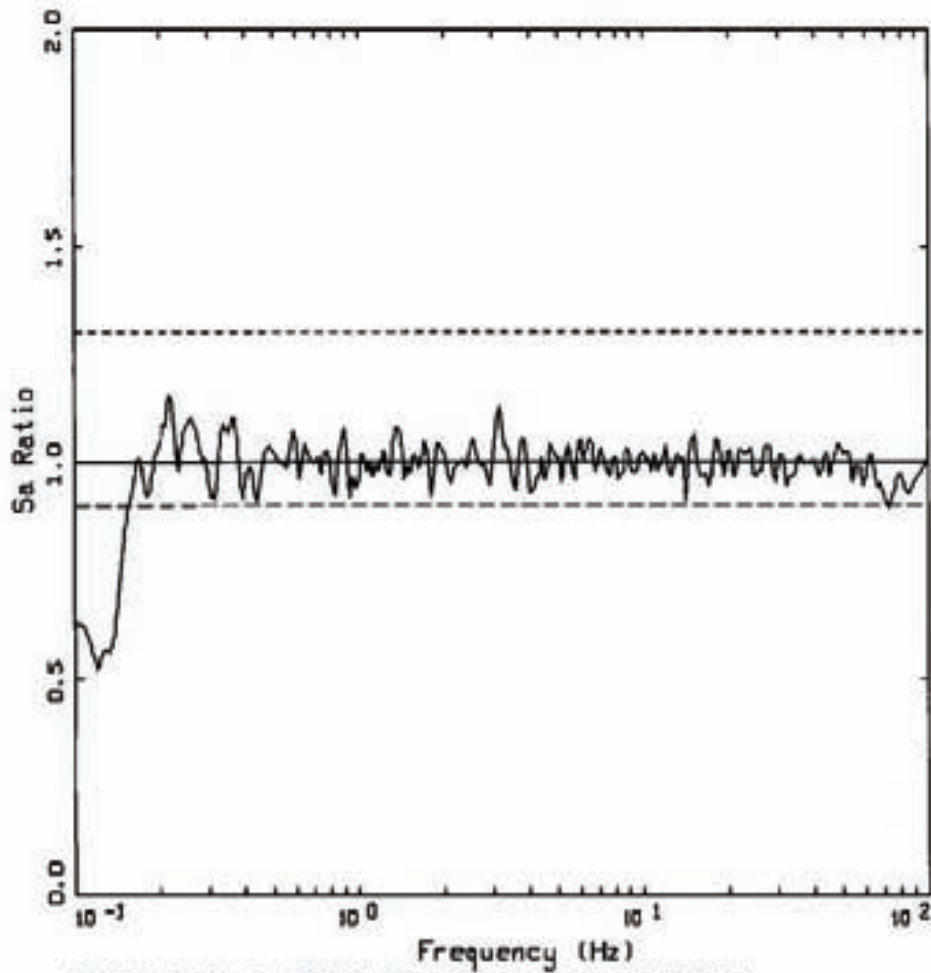
1E-06, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEALS283



HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEALS2&3

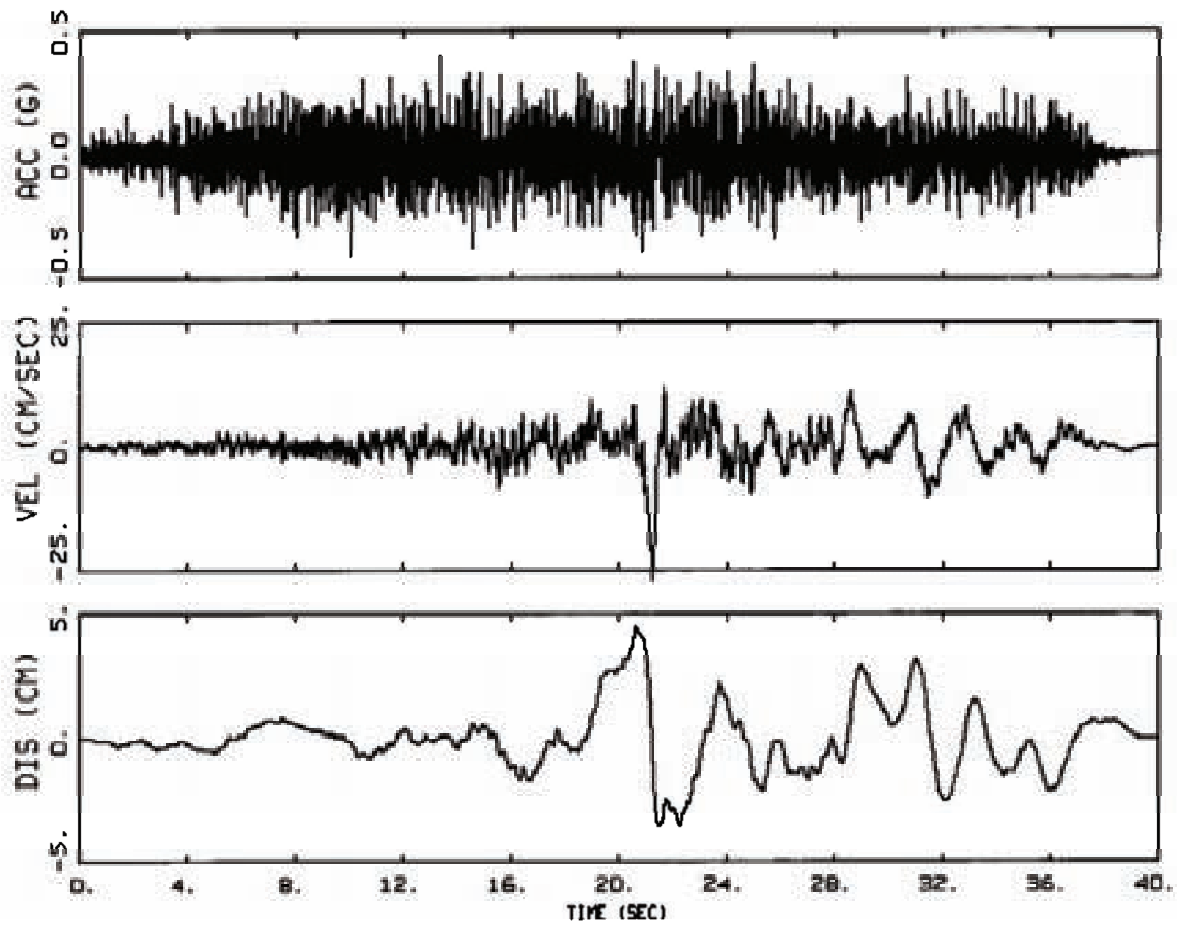
LEGEND
 ——— TARGET; PGA = 0.435 g
 - - - - 5 % SPECTRAL NOTCH; PGA = 0.439 g



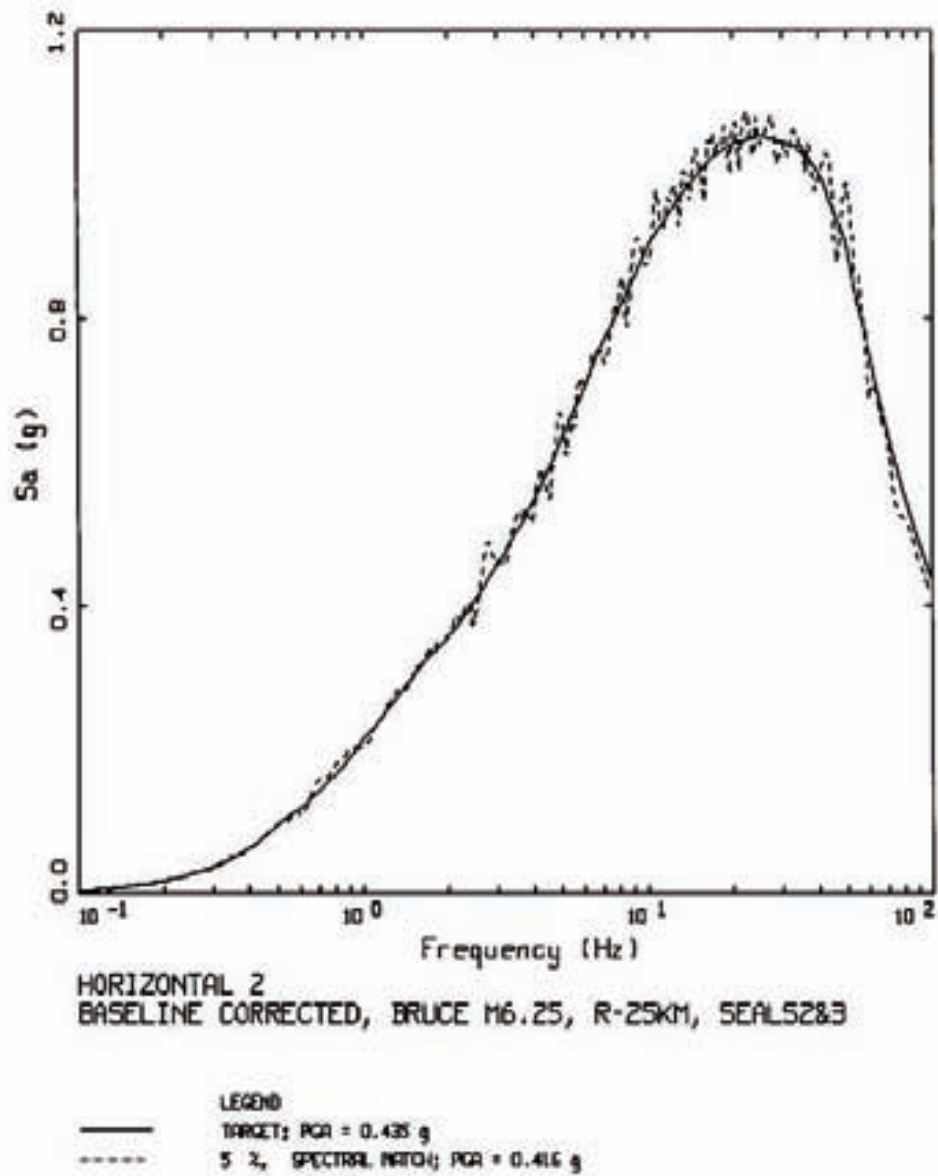


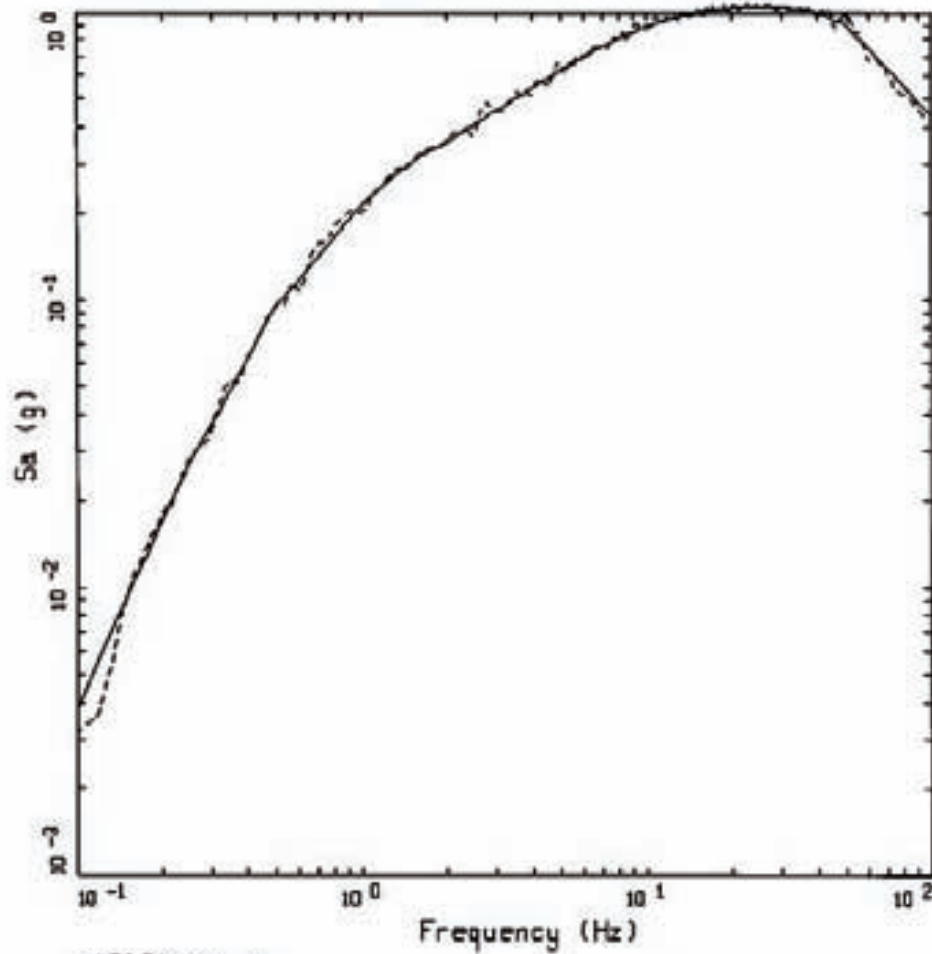
HORIZONTAL 1, BRUCE M6.25, R=25KM, SEALS2&3
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY * 1.3
 - - - UNITY / 1.111



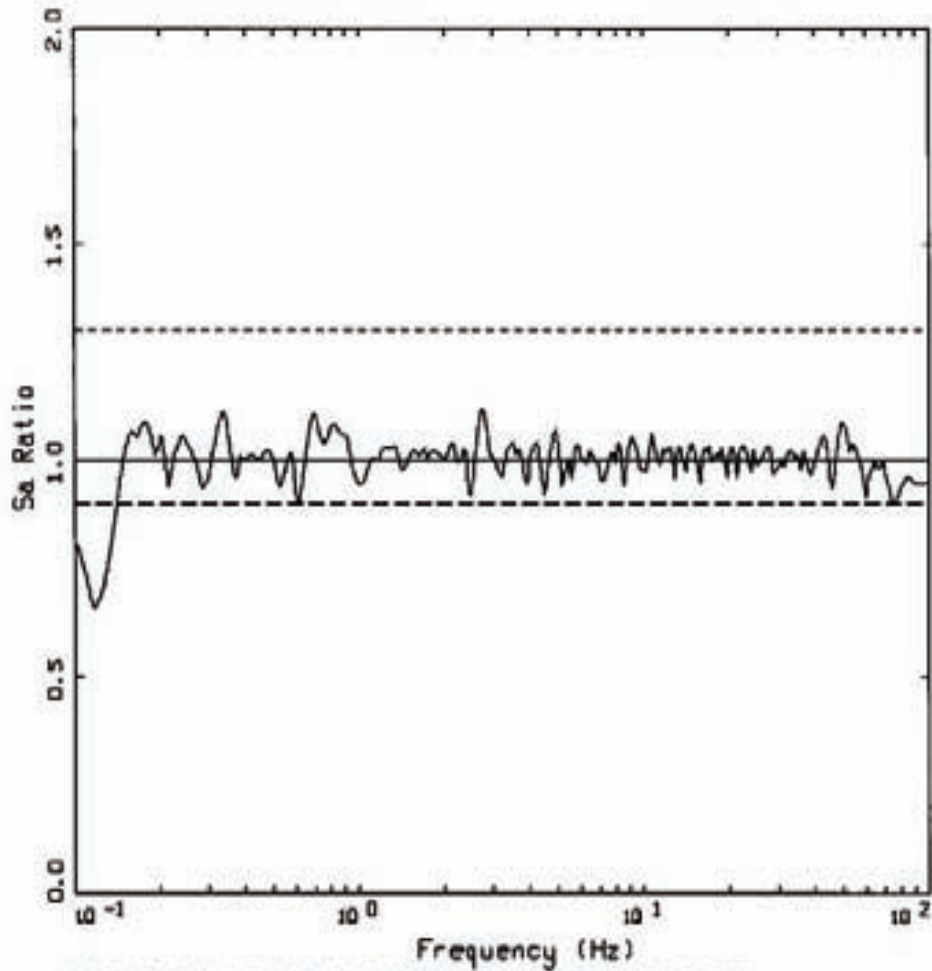
1E-06, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEALS2&3





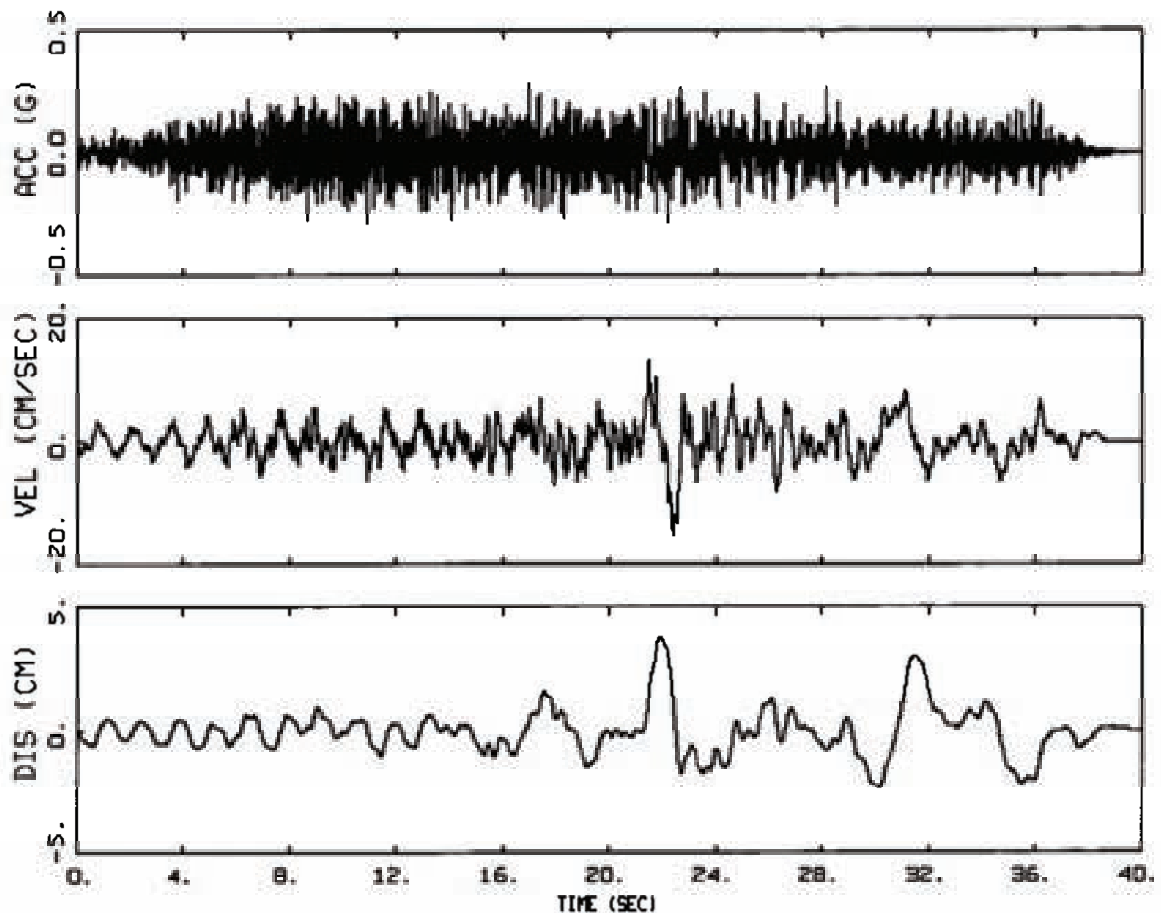
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEALS2&3

LEGEND
 ——— TARGET: PGA = 0.435 g
 - - - - - 5 %, SPECTRAL RATIO: PGA = 0.416 g

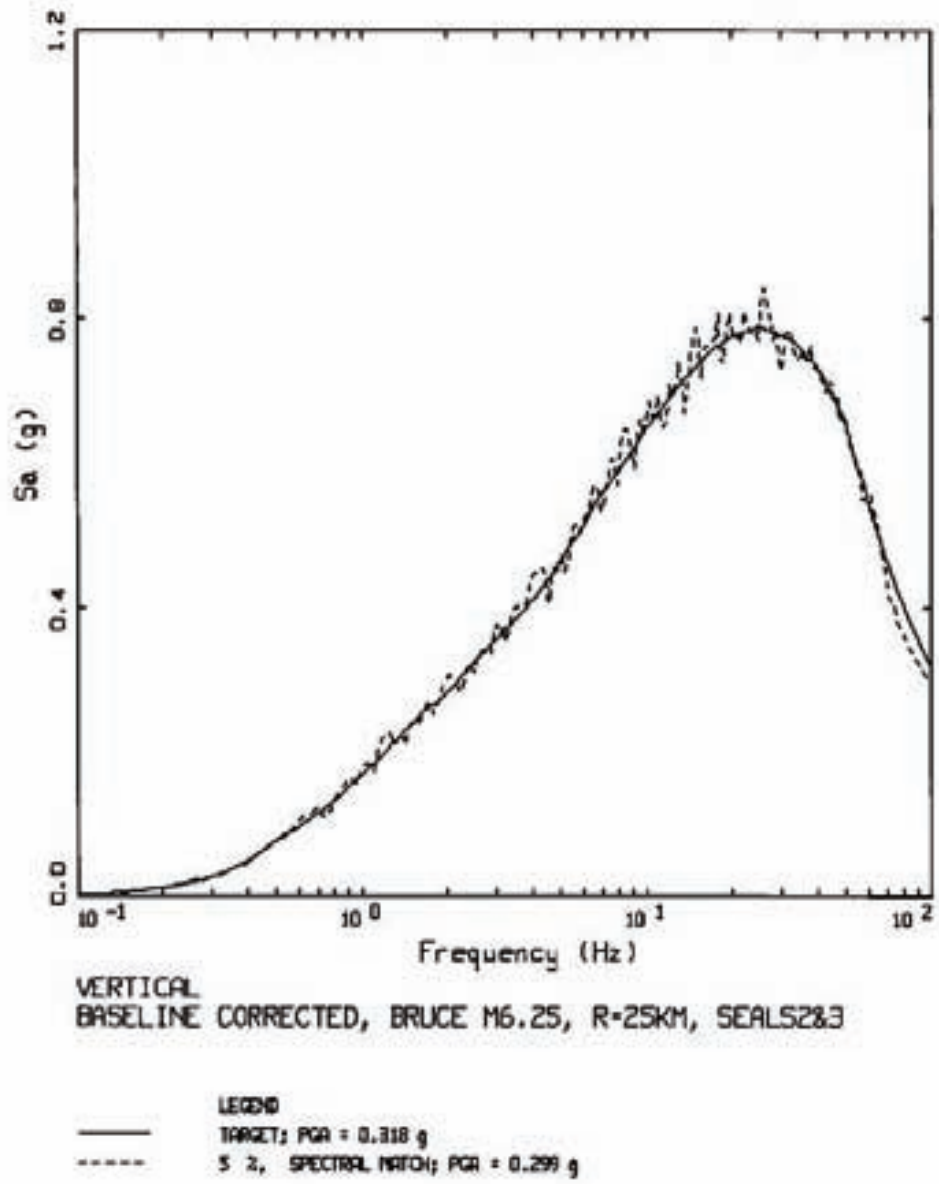


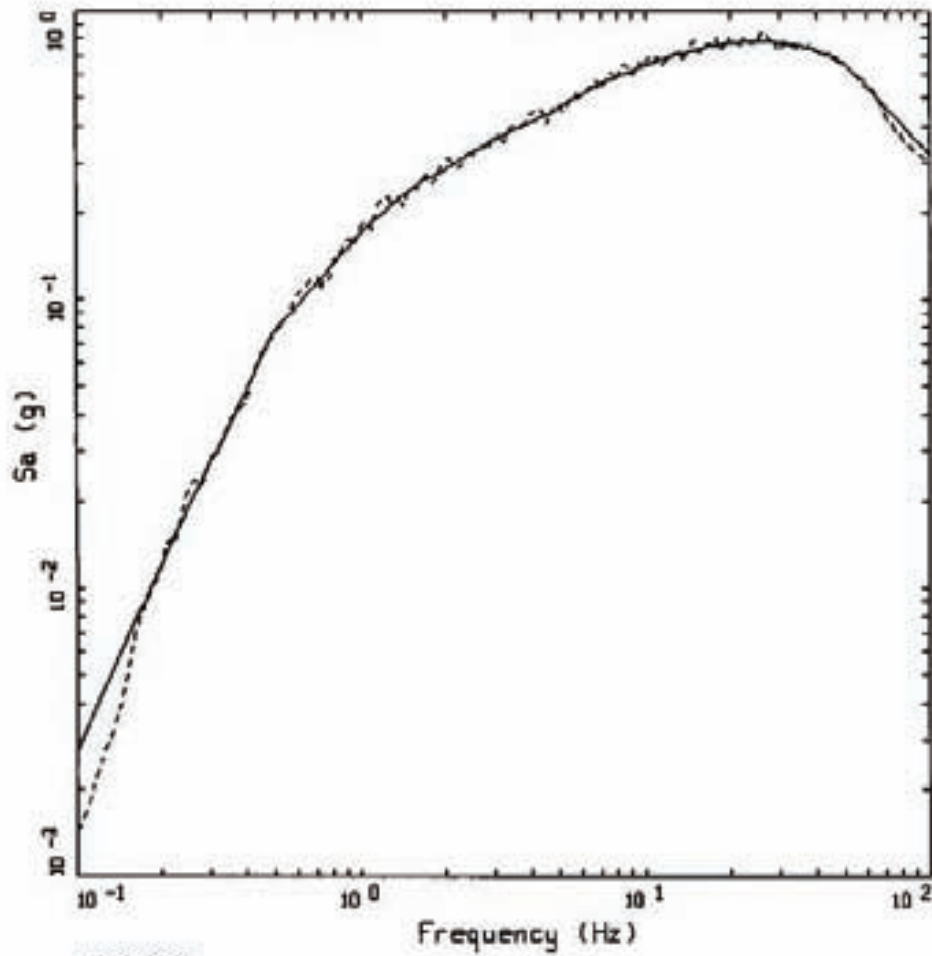
HORIZONTAL Z, BRUCE M6.25, R=25KM, SEALS2&3
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY * 1.3
 - - - UNITY / 1.111



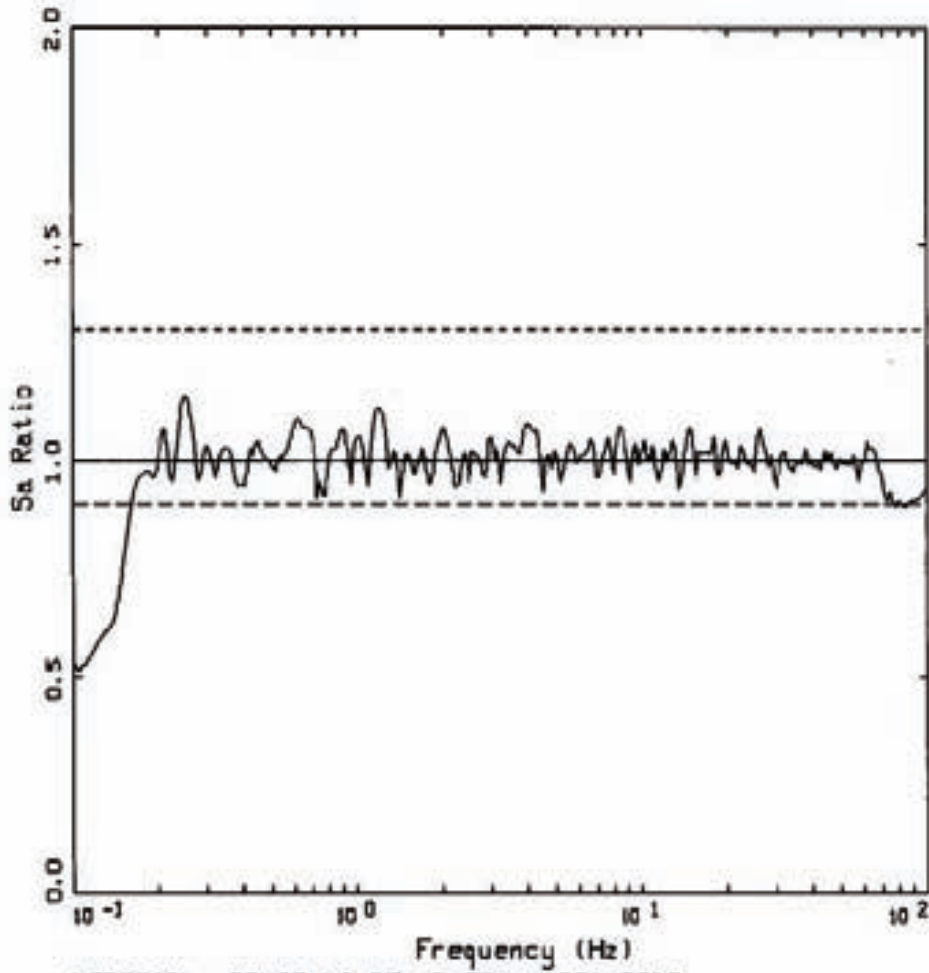
1E-06, VERTICAL
BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEALS2&3





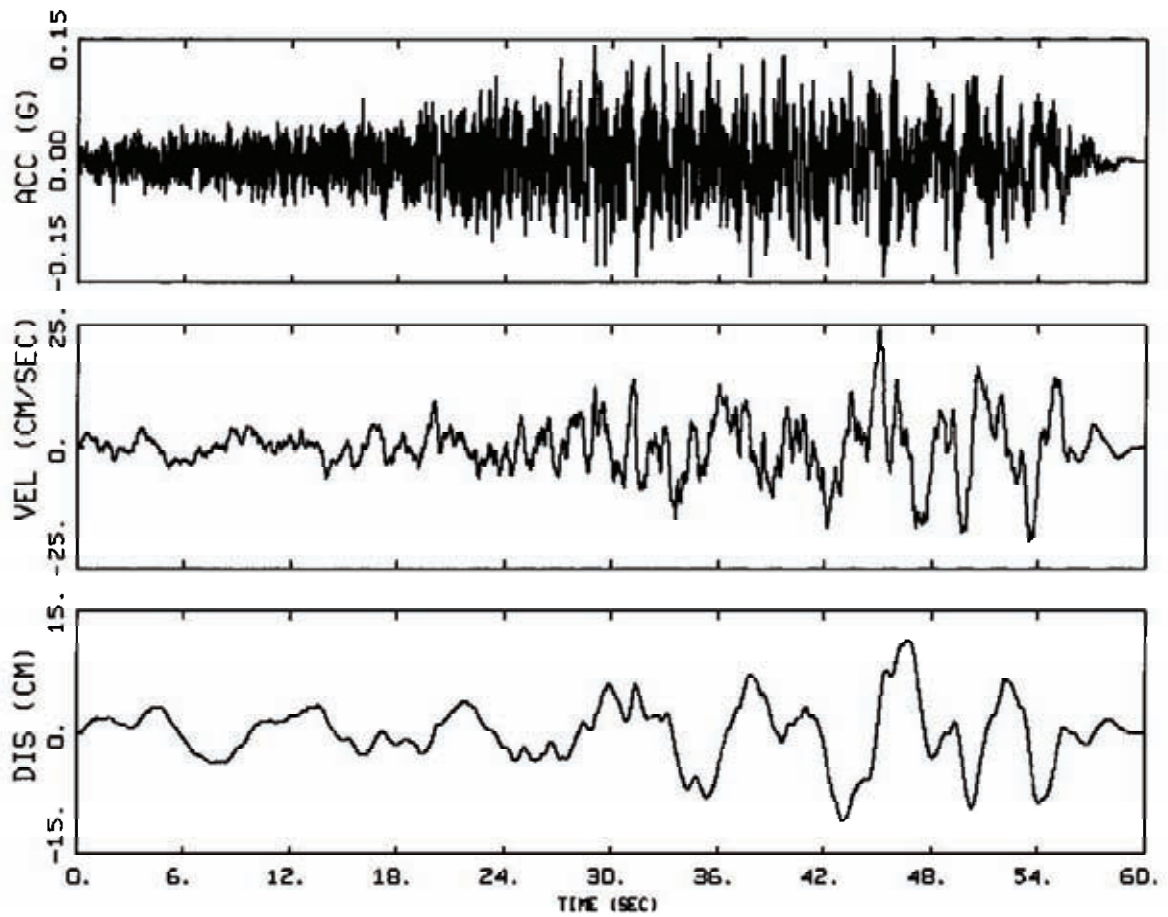
VERTICAL
BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEALS2&3

LEGEND
—— TARGET; PGA = 0.318 g
----- 5 %, SPECTRAL MATCH; PGA = 0.299 g

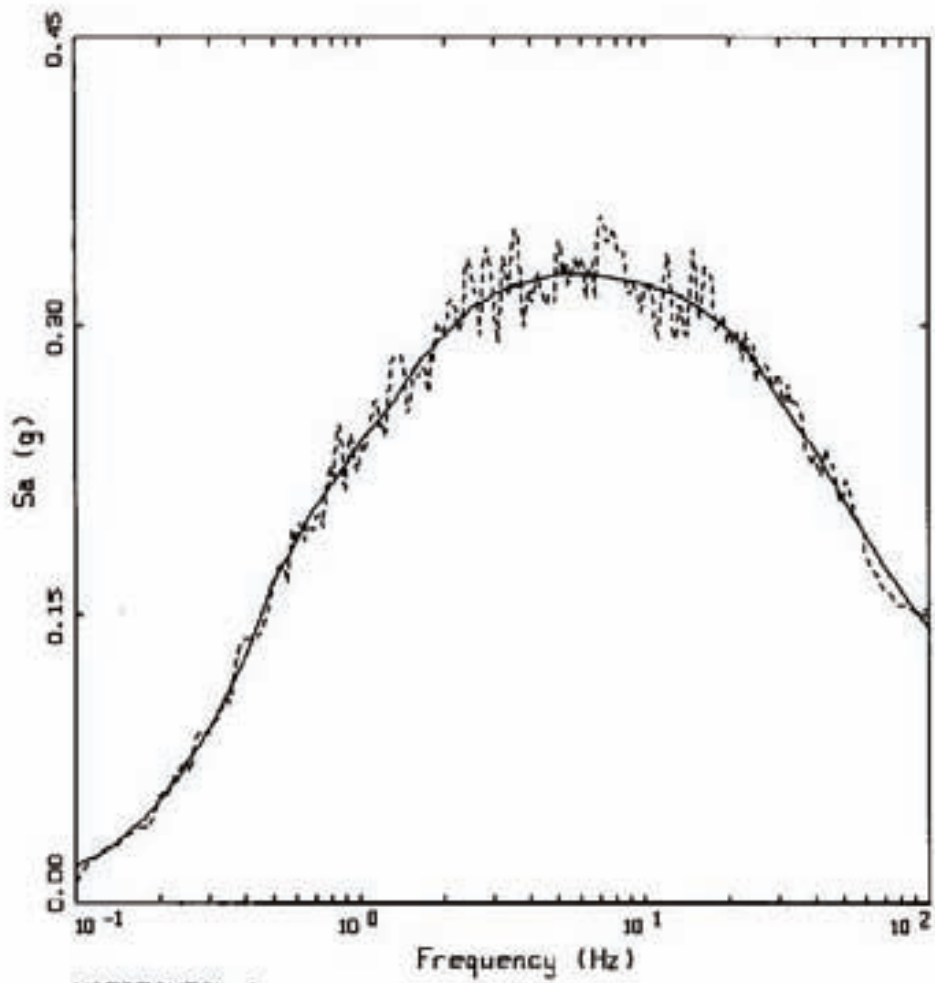


VERTICAL, BRUCE M6.25, R=25KM, SEALS2&3
SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY * 1.3
 - - - UNITY / 1.111

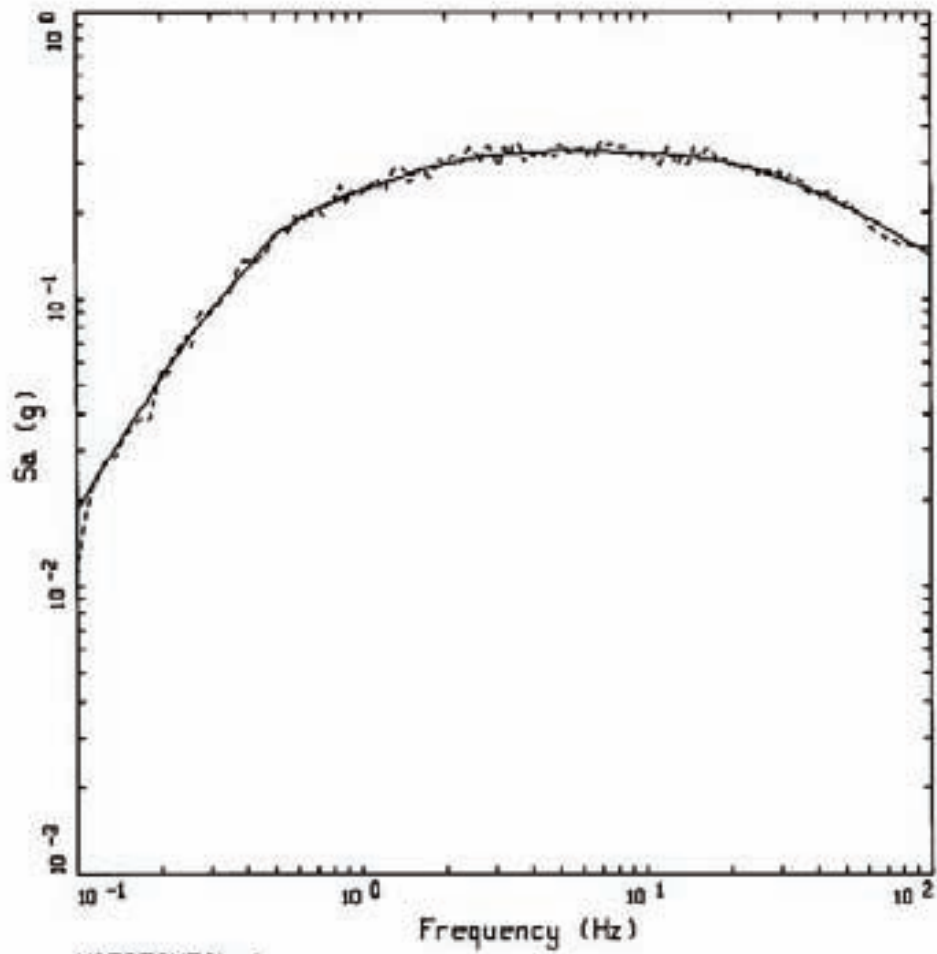


1E-06, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEALS2&3



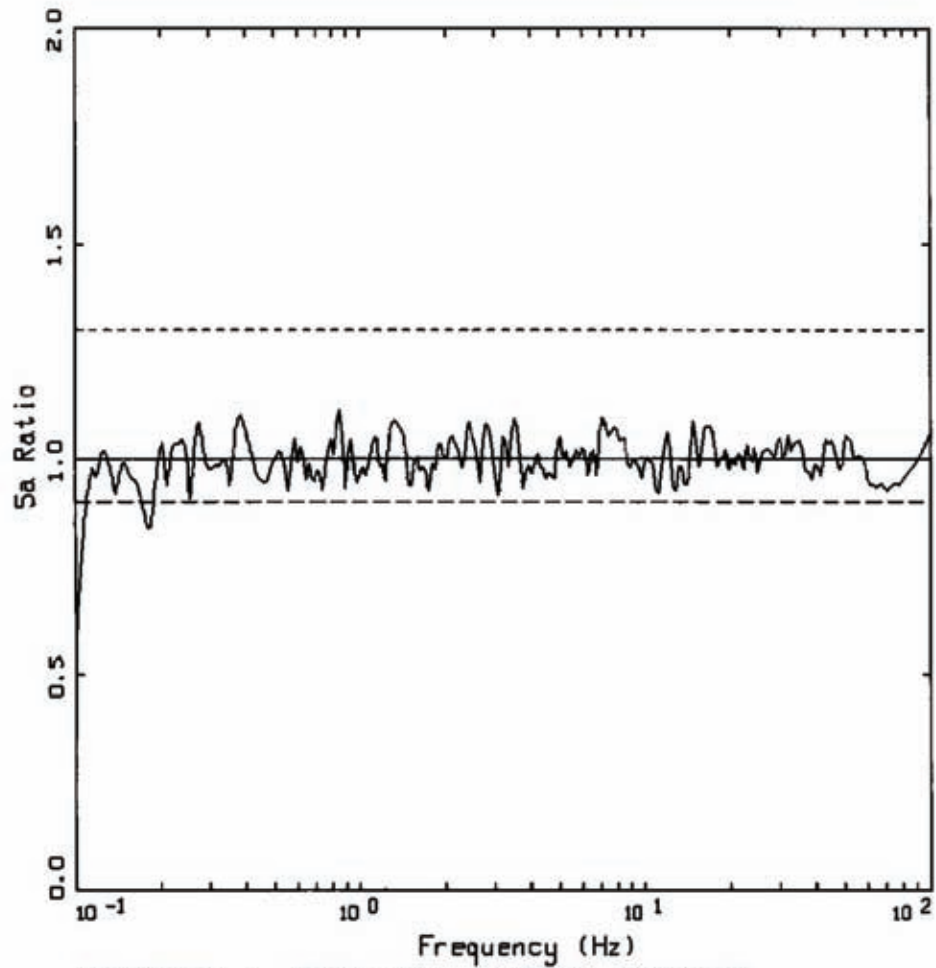
HORIZONTAL 1
BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEALS2&3

LEGEND
—— TARGET; PGA = 0.143 g
----- 5 %, SPECTRAL MATCH; PGA = 0.152 g



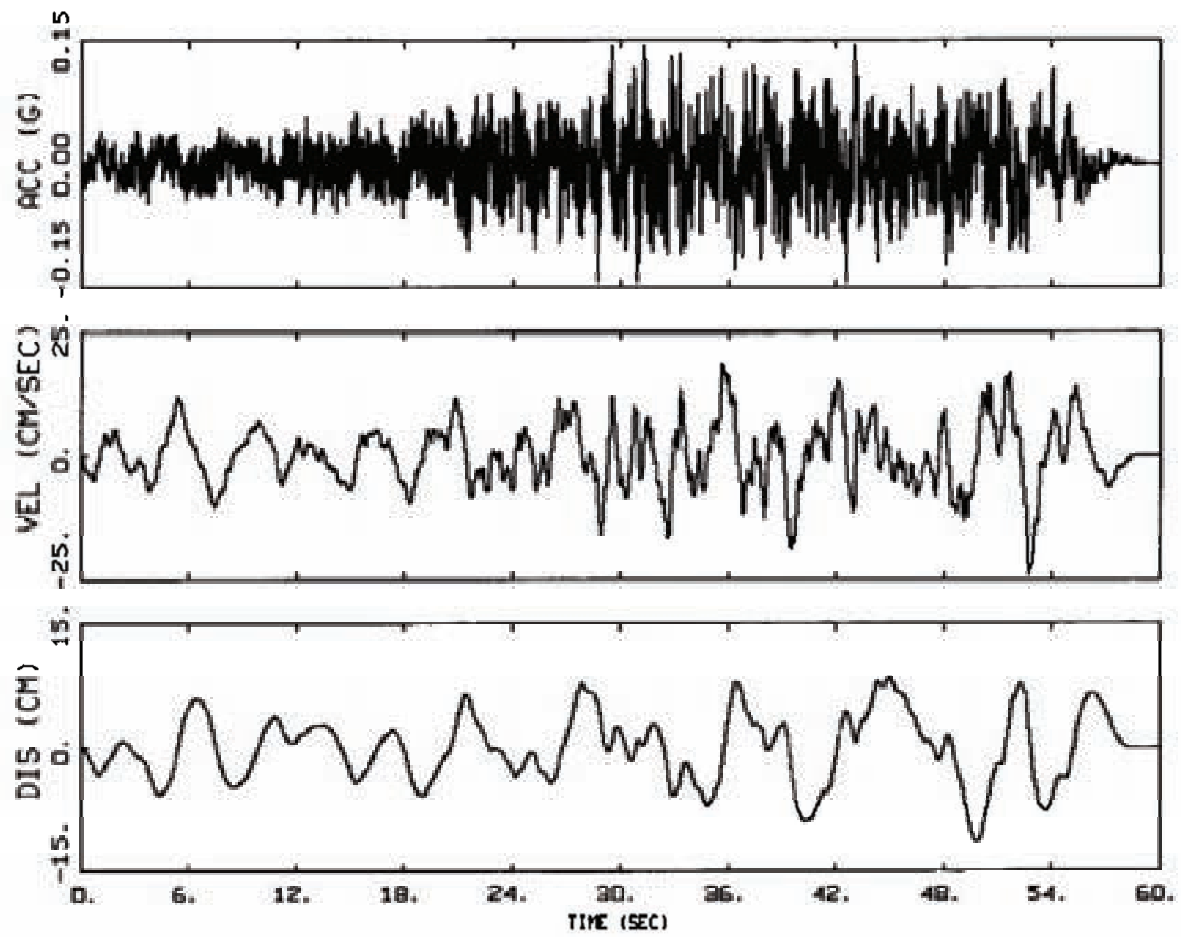
HORIZONTAL 1
BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEALS2&3

LEGEND
—— TARGET: PGA = 0.143 g
- - - 5 % SPECTRAL RATIO: PGA = 0.152 g

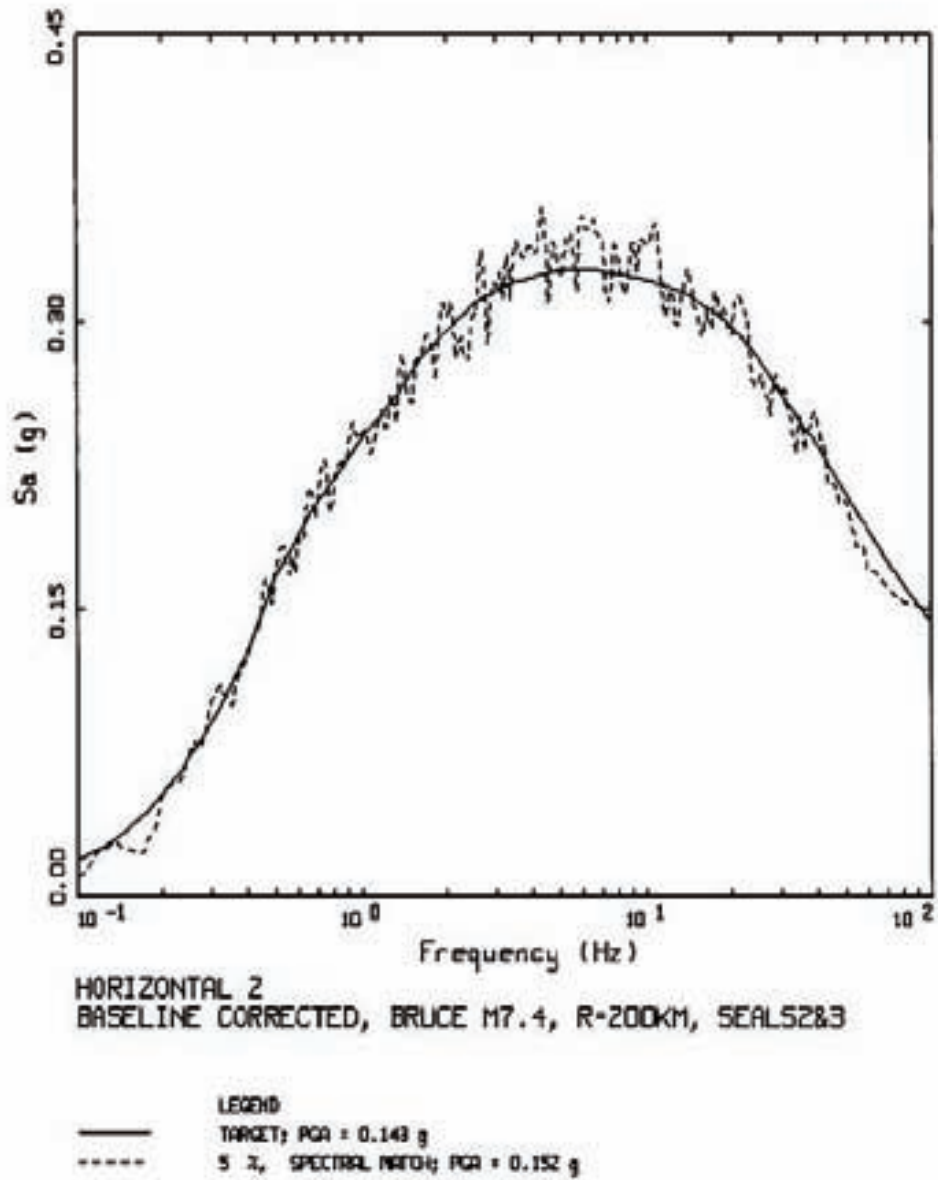


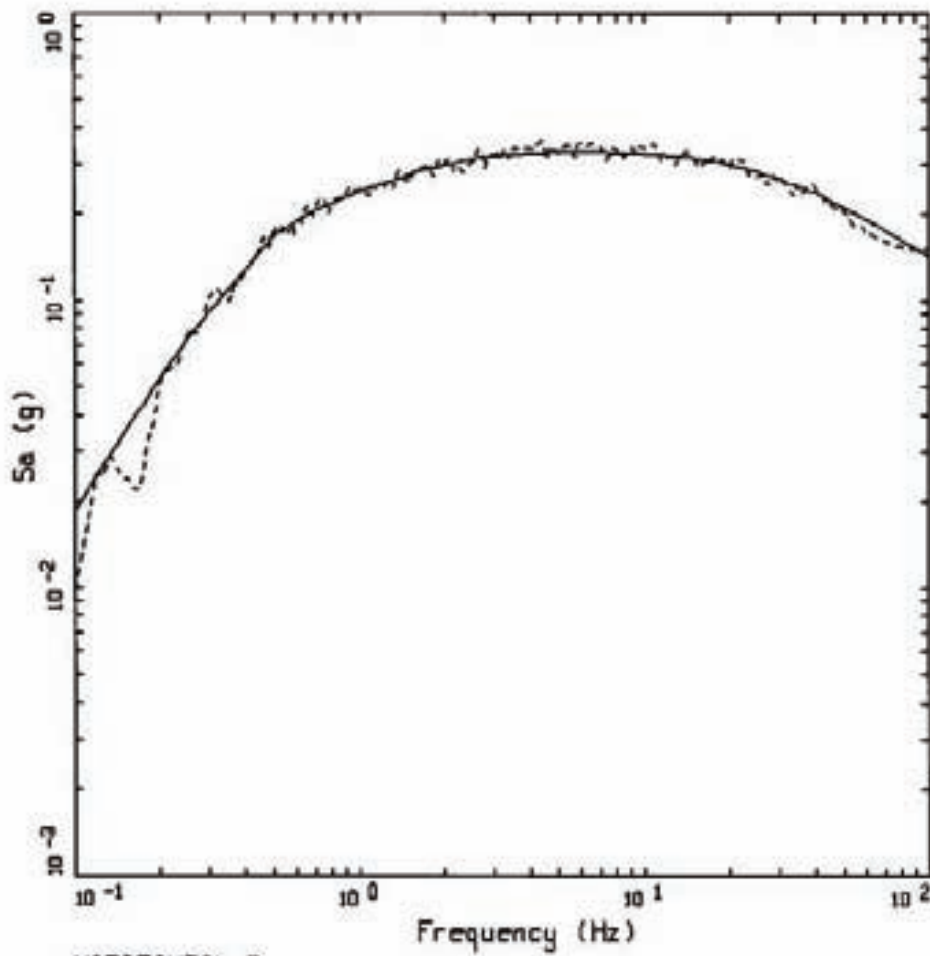
HORIZONTAL 1, BRUCE M7.4, R=200KM, SEALS2&3
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111



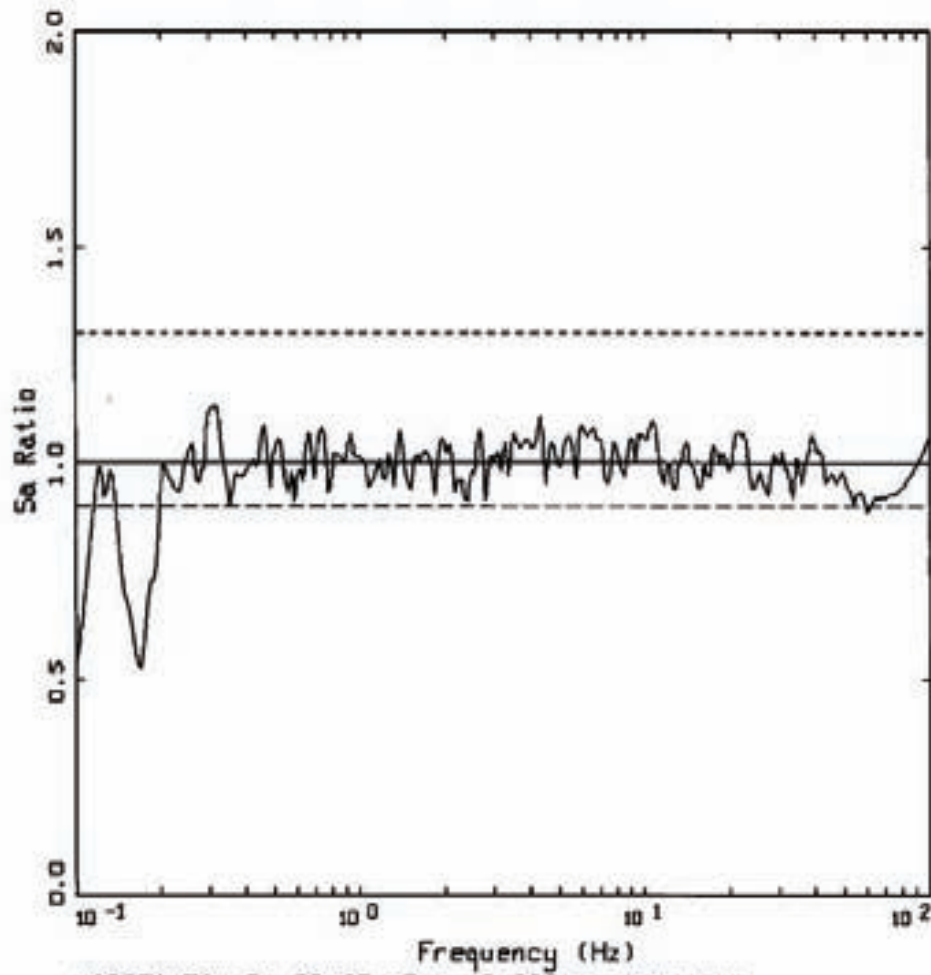
1E-06, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEALS283





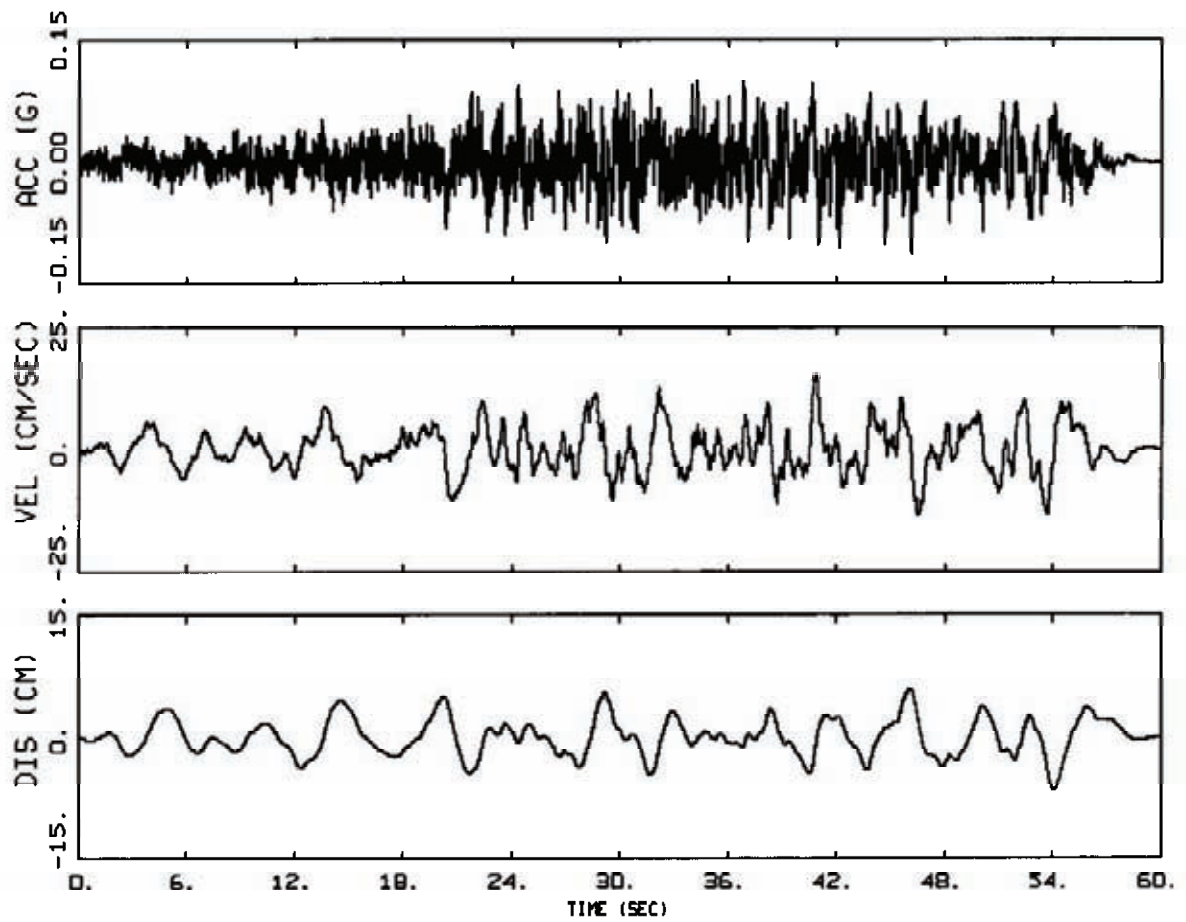
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEALS2&3

LEGEND
 ——— TARGET; PGA = 0.143 g
 - - - - 5 %, SPECTRAL MATCH; PGA = 0.152 g

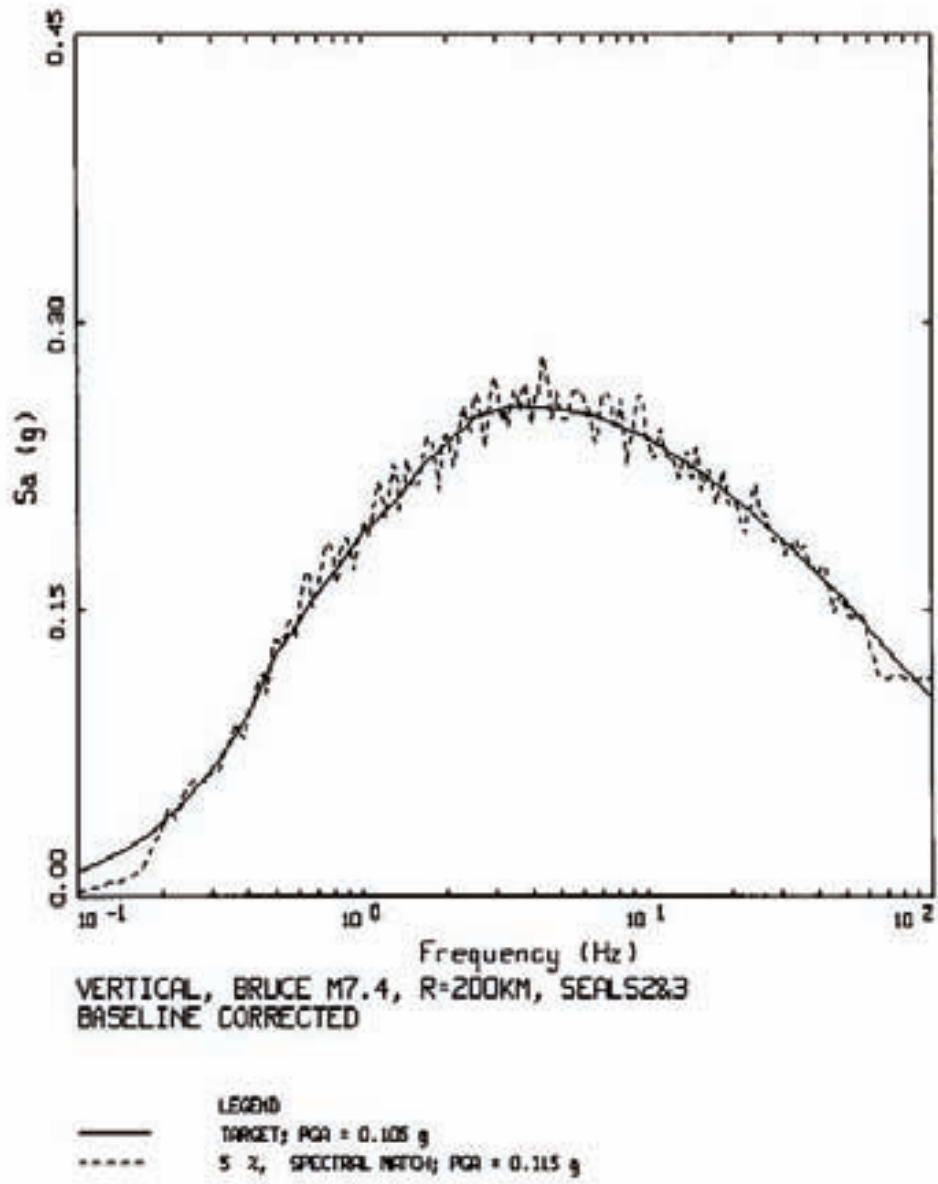


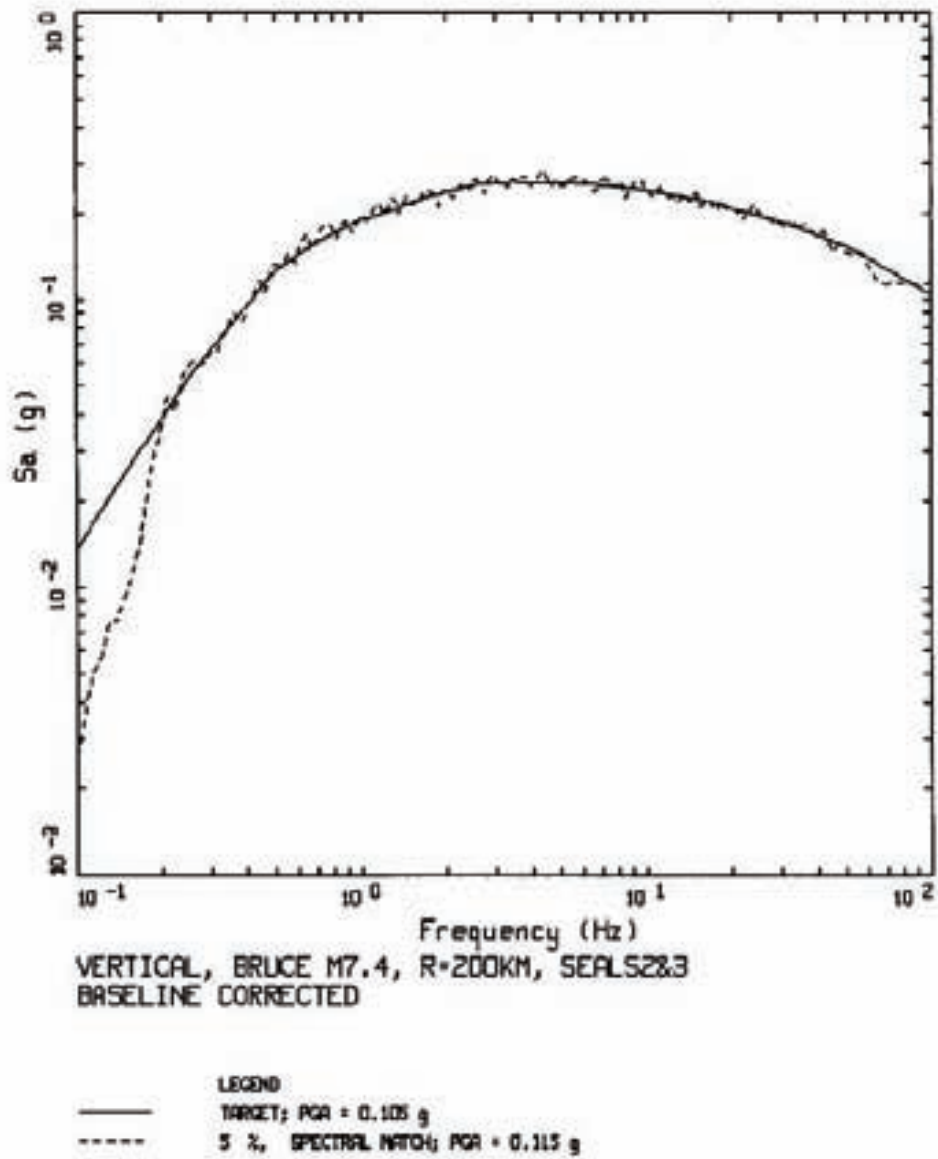
HORIZONTAL 2, BRUCE M7.4, R=200KM, SEALS2&3
 SPECTRAL RATIO: MATCH/TARGET

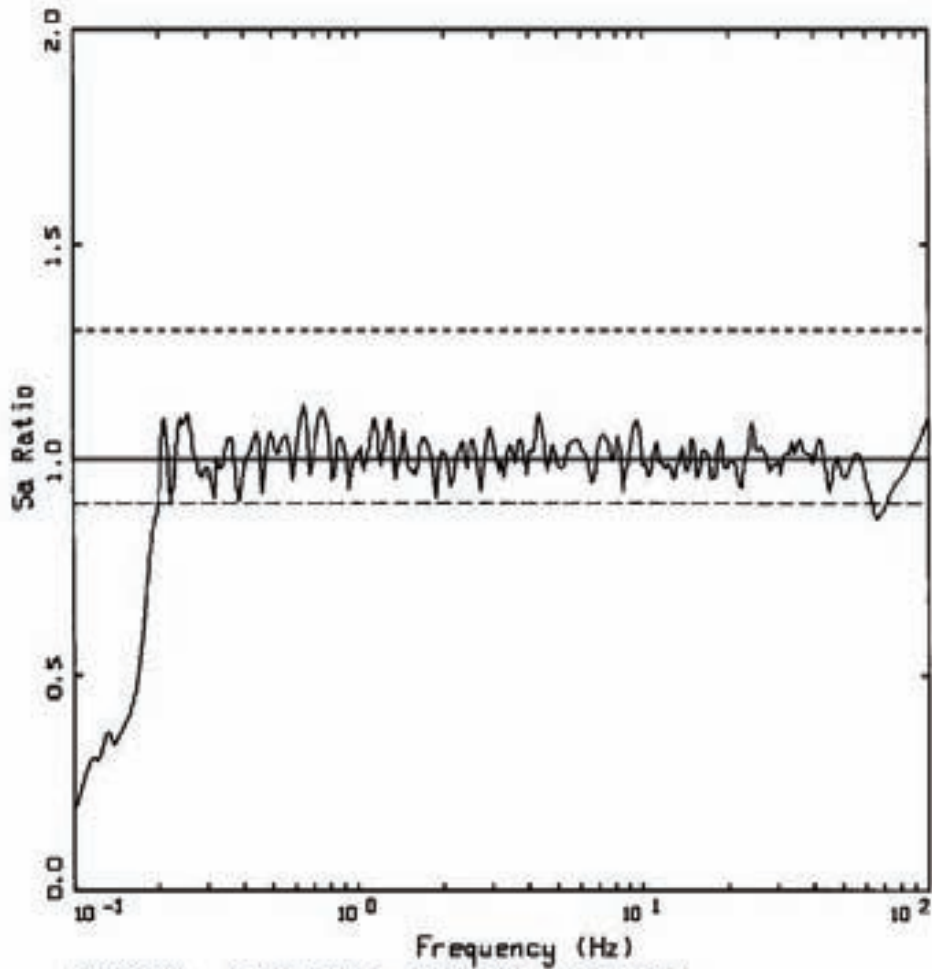
- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111



1E-06, VERTICAL
BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEALS2&3



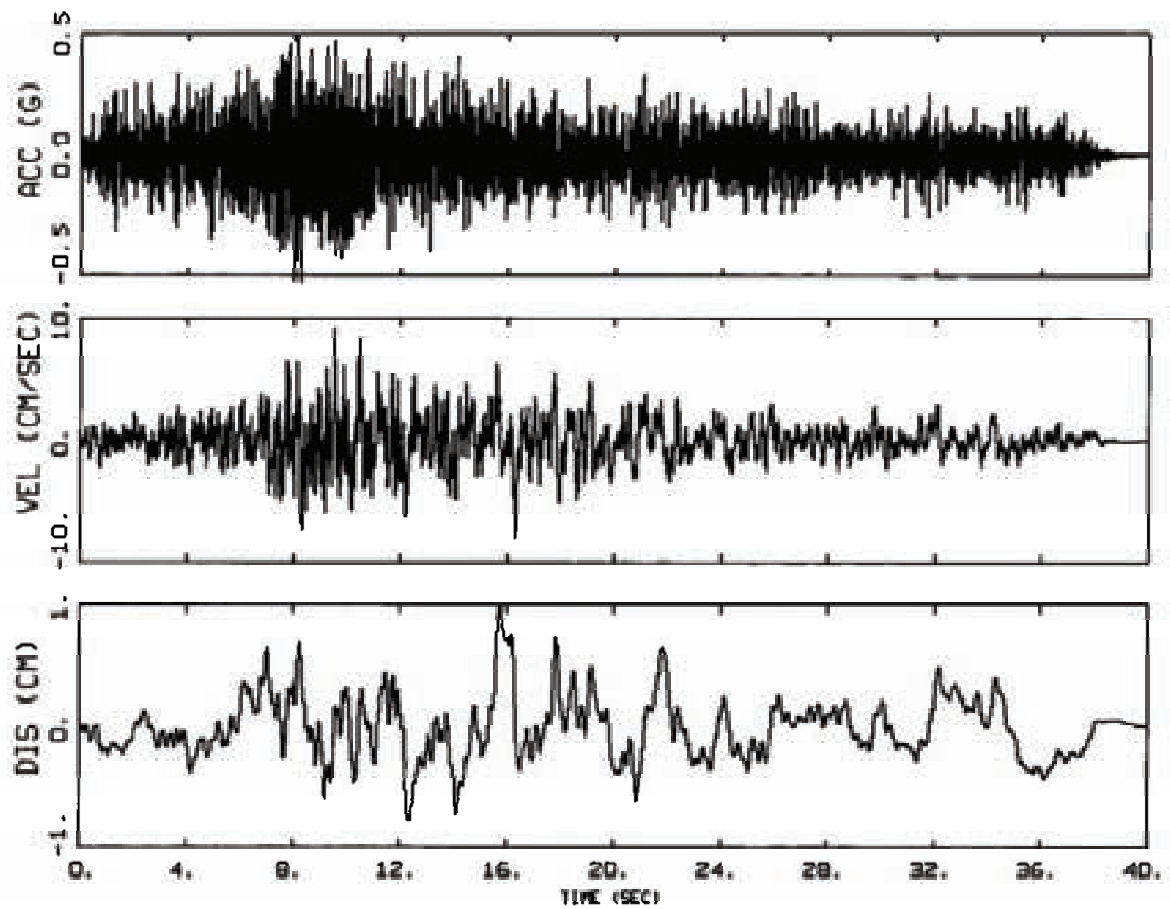




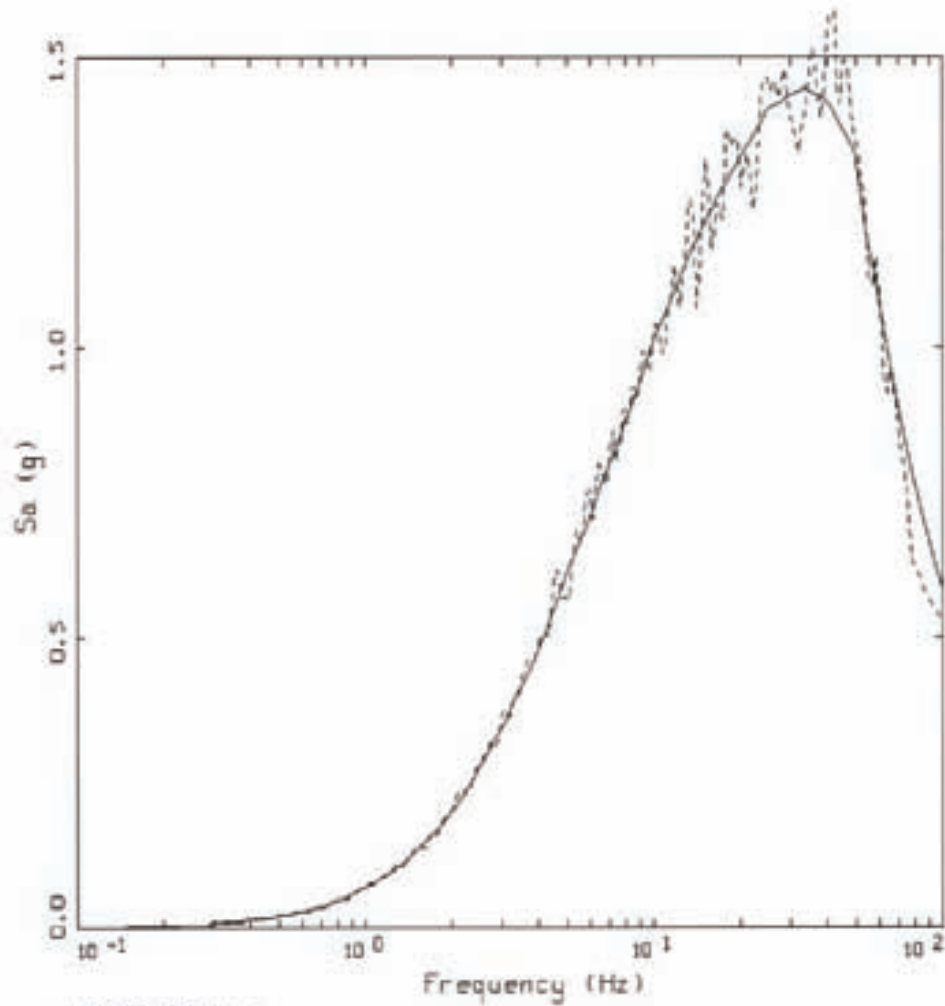
VERTICAL, BRUCE M7.4, R=200KM, SEALS2&3
 SPECTRAL RATIO: MATCH/TARGET

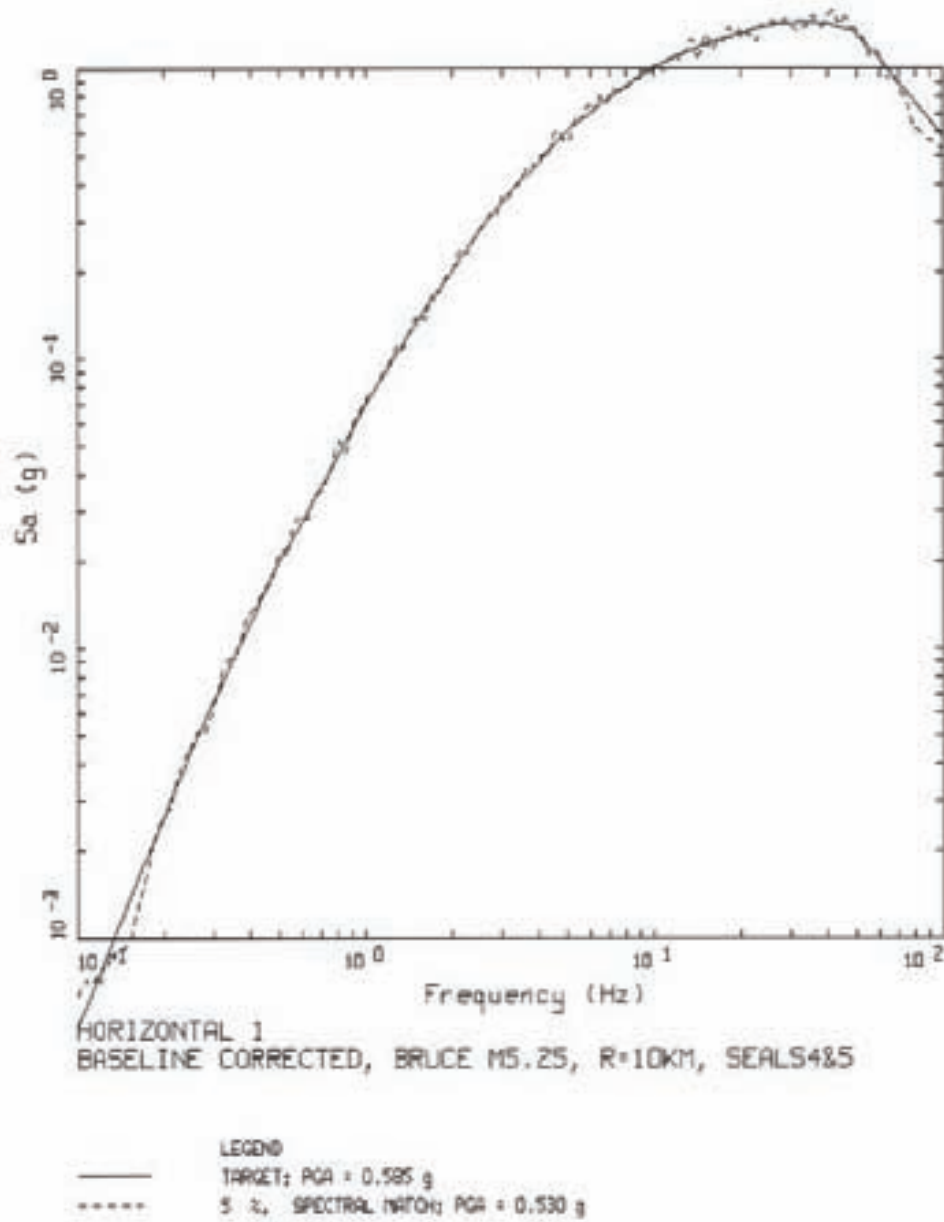
- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY * 1.3
 - - - UNITY / 1.111

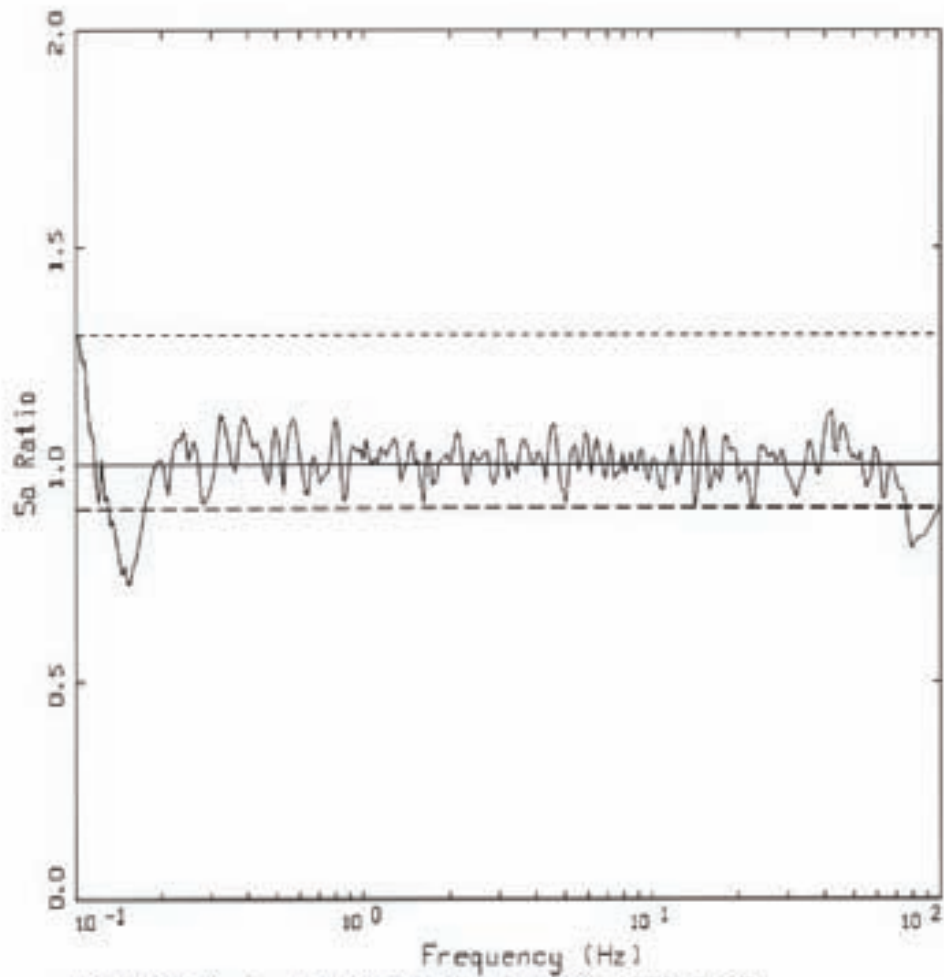
Figure B8. Acceleration, velocity, displacement time histories, spectral match (linear and log S_a axes), and ratios of target design spectrum to match spectrum, Horizontal (H1 and H2) and vertical components for all three design spectra: Seals 4 and 5, AEF 10^{-6} .



1E-06, HORIZONTAL 1
BASELINE CORRECTED, BRUCE MS.25, R=10KM, SEALS485

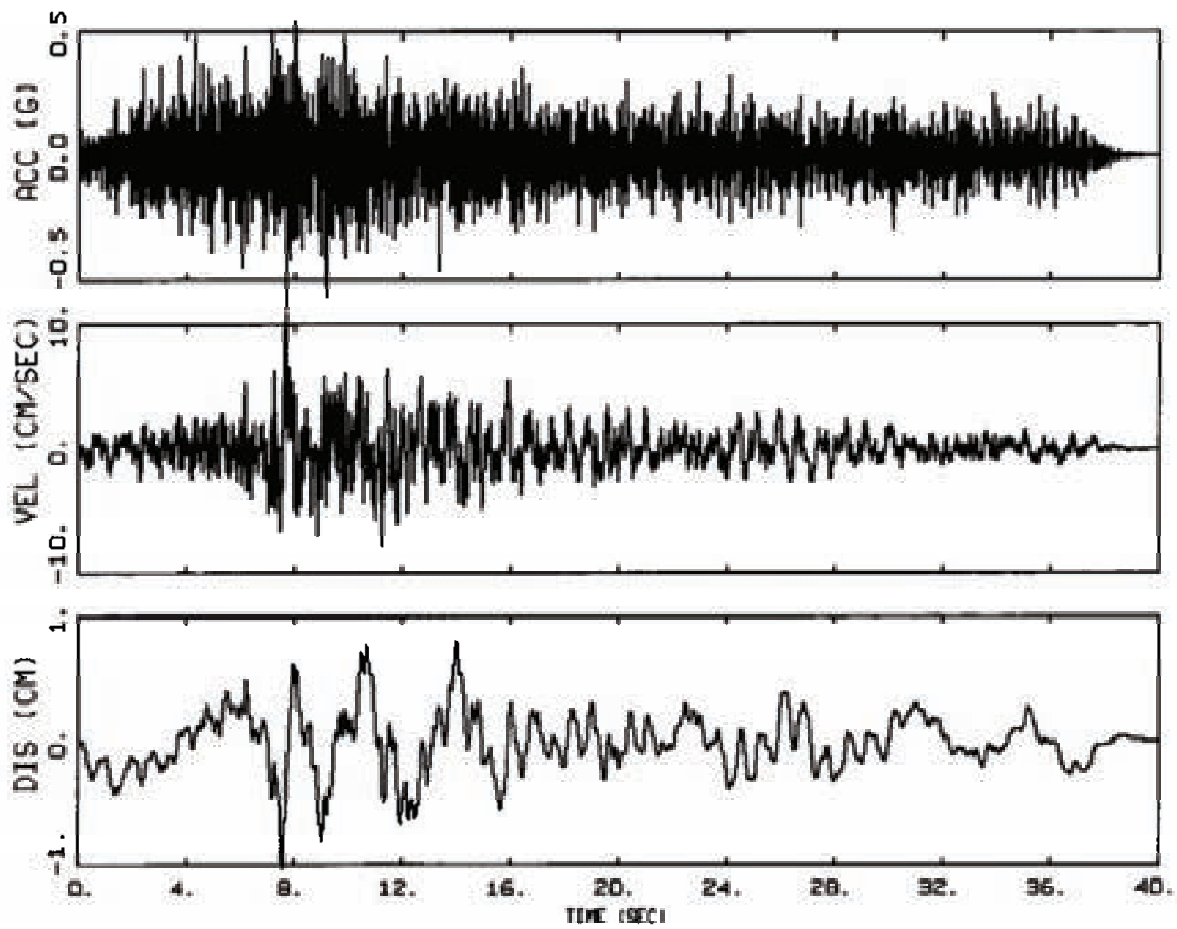




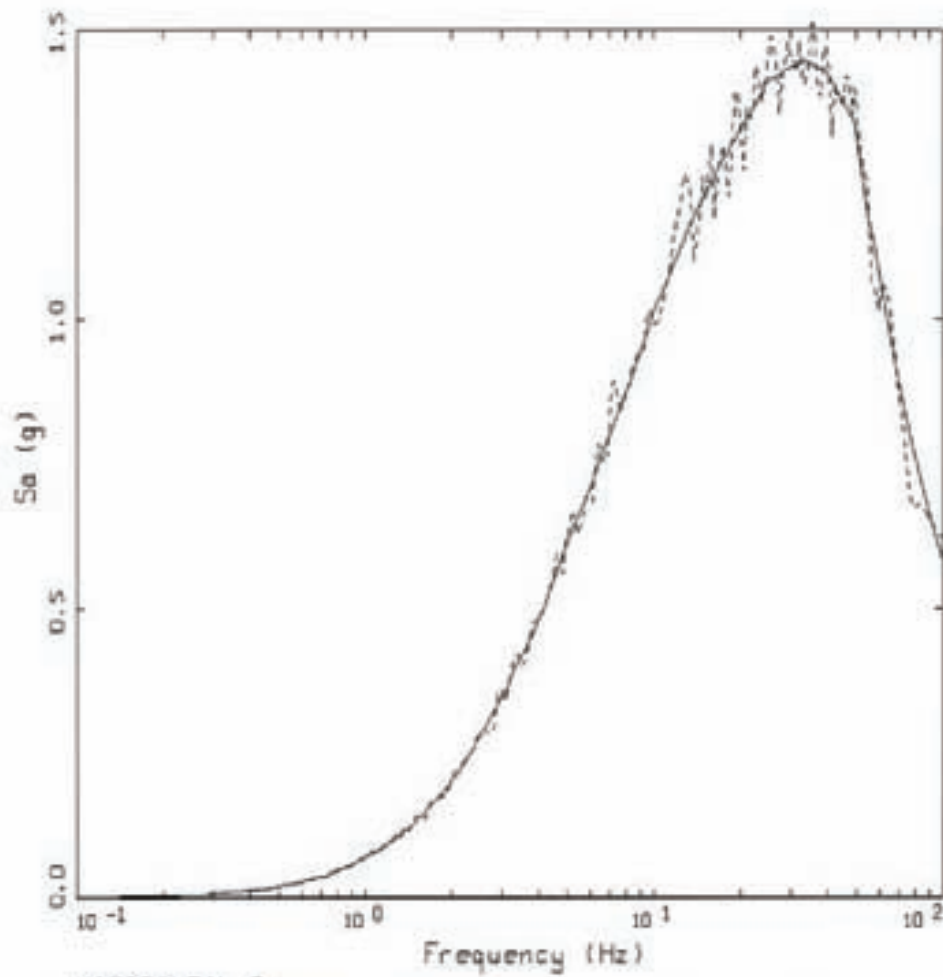


HORIZONTAL 1, BRUCE MS.25, R=10KM, SEALS4&5
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111

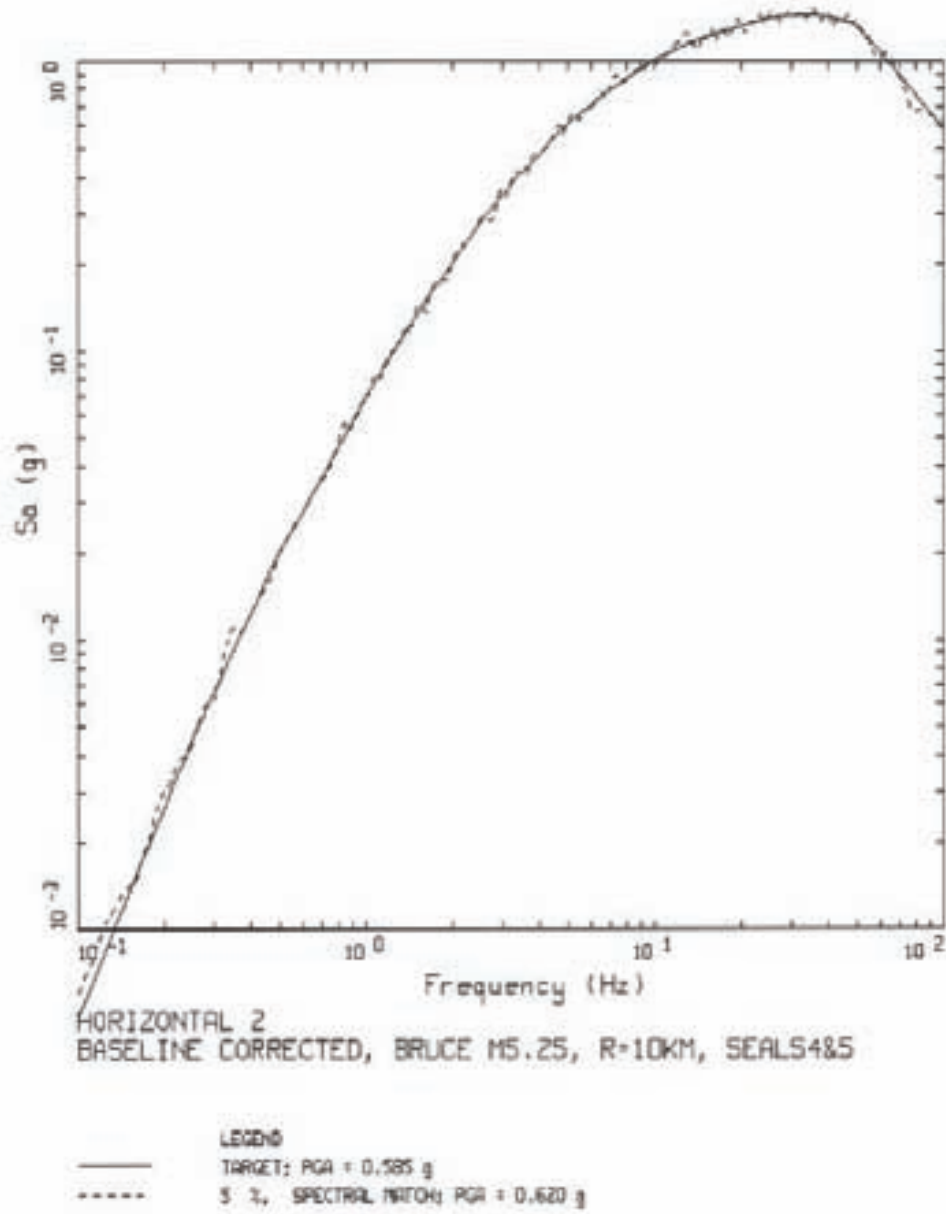


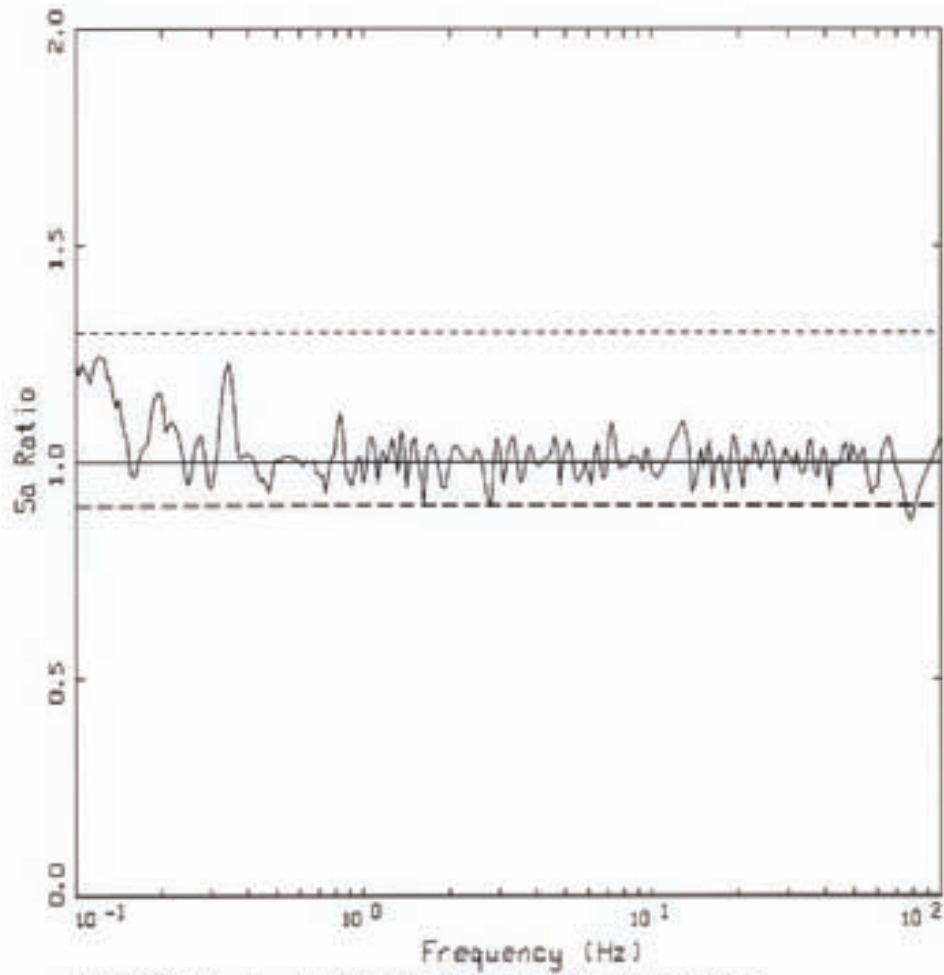
1E-06, HORIZONTAL 2
BASELINE CORRECTED, BRUCE MS.25, R=10KM, SEALS4&5



HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M5.25, R=10KM, SEALS4&5

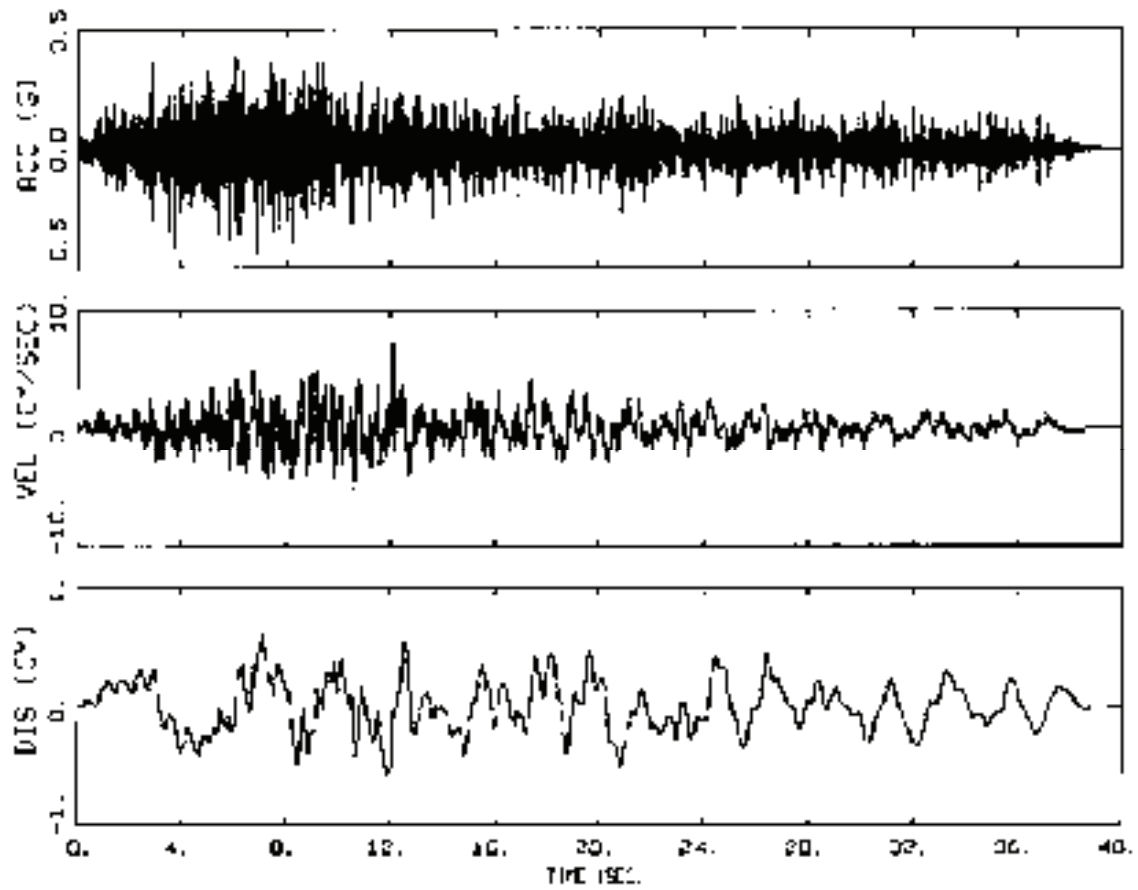
LEGEND
 ——— TARGET: PGA = 0.585 g
 5 %, SPECTRAL NOTCH; PGA = 0.620 g



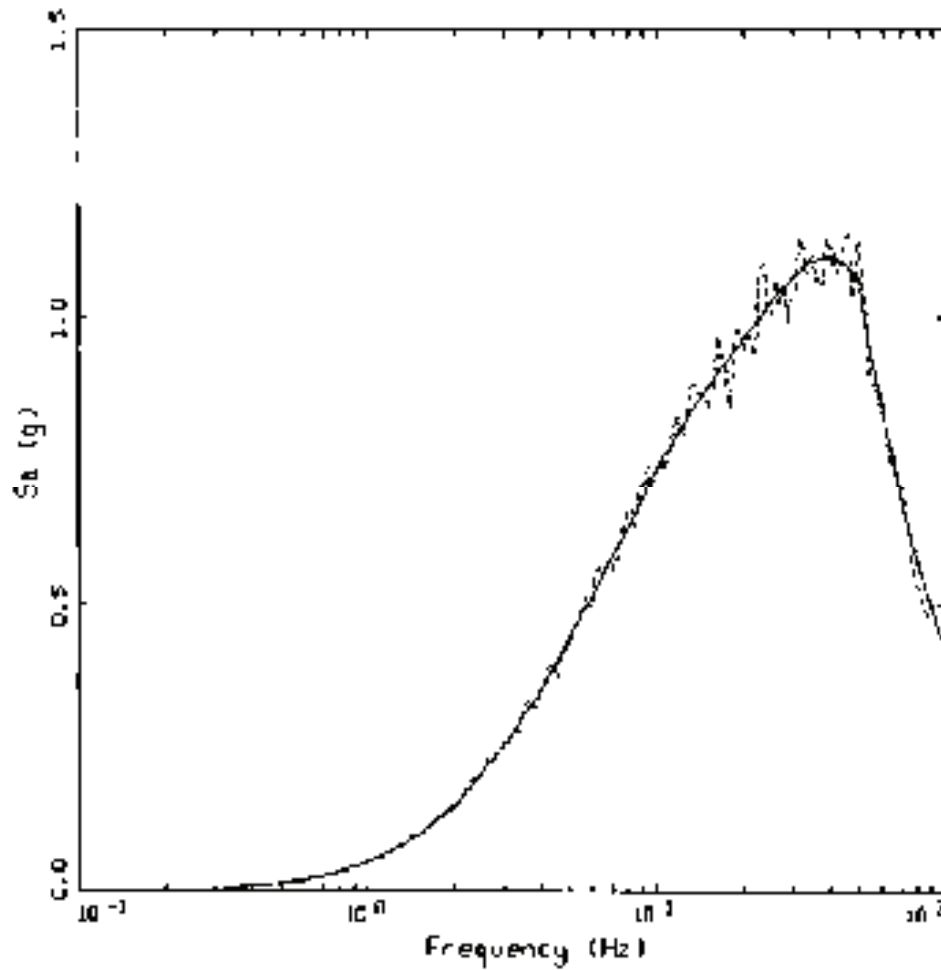


HORIZONTAL 1, BRUCE MS.25, R=10KM, SEALS4&5
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY * 1.3
 - - - UNITY / 1.111

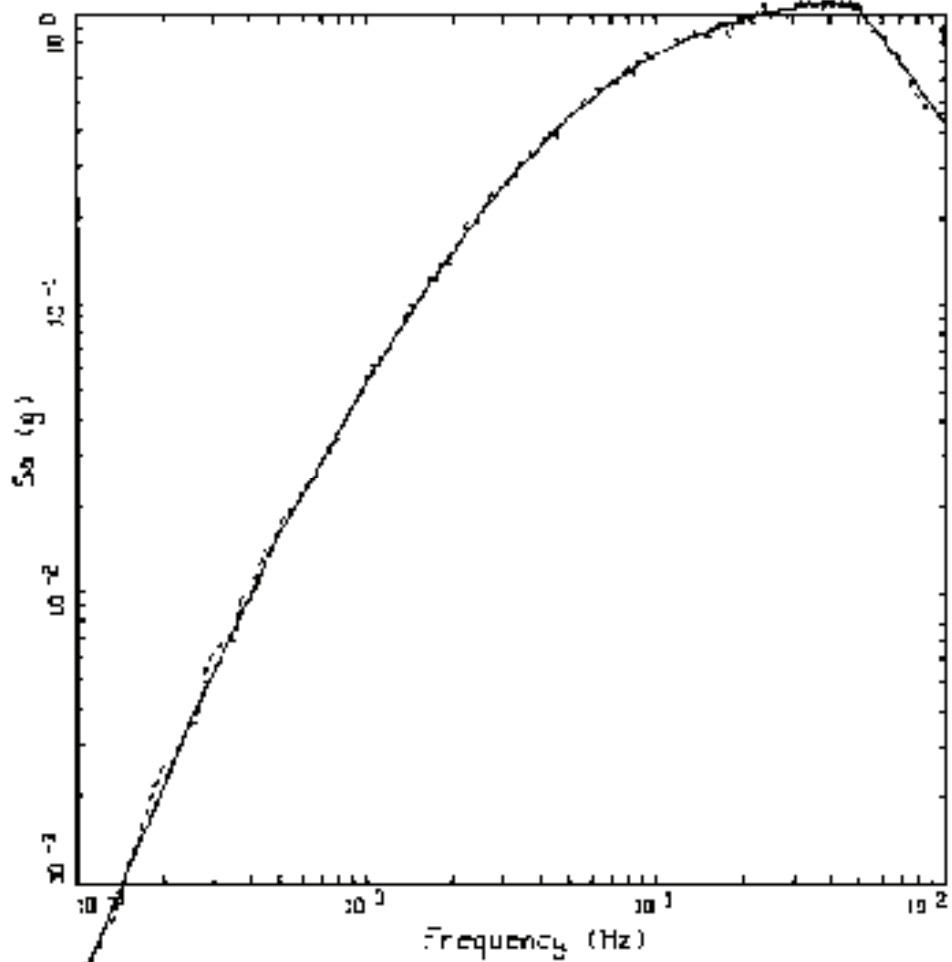


1E-06, VERTICAL
BASELINE CORRECTED, BRUCE MS.25, R=100M, STATION 5485

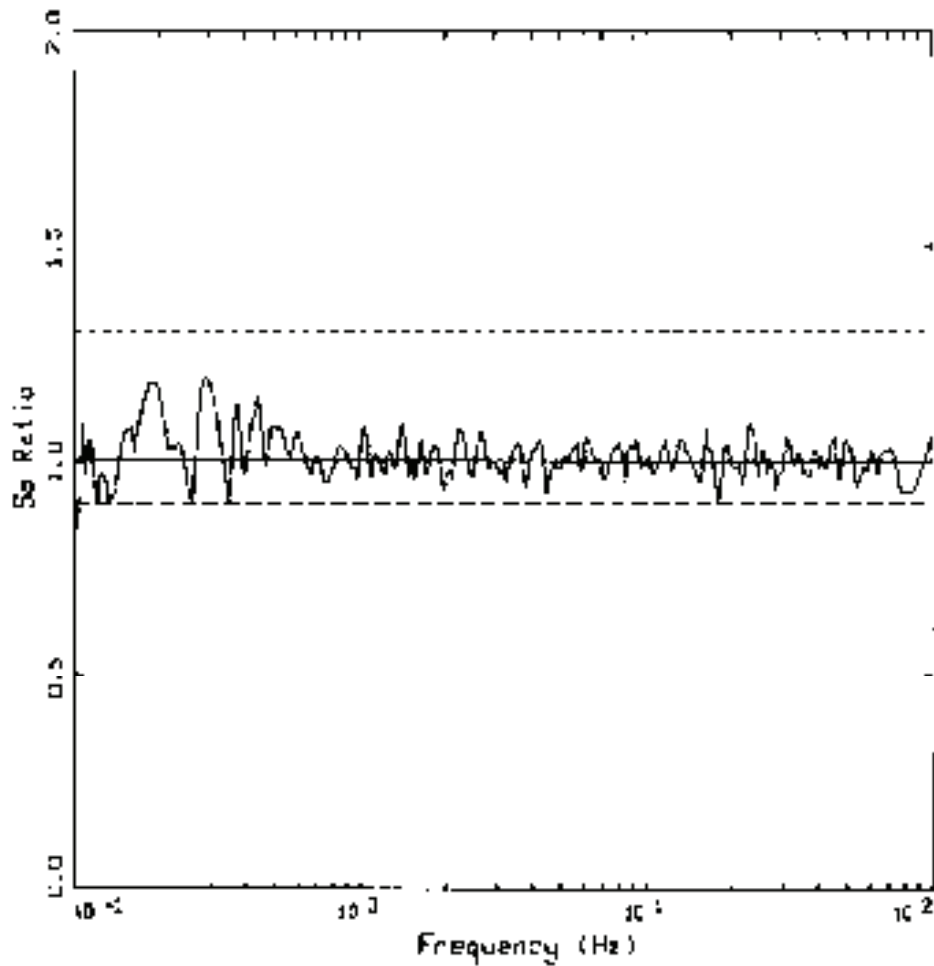


VERTICAL
BASELINE CORRECTED, BRUCE MS.25, R=10KM, SEALS±25

LEGEND
—— TARGET; NGA = 0.426 g
..... 5 % SPECTRAL MATCH; NGA = 0.450 g

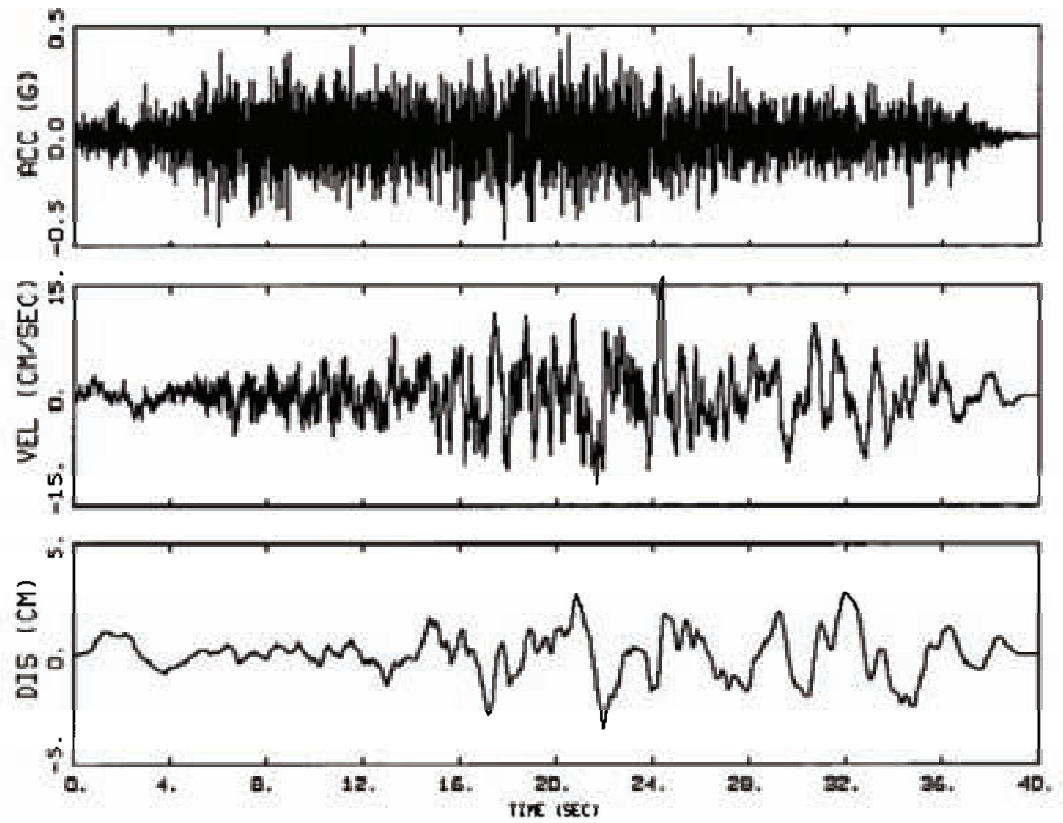


——— JEGDC
 TARGET: PGA = 2.425 g
 - - - - 5 % SPECTRAL MATCH; PGA = 1.450 g

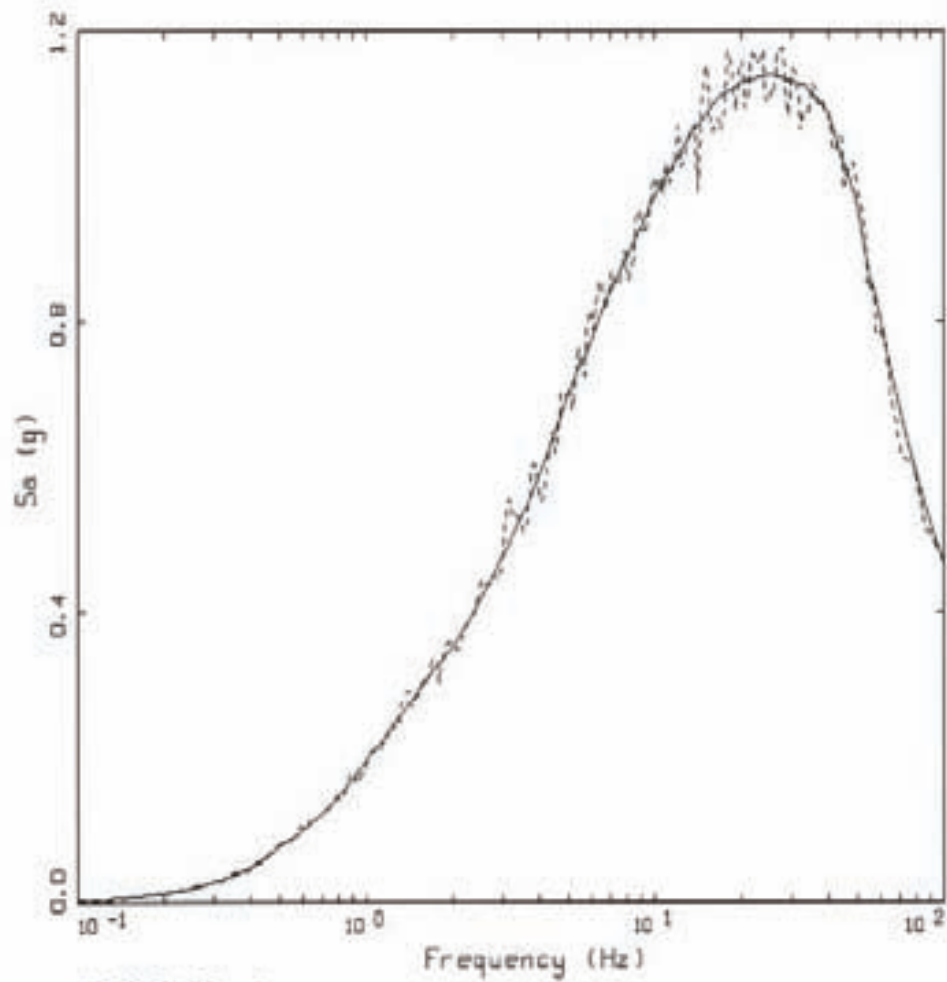


VERTICAL, DRUID MS.25, R=10KM, SCALE485
SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITS
 - UNITS * 1.3
 - UNITS / 1.33

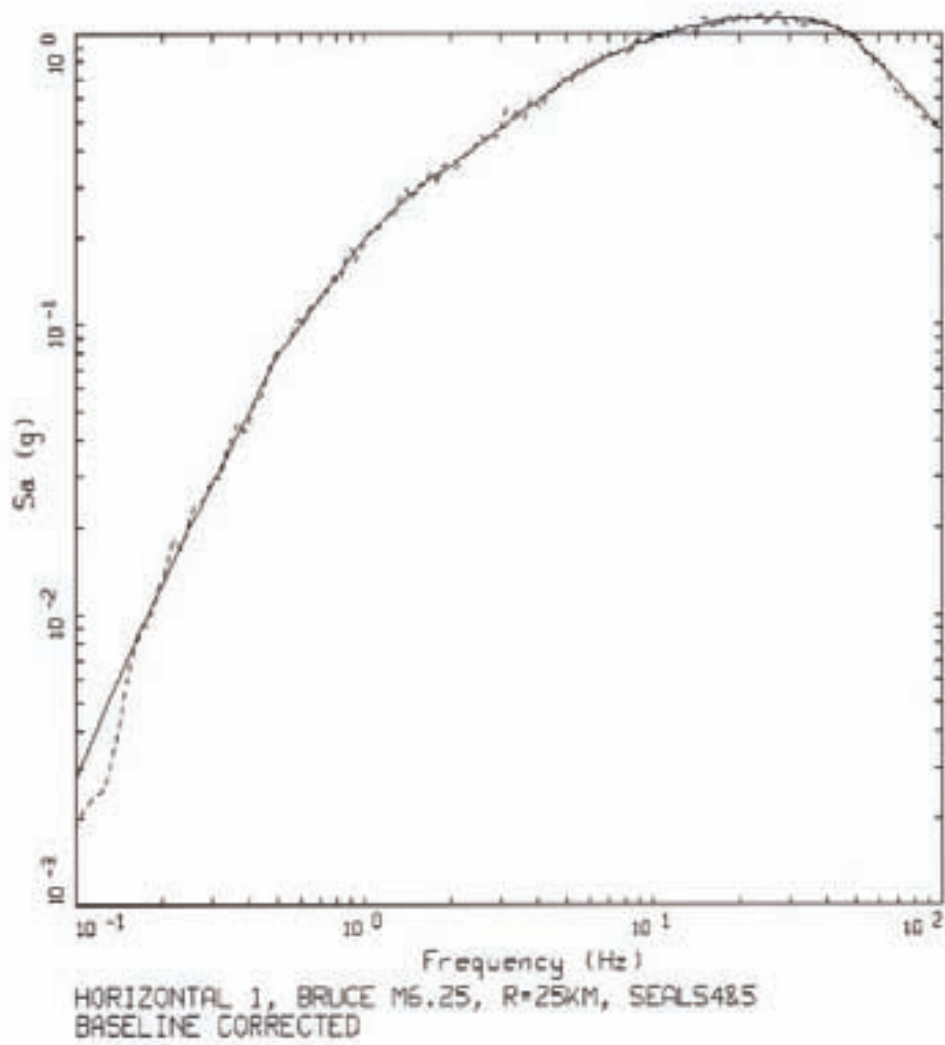


1E-06, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEALS185

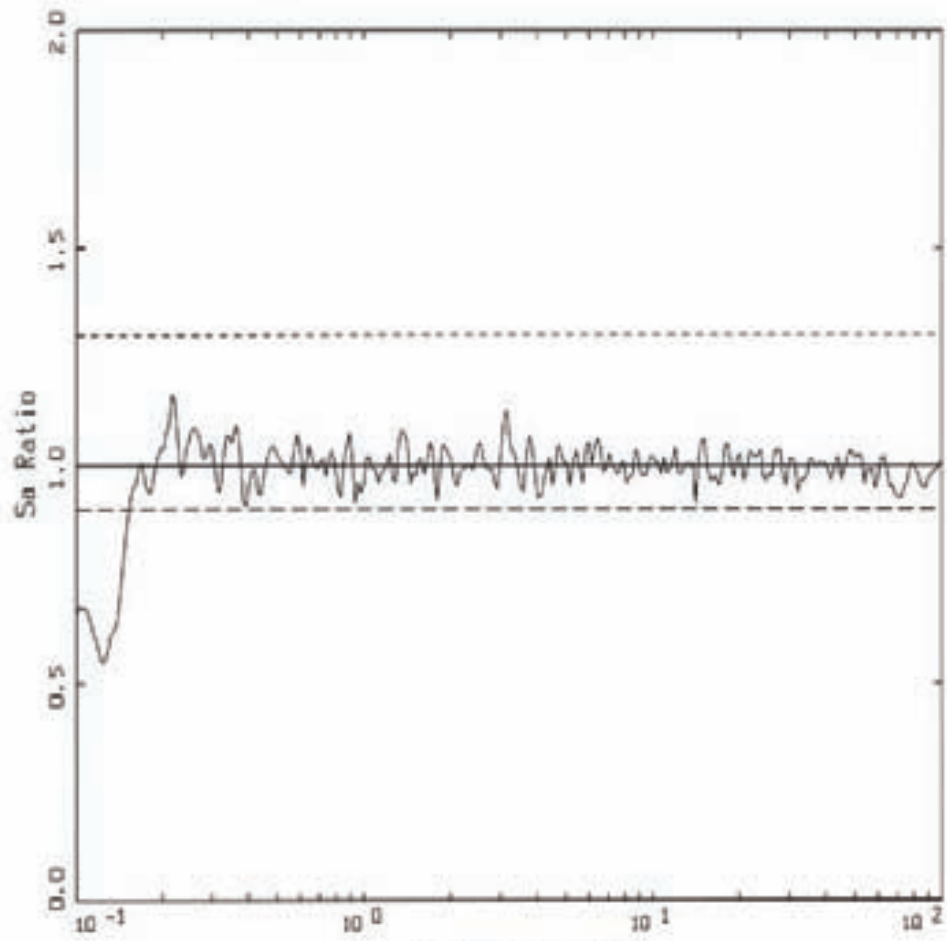


HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEAL5485

LEGEND
 ——— TARGET: PGA = 0.466 g
 - - - - - 5 % DAMPED SPECTRAL RATIO: PGA = 0.471 g

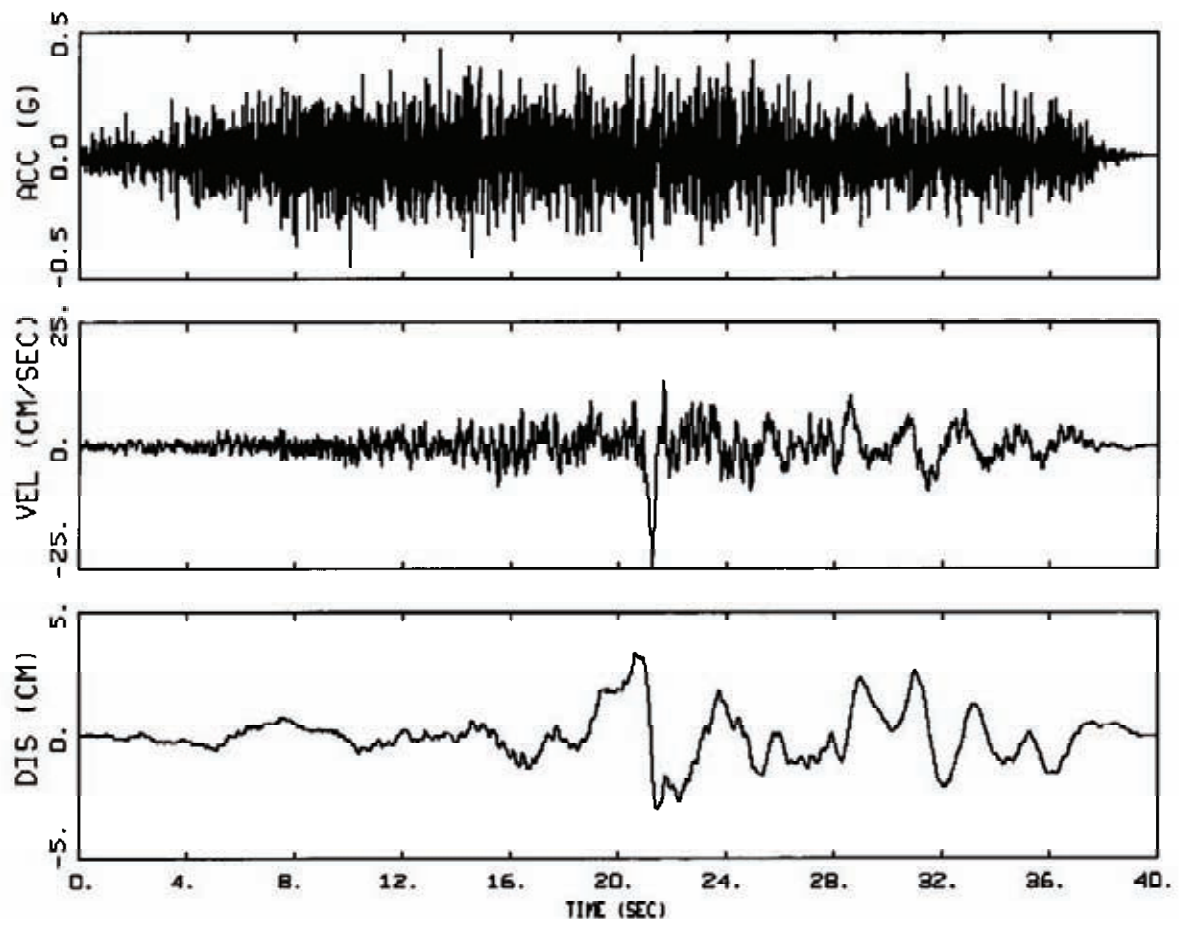


———— LEGEND
 TARGET: PGA = 0.466 g
 - - - - - 5 %, SPECTRAL RATIO: PGA = 0.471 g

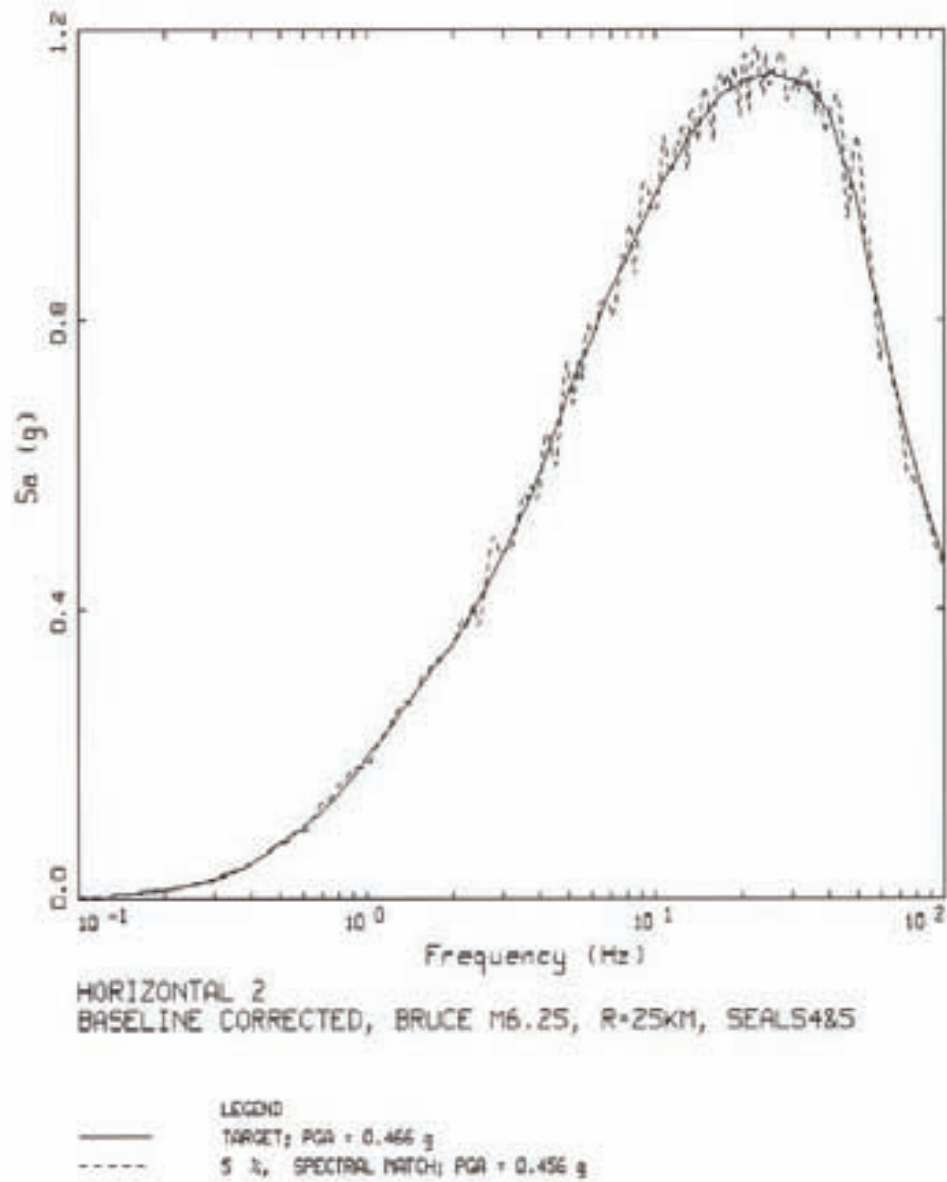


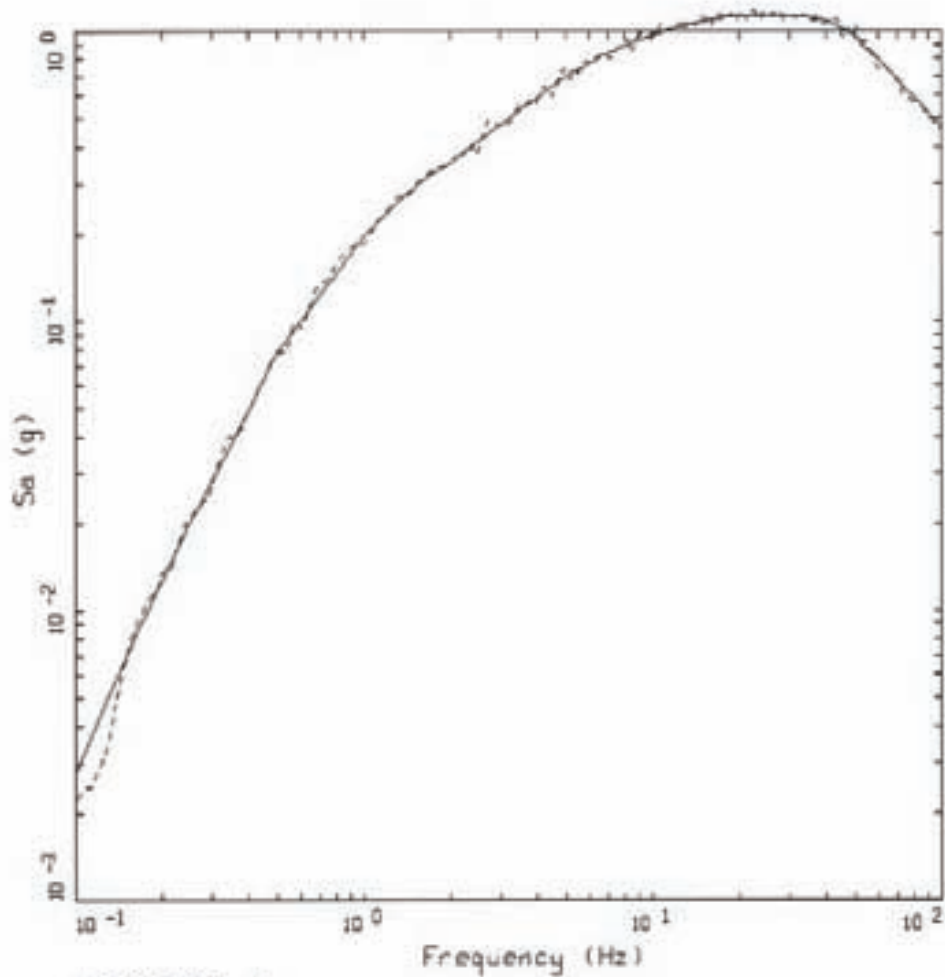
HORIZONTAL 1, BRUCE M6.25, R=25KM, SEALS4&5
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111



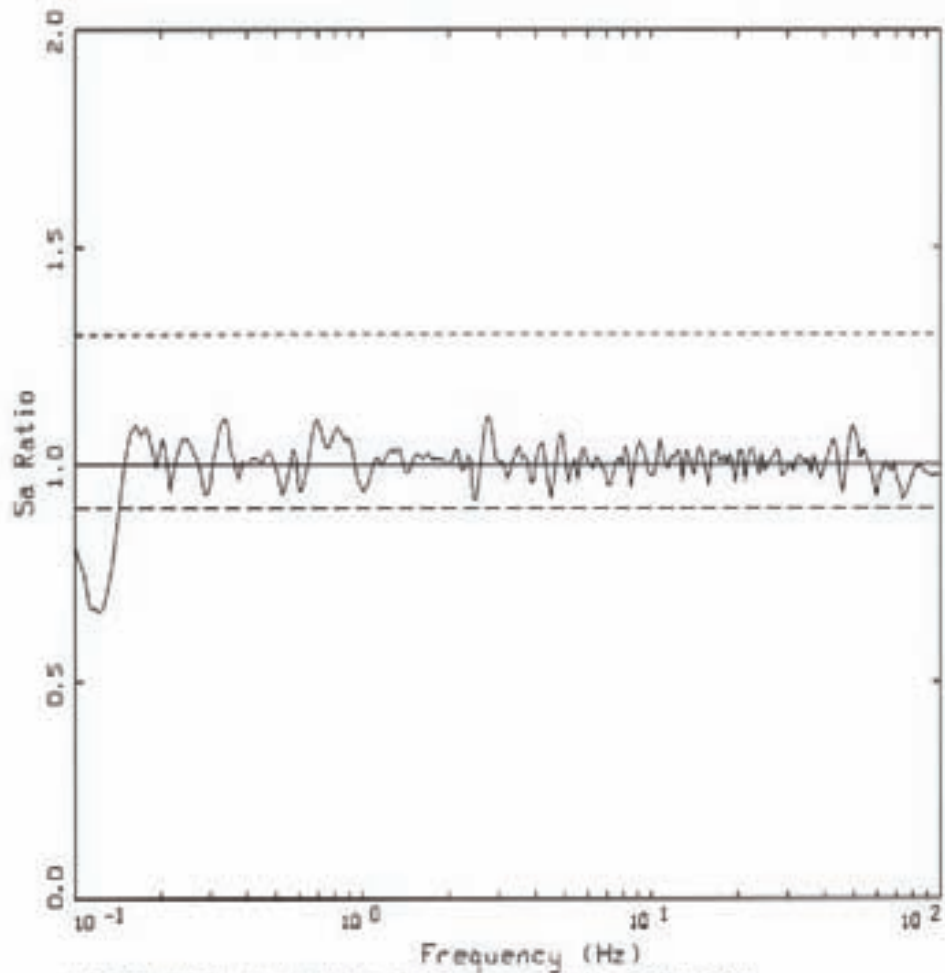
1E-06, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEALS4&5





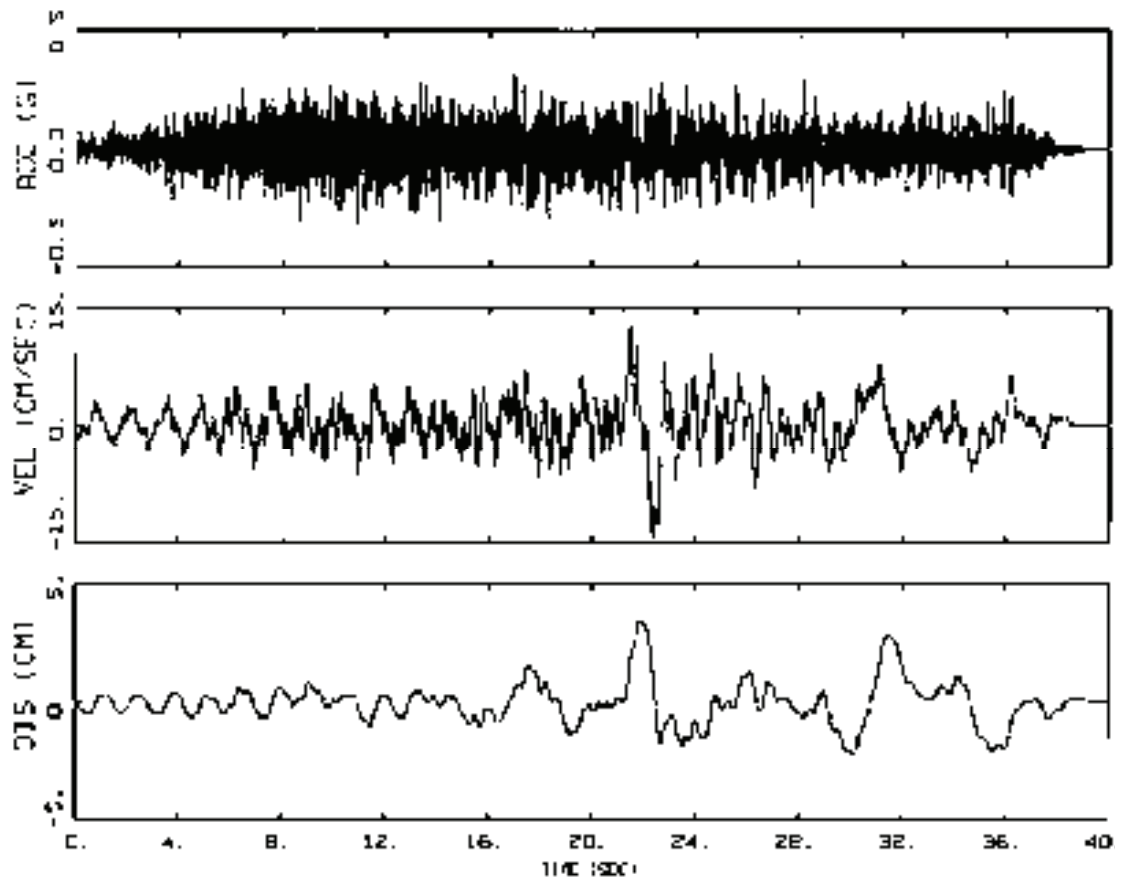
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEALS4&5

LEGEND
 ——— TARGET; PGA = 0.466 g
 - - - - 5 % SPECTRAL RATIO; PGA = 0.456 g

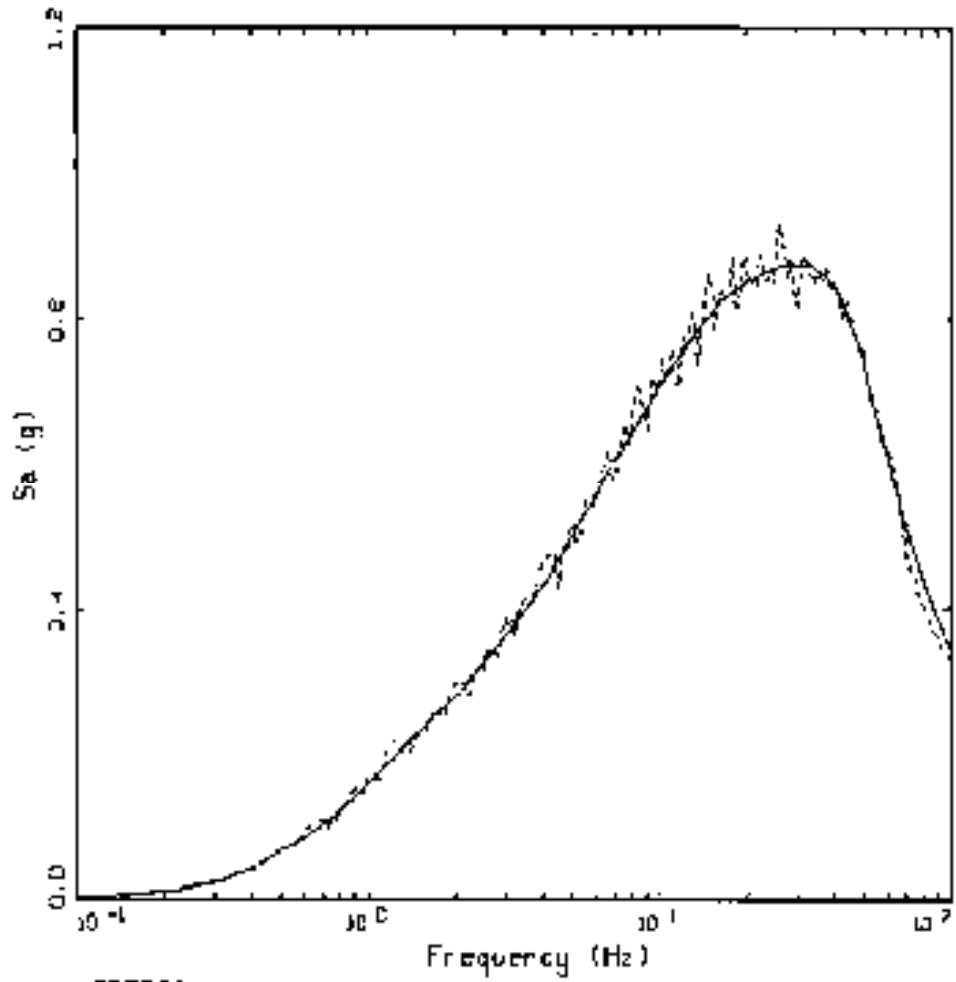


HORIZONTAL 2, BRUCE M6.25, R=25KM, SEALS4&5
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111

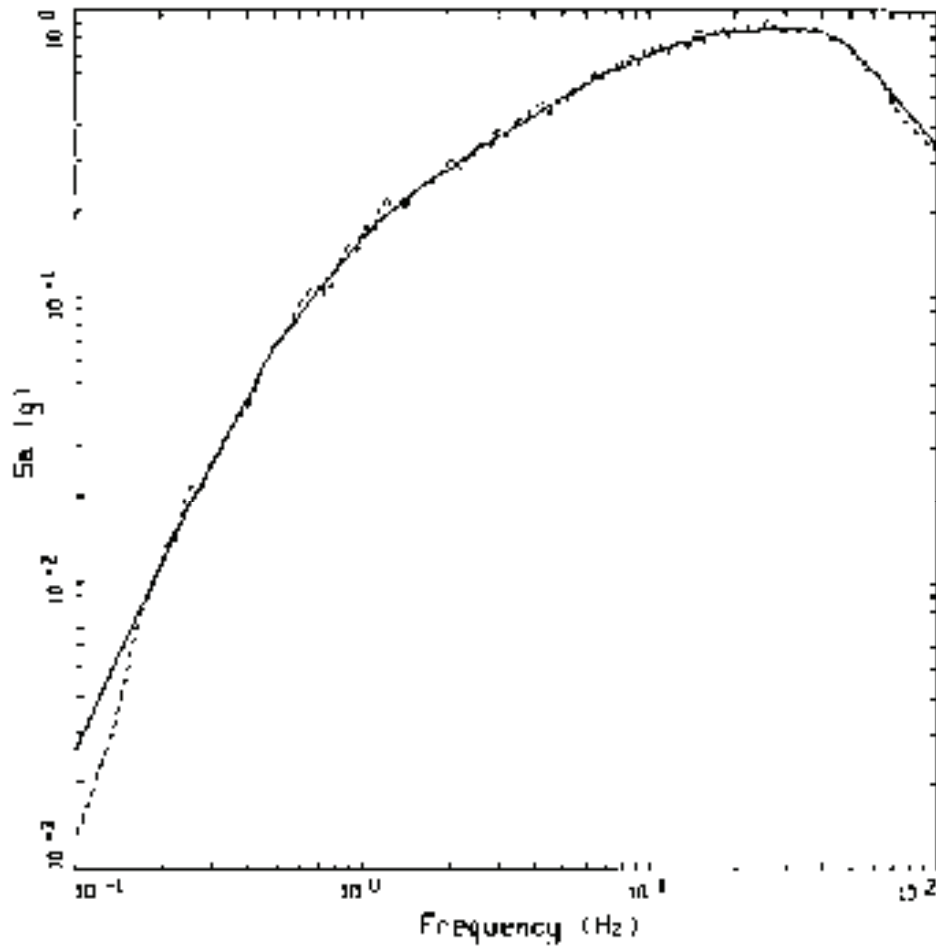


1E-06, VERTICAL
BASELINE CORRECTED, BRUCE M6.25, R=25K⁴, SEALS485



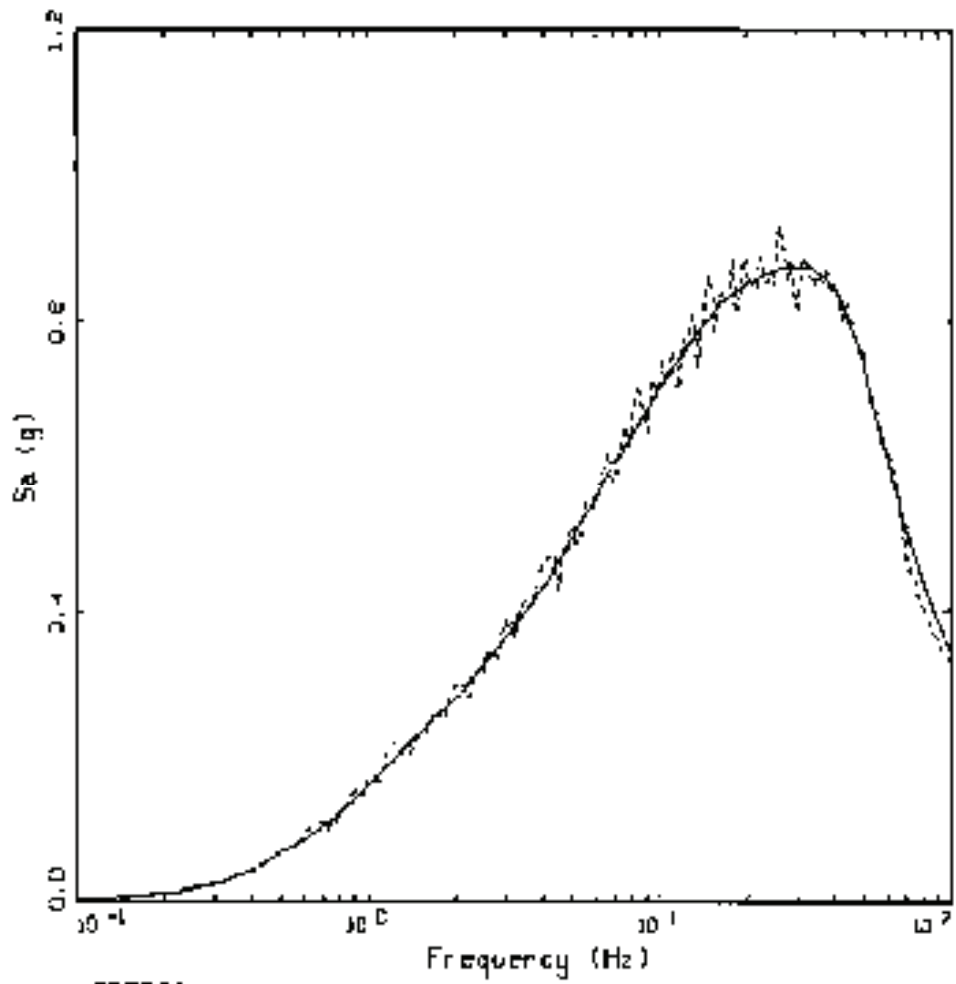
VERTICAL
BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEAL54&5

LEGEND
—— TARGET; PGA = 0.343 g
----- 5 % SPECTRAL MATCH; PGA = 0.321 g



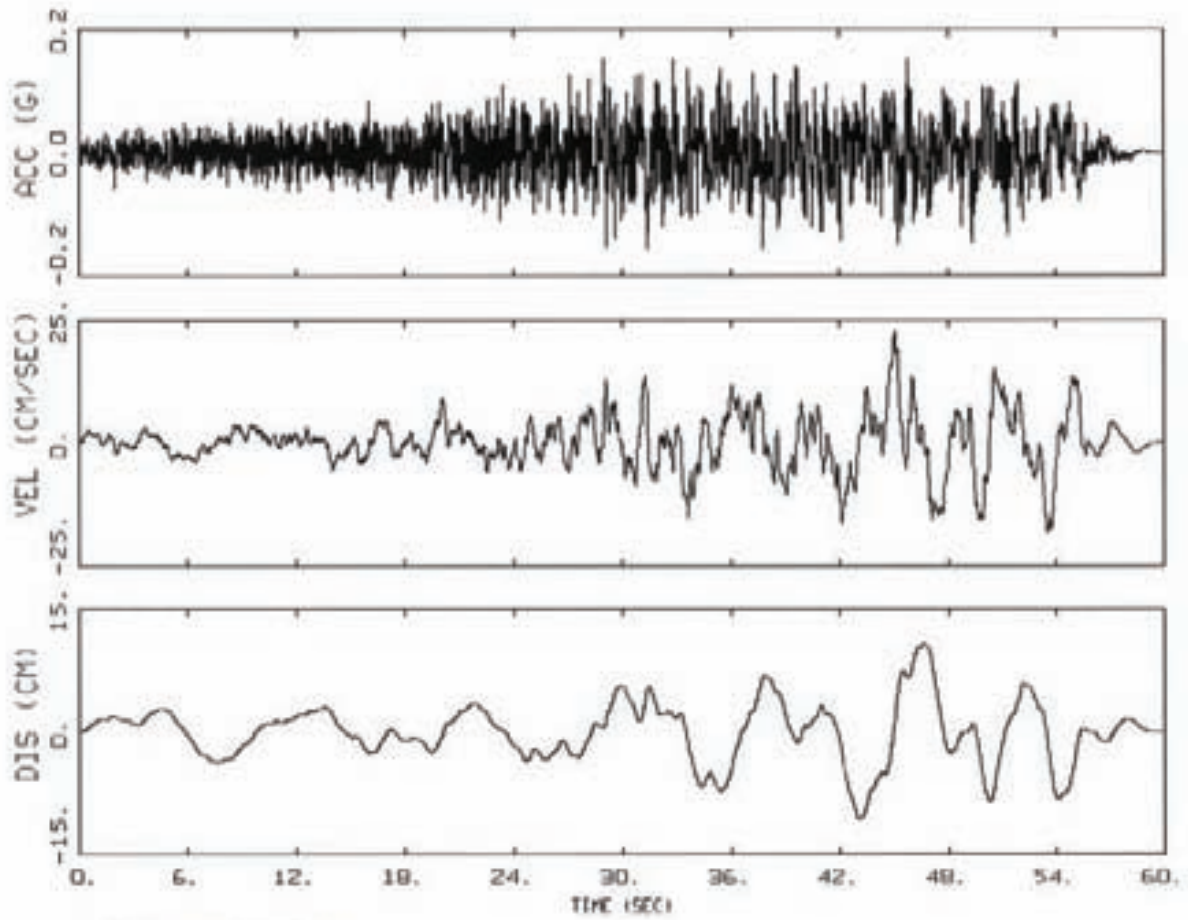
VERTICAL
 BASELINE CORRECTED, BRUCE 16.25, R=25KM, SEAL5485

LEGEND
 ——— TARGET: PGA = 0.343 g
 - - - - 5 % SPECTRAL MATCH: PGA = 0.321 g

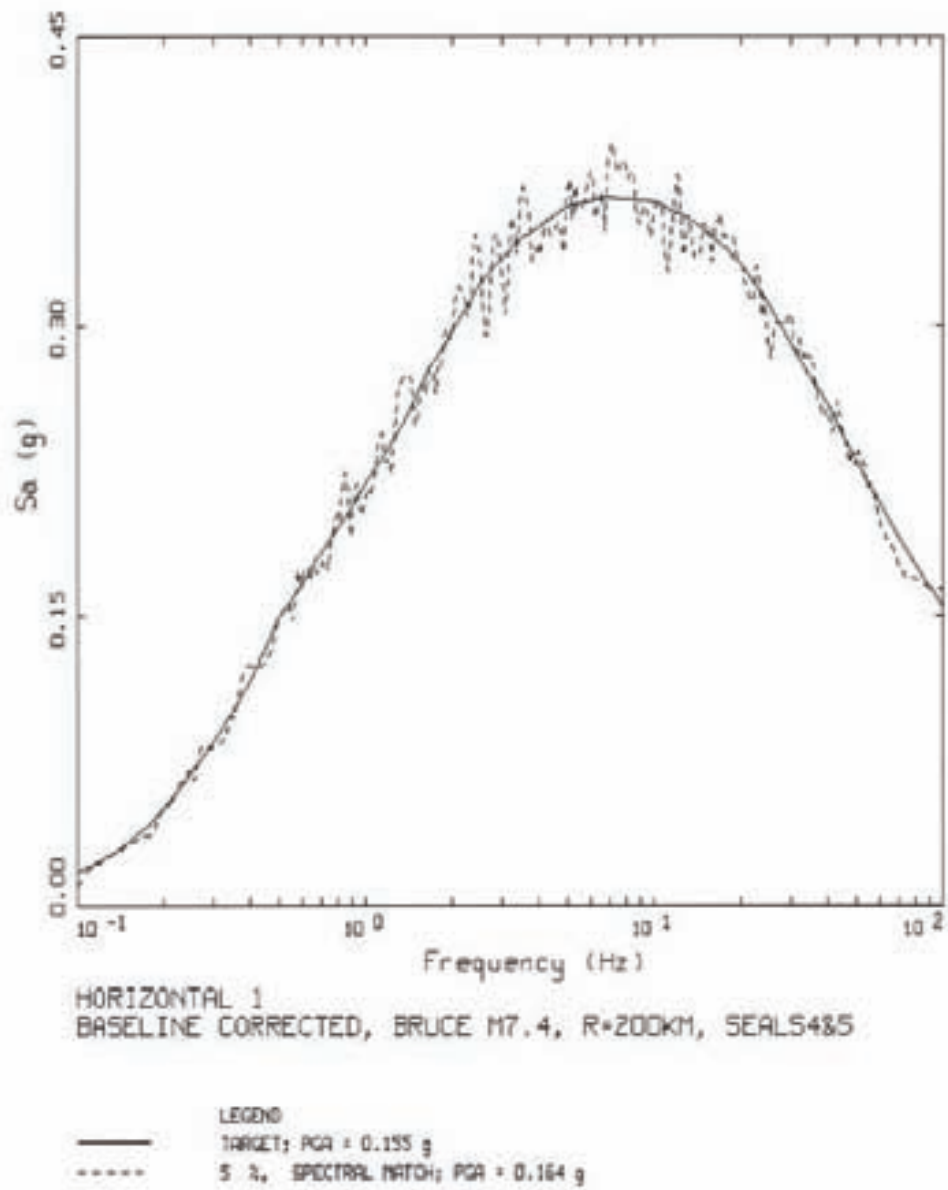


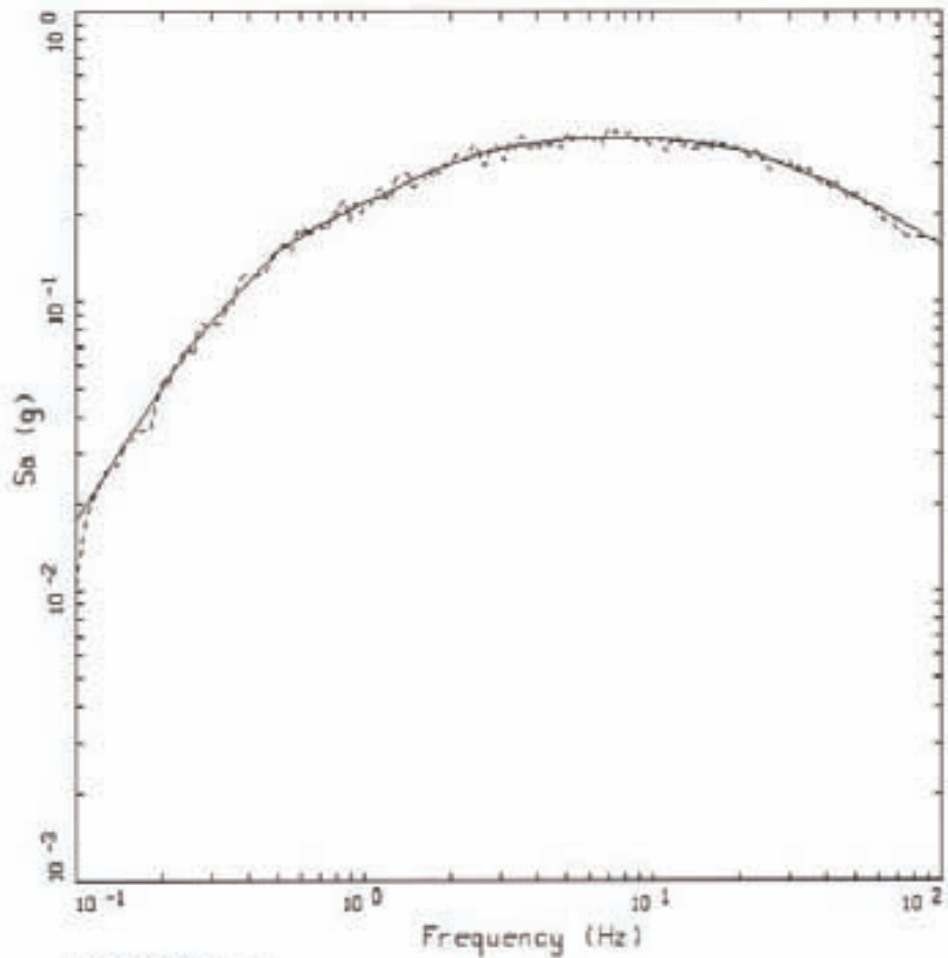
VERTICAL
 BASELINE CORRECTED, BRUCE M6.25, R=25KM, 55AL54&5

LEGEND
 ——— TARGET; PGA = 0.343 g
 - - - - - 5 % SPECTRAL MATCH; PGA = 0.321 g



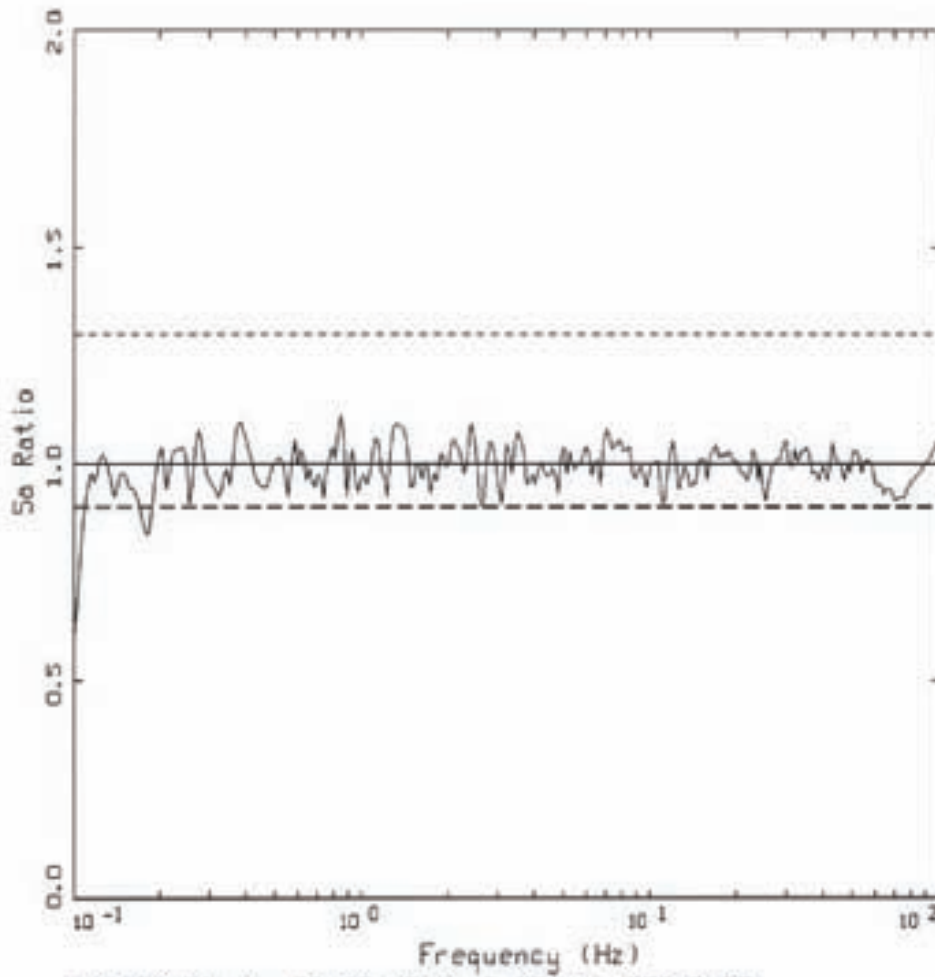
1E-06, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEALS485



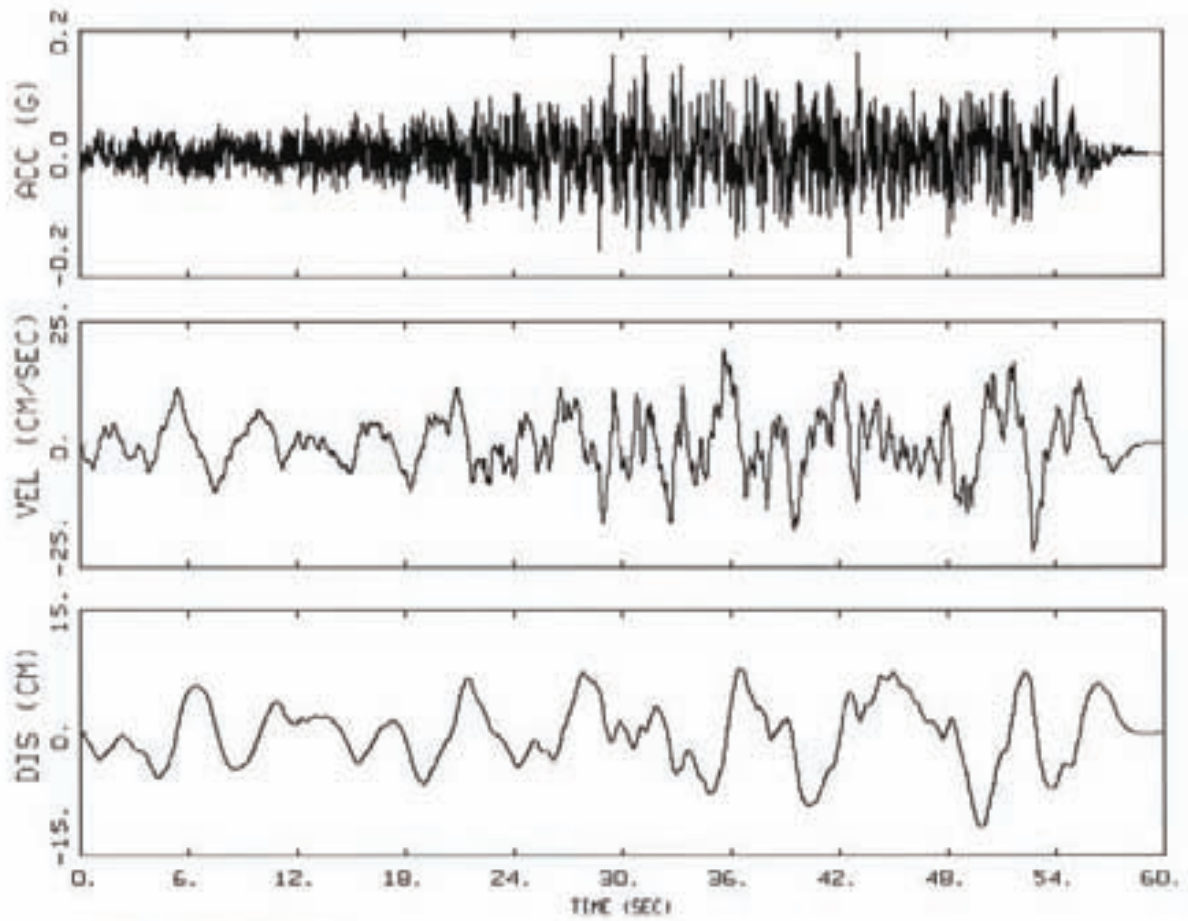


HORIZONTAL 1
BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEALS485

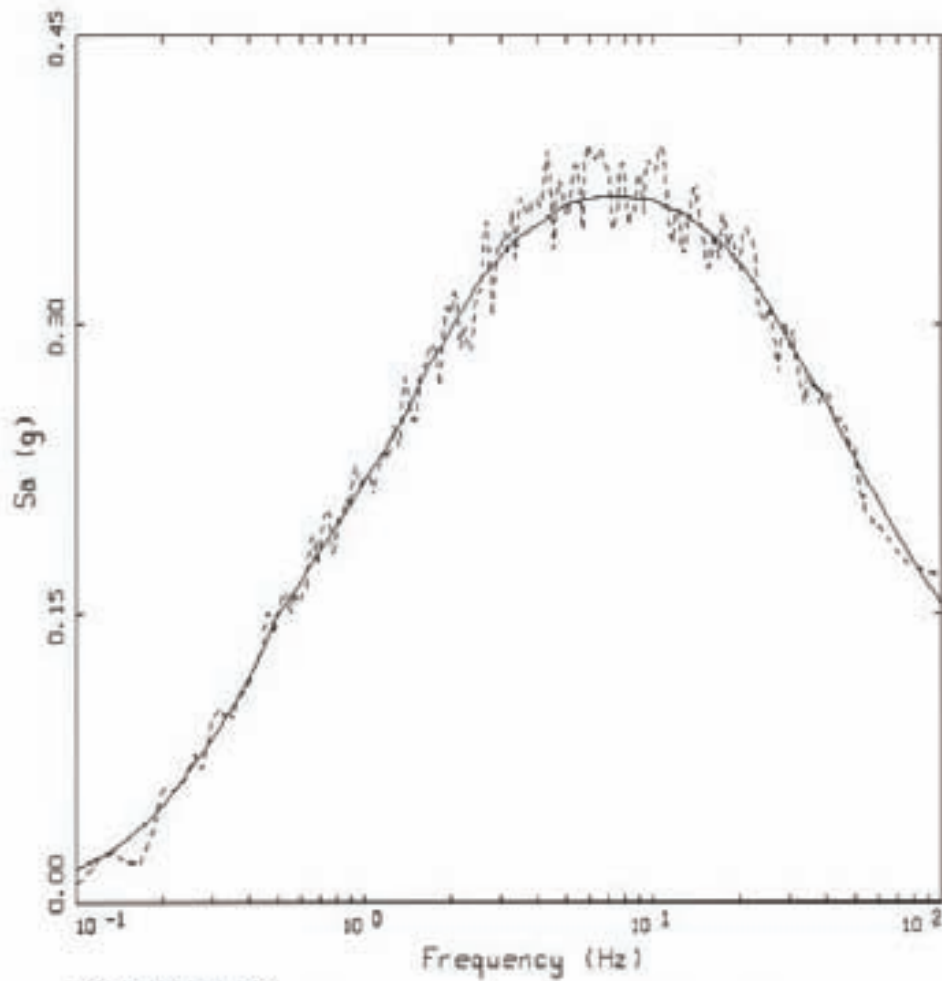
LEGEND
—— TARGET; PGA = 0.155 g
- - - - S 2, SPECTRAL MATCH; PGA = 0.164 g



- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111

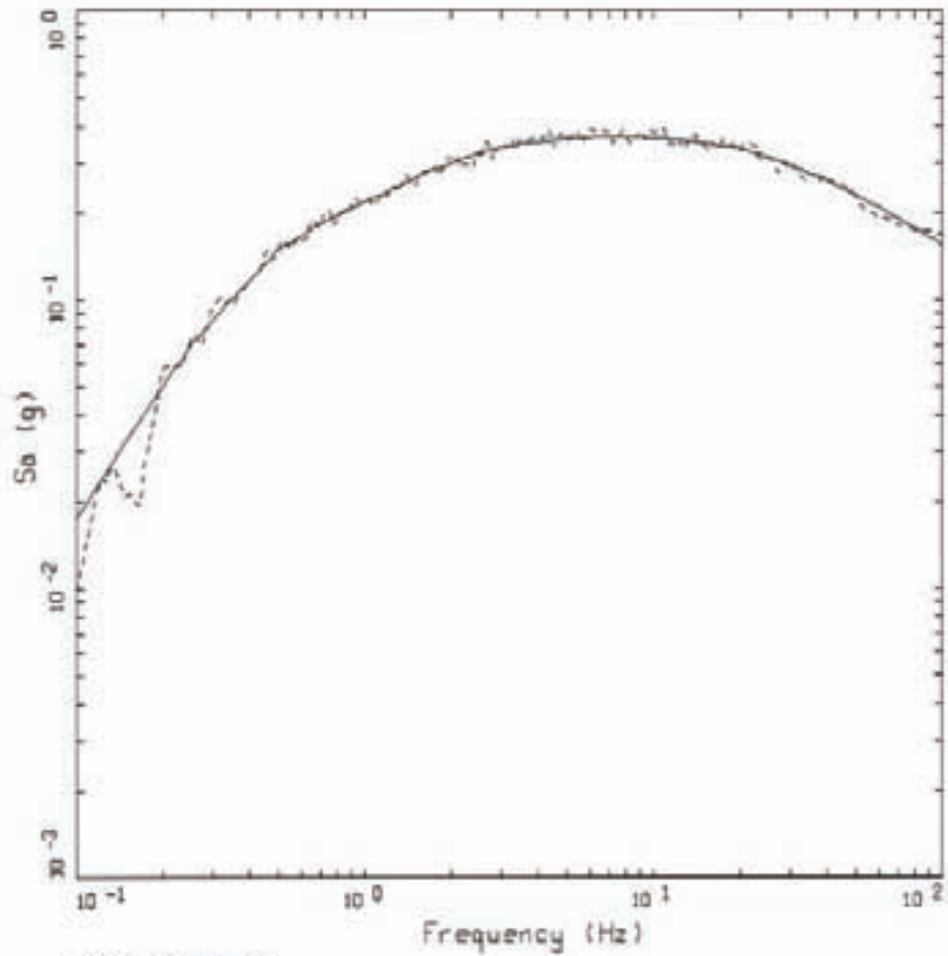


1E-06, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEALS485



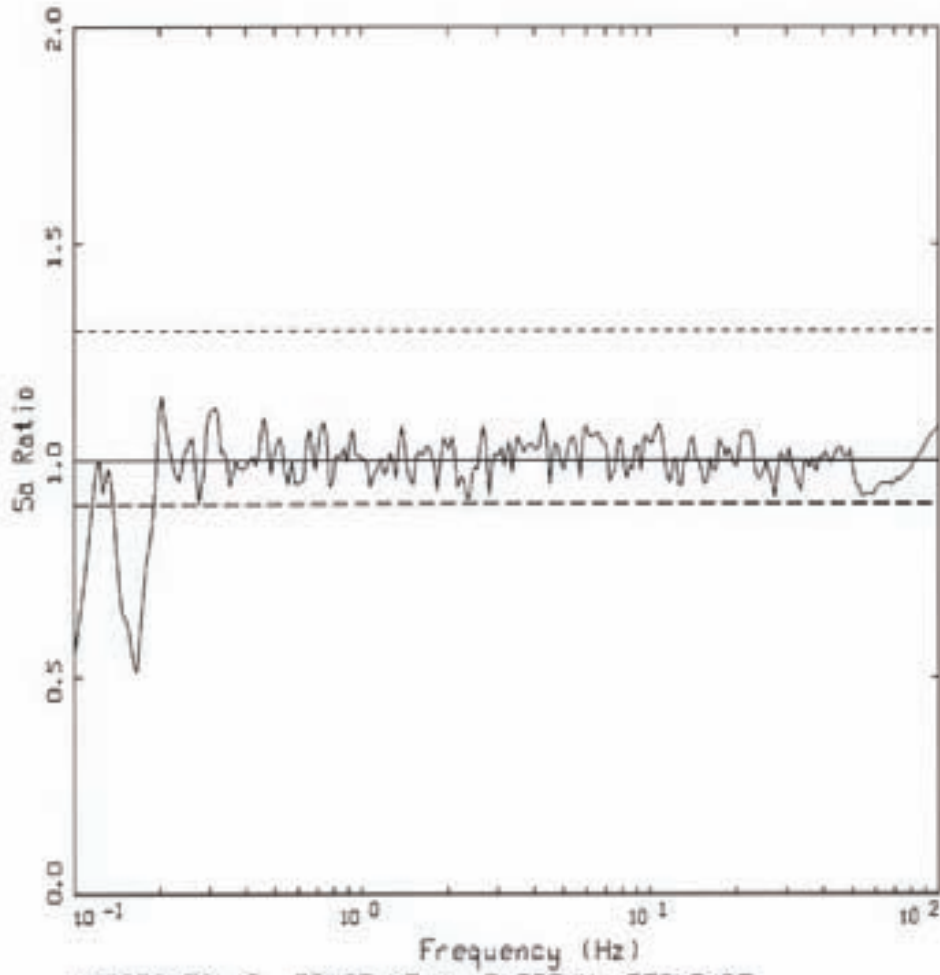
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEALS4&5

LEGEND
 ——— TARGET: PGA = 0.155 g
 - - - - - S 2, SPECTRAL MATCH; PGA = 0.168 g



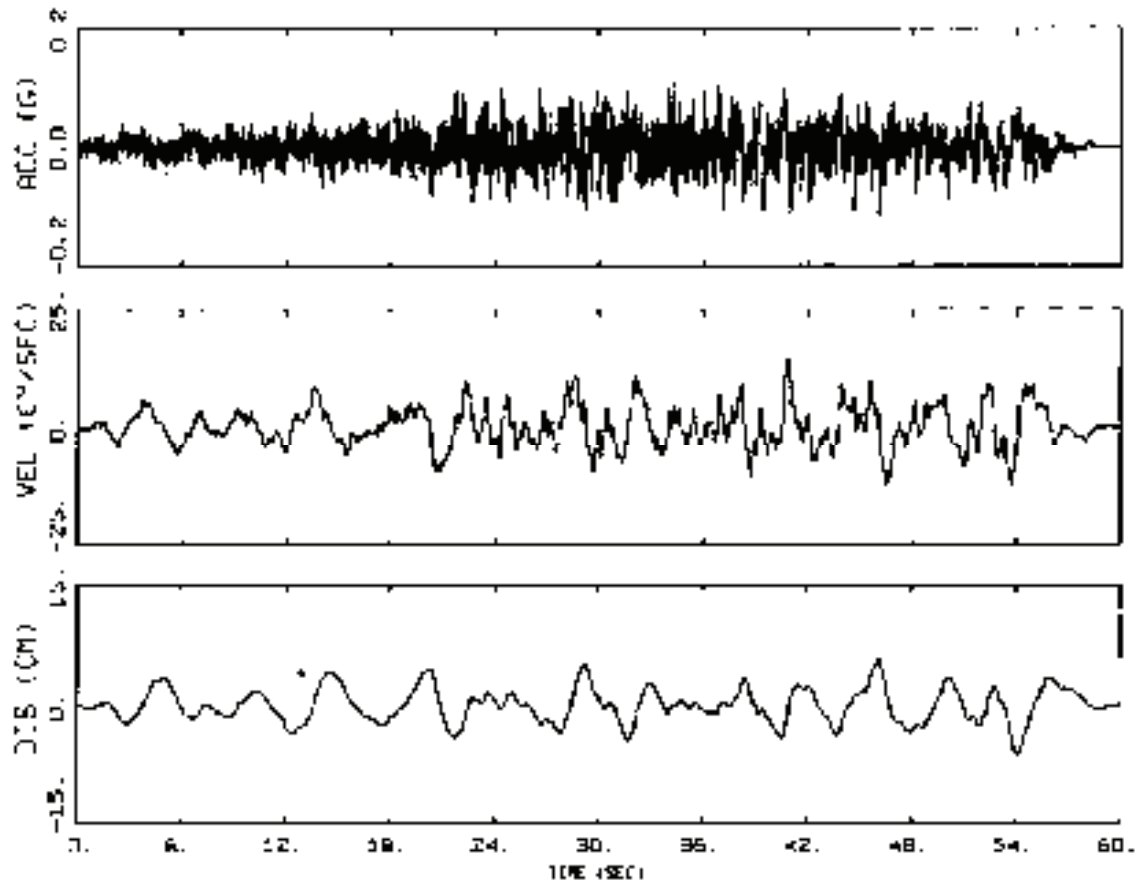
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEALS4&5

LEGEND
 ——— TARGET: PGA = 0.155 g
 - - - - - S 2, SPECTRAL NOTCH; PGA = 0.188 g

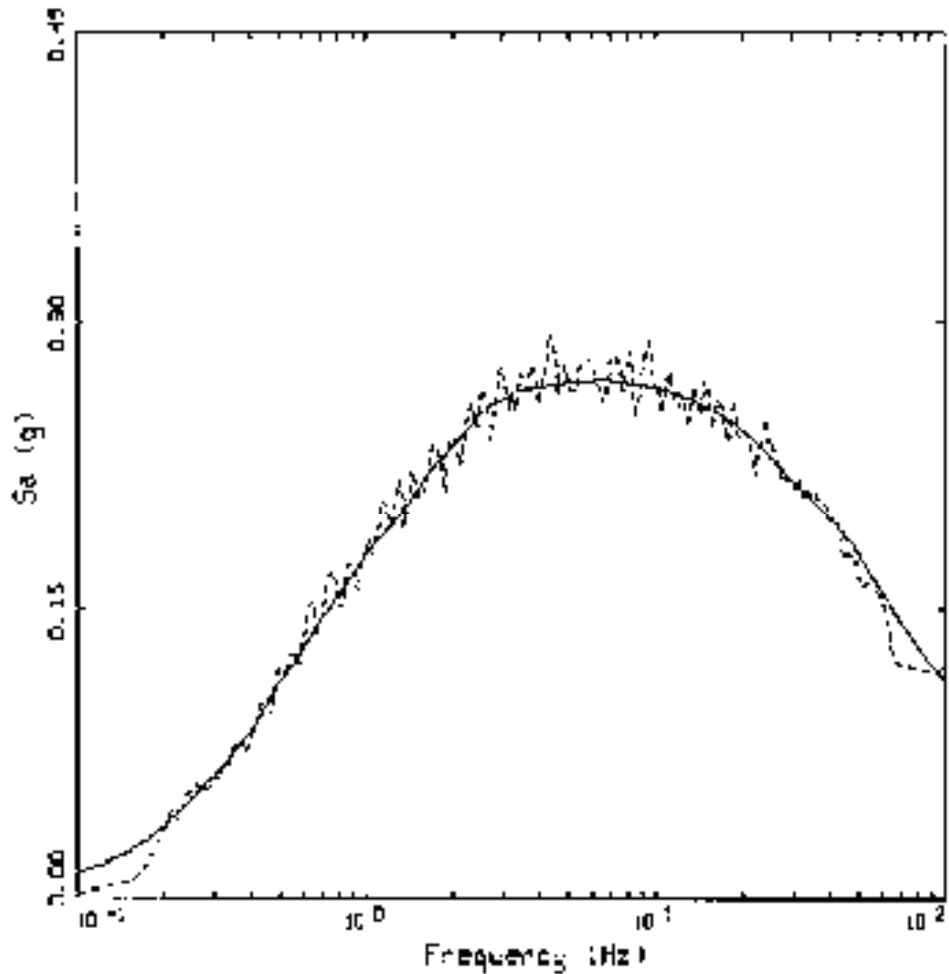


HORIZONTAL Z, BRUCE M7.4, R=200KM, SEALS4&5
SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY * 1.3
 - - - UNITY / 1.111

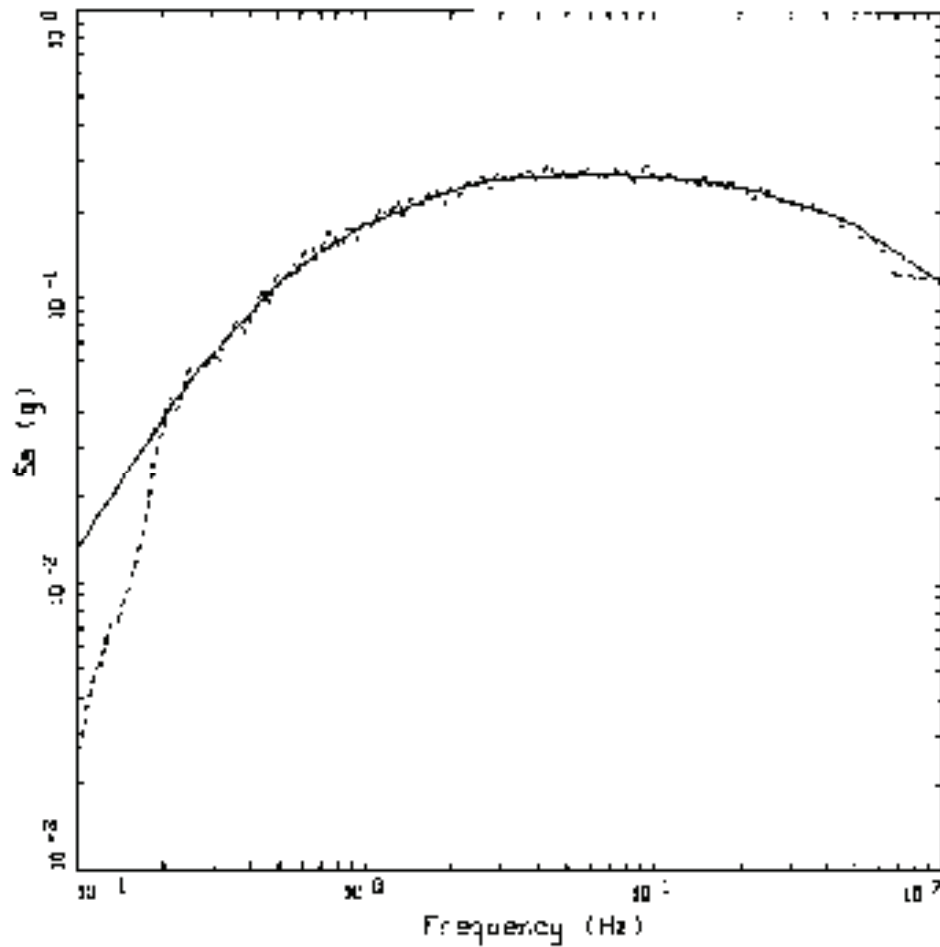


1E-06, VERTICAL
BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEALS185



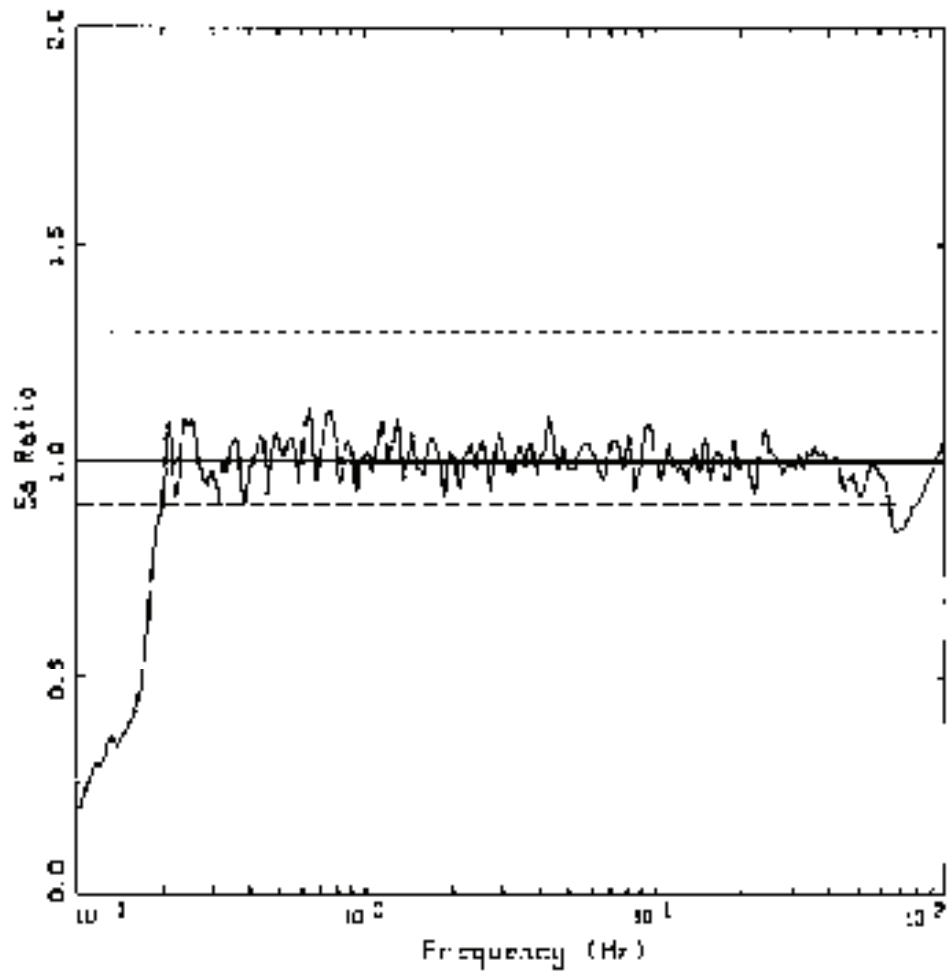
VERTICAL, BRUCE M7.4, R=200KM, SFAL5483
 BASELINE CORRECTED

LEGEND
 ——— TARGET; PGA = 0.113 g
 S 3, SPECTRAL MATCH; PGA = 0.118 g



VERTICAL, BRUCE 17.4, R=210KM, SERIALS4&5
 BASELINE CORRECTED

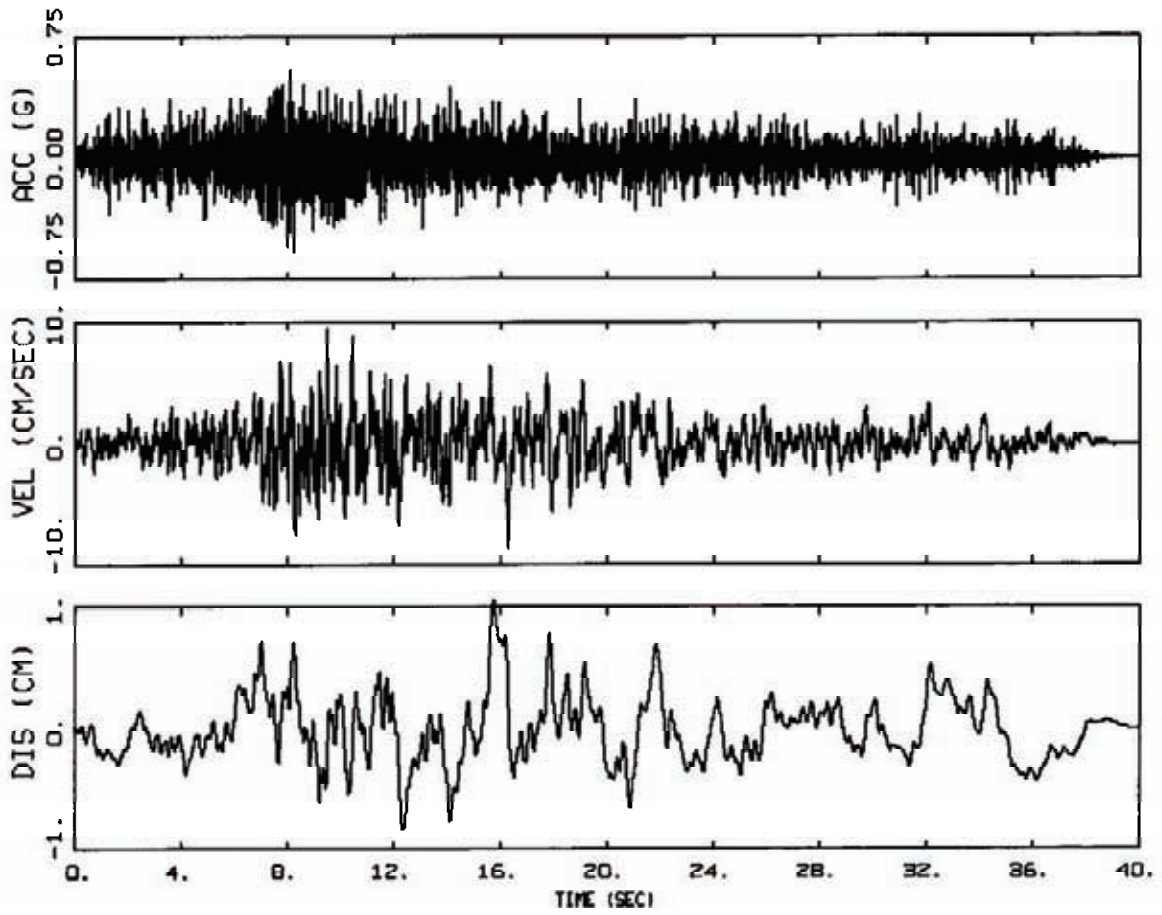
LEGEND
 ——— TARGET) PGA = 0.513 g
 - - - - S 2.0 SPECTRAL MATCH) PGA = 0.519 g



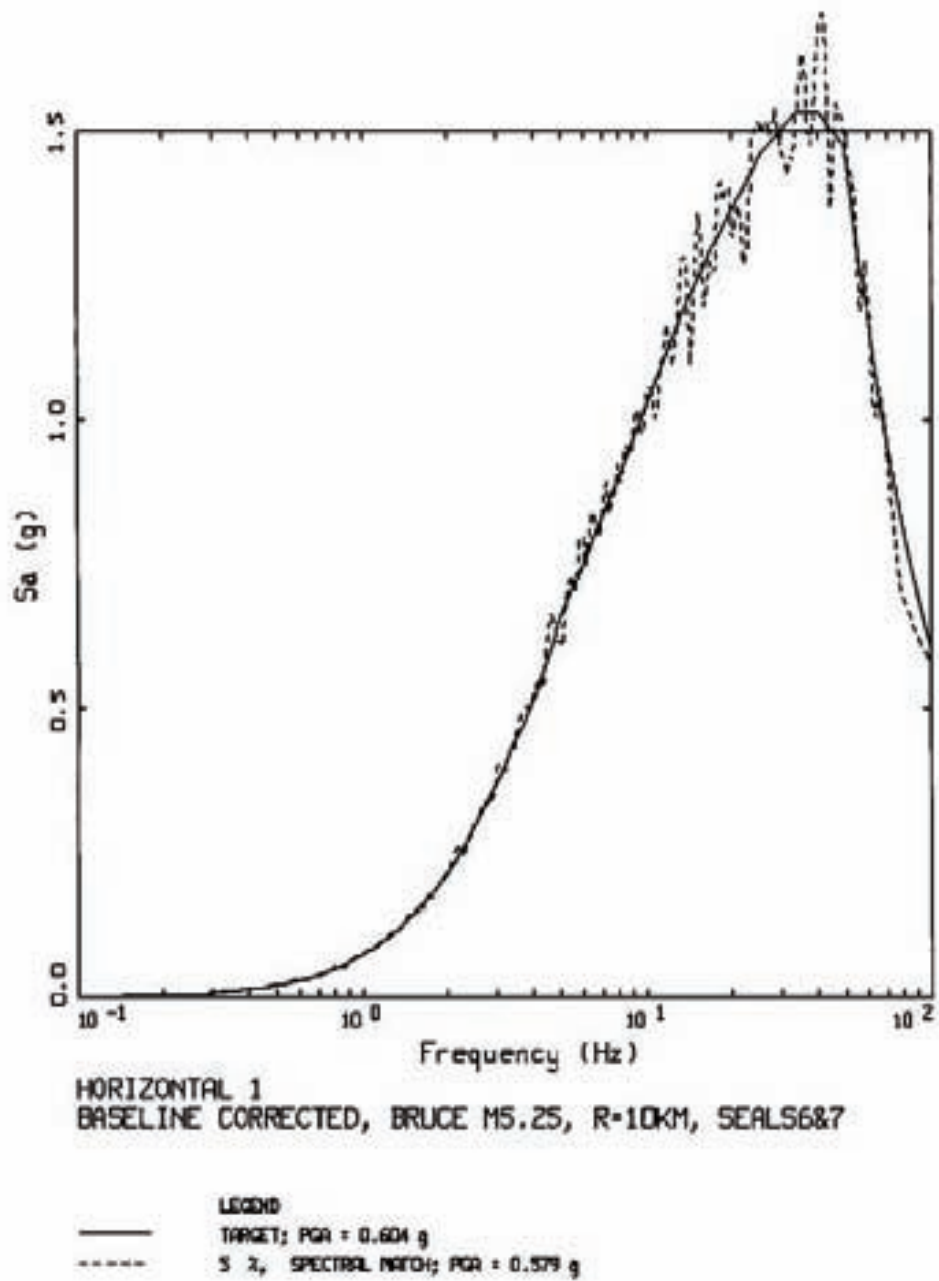
VERTICAL, BRUCE M7.4, R=200KM, SEALS4&5
 SPECTRAL RATIO: MATCH/TARGET

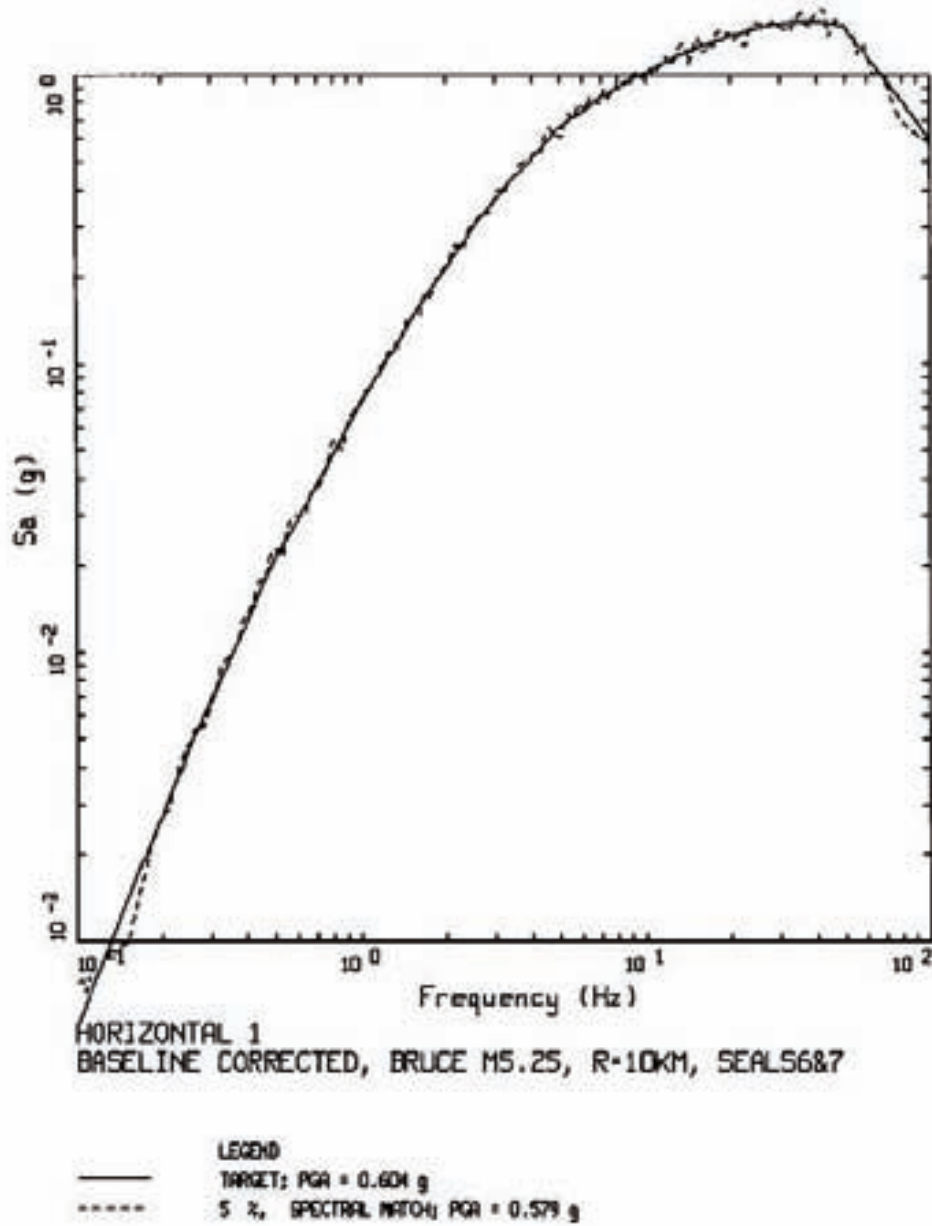
- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - .-.-.- UNITY / 1.111

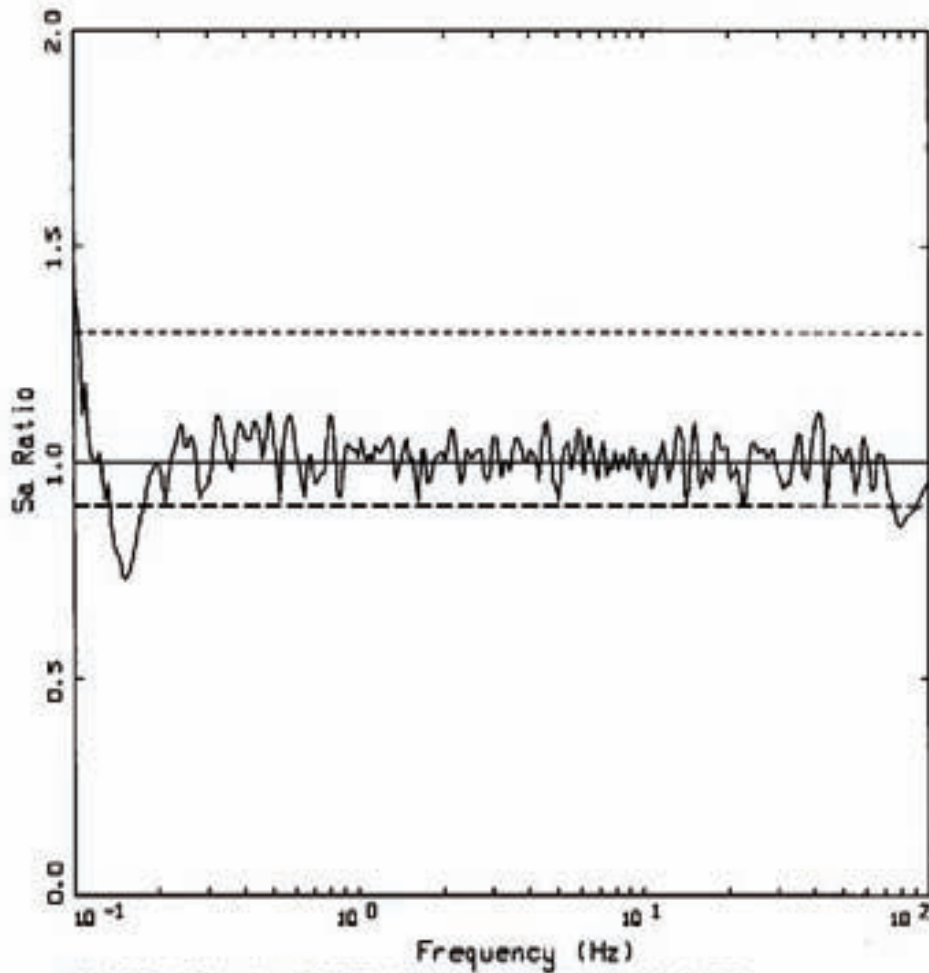
Figure B9. Acceleration, velocity, displacement time histories, spectral match (linear and log S_a axes), and ratios of target design spectrum to match spectrum, Horizontal (H1 and H2) and vertical components for all three design spectra: Seals 6 and 7, AEF 10^{-6} .



1E-06, HORIZONTAL 1
BASELINE CORRECTED, BRUCE MS.25, R=10KM, SEALS6&7

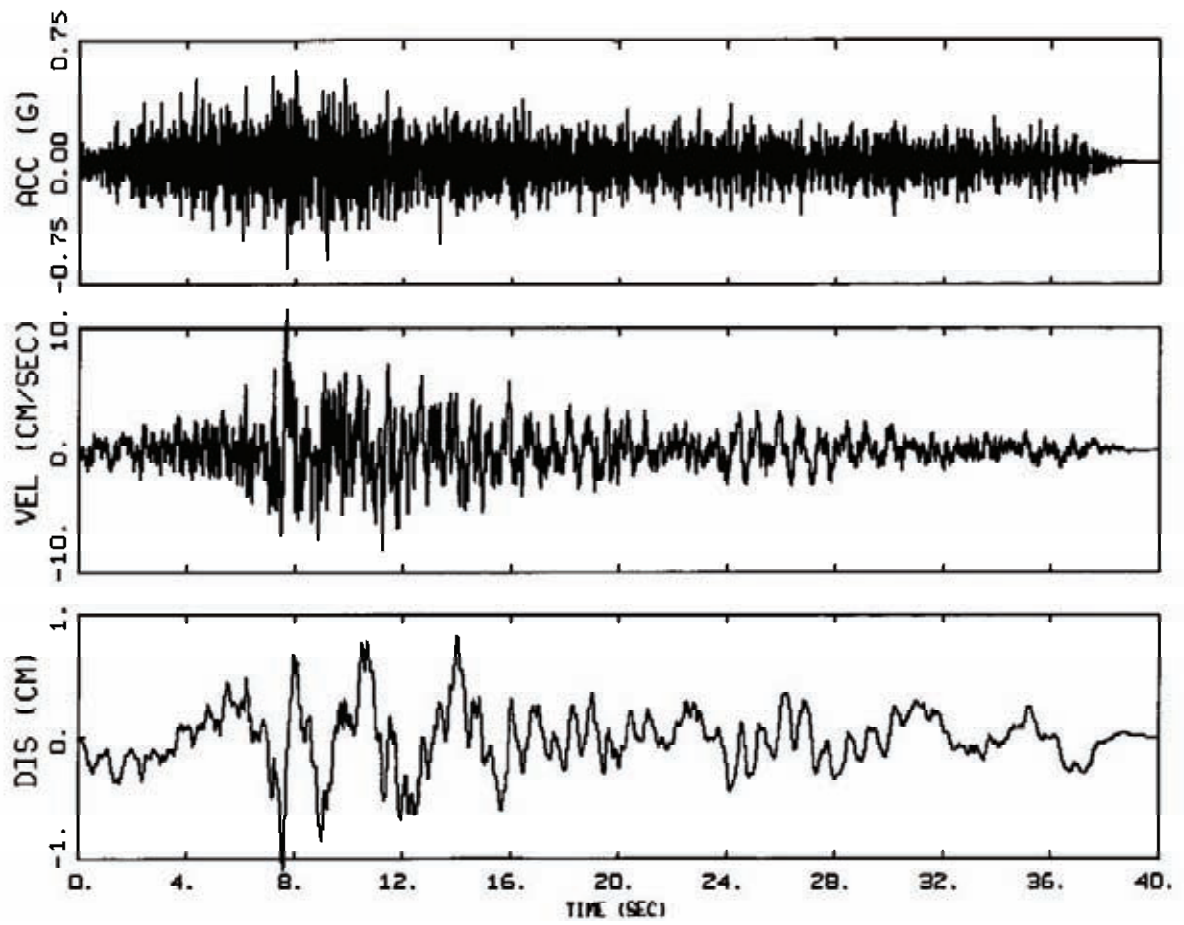




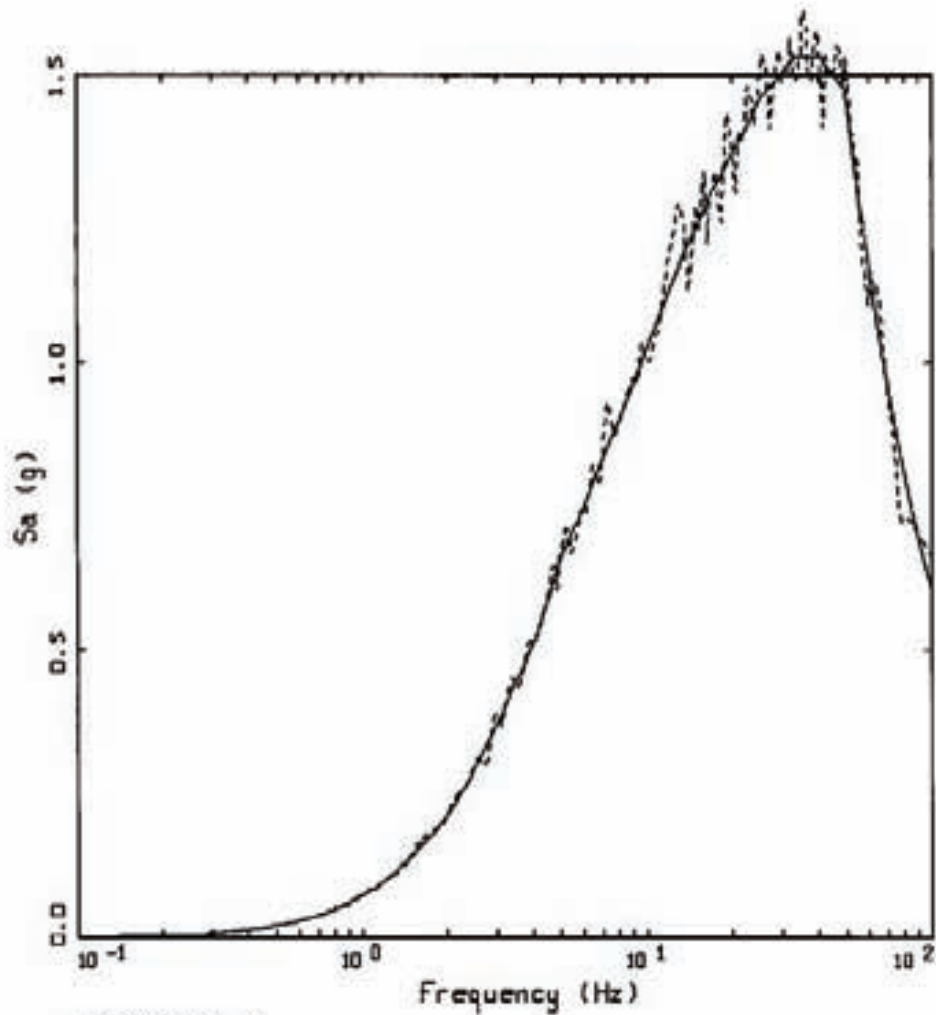


HORIZONTAL 1, BRUCE MS.25, R=10KM, SEALS6&7
 SPECTRAL RATIO: MATCH/TARGET

LEGEND
 ——— SA RATIO: MATCH/TARGET
 ——— UNITY
 - - - - - UNITY + 1.3
 - - - - - UNITY / 1.111

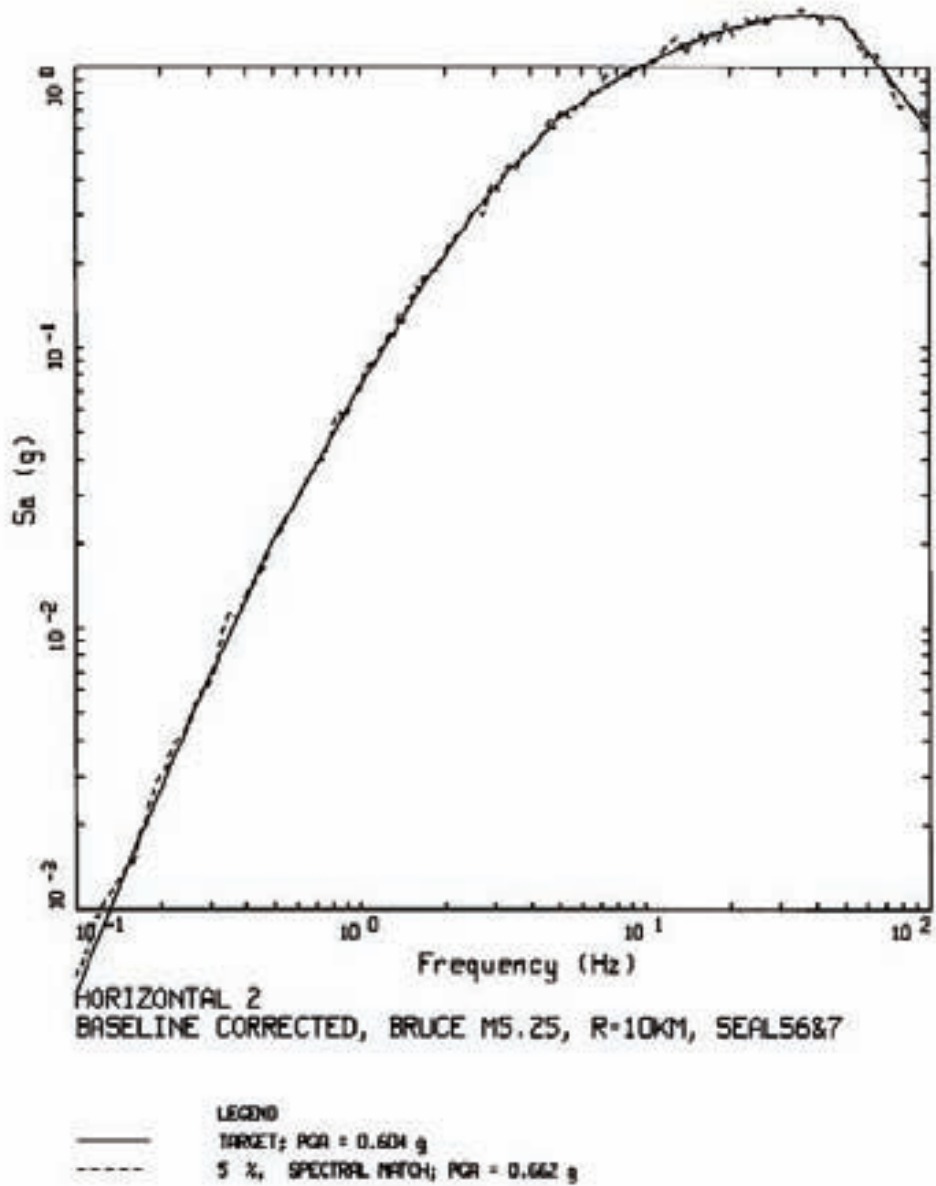


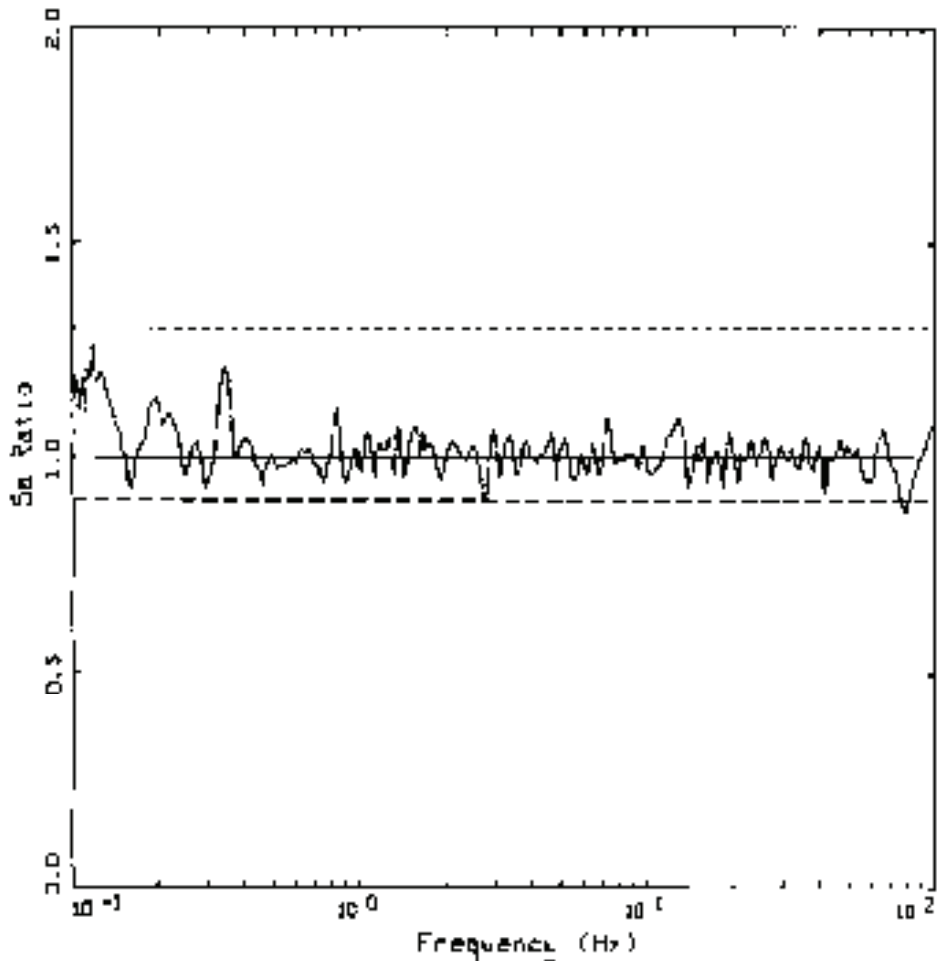
1E-06, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M5.25, R=10KM, SEALS6&7



HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M5.25, R=10KM, SEALS6&7

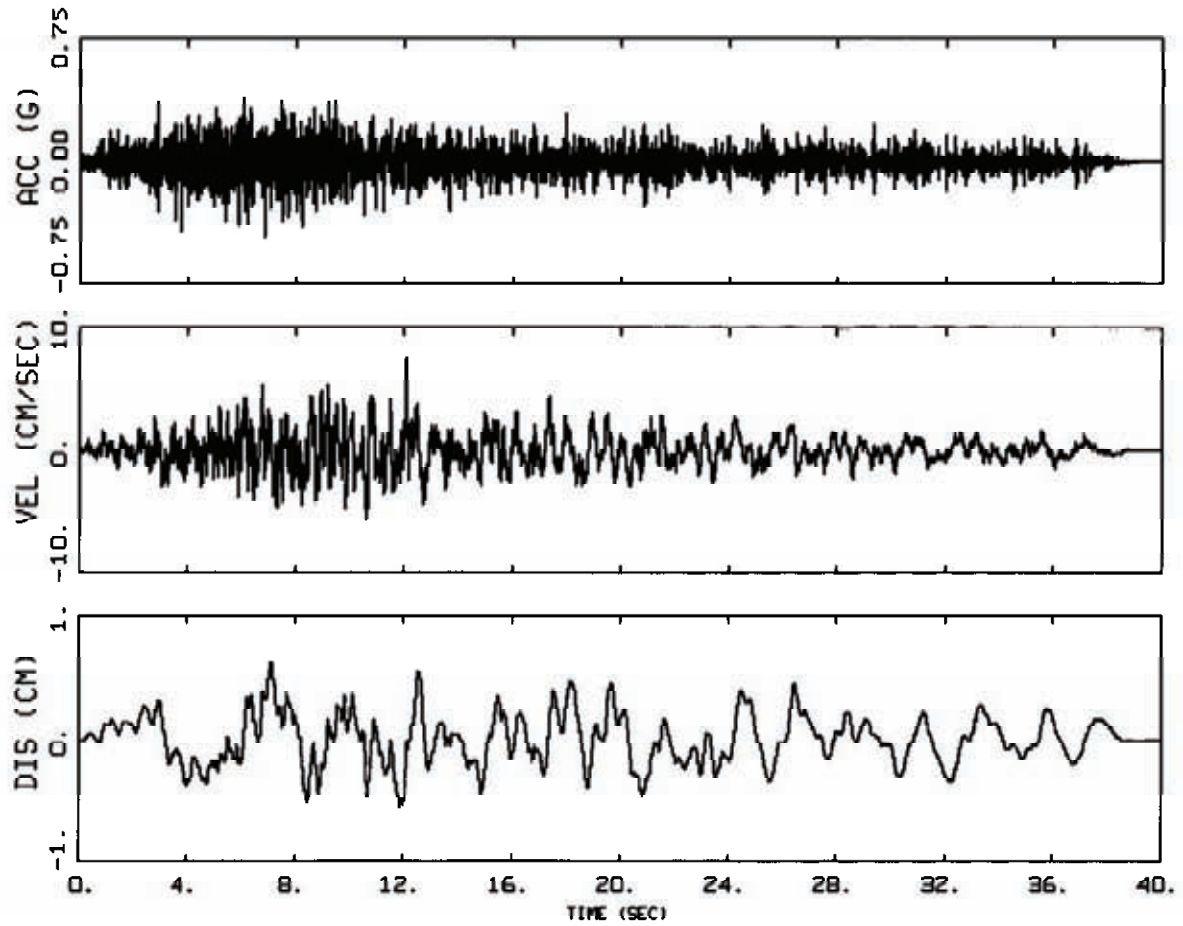
LEGEND
 ——— TARGET; PGA = 0.604 g
 - - - - - S 2, SPECTRAL MATCH; PGA = 0.662 g



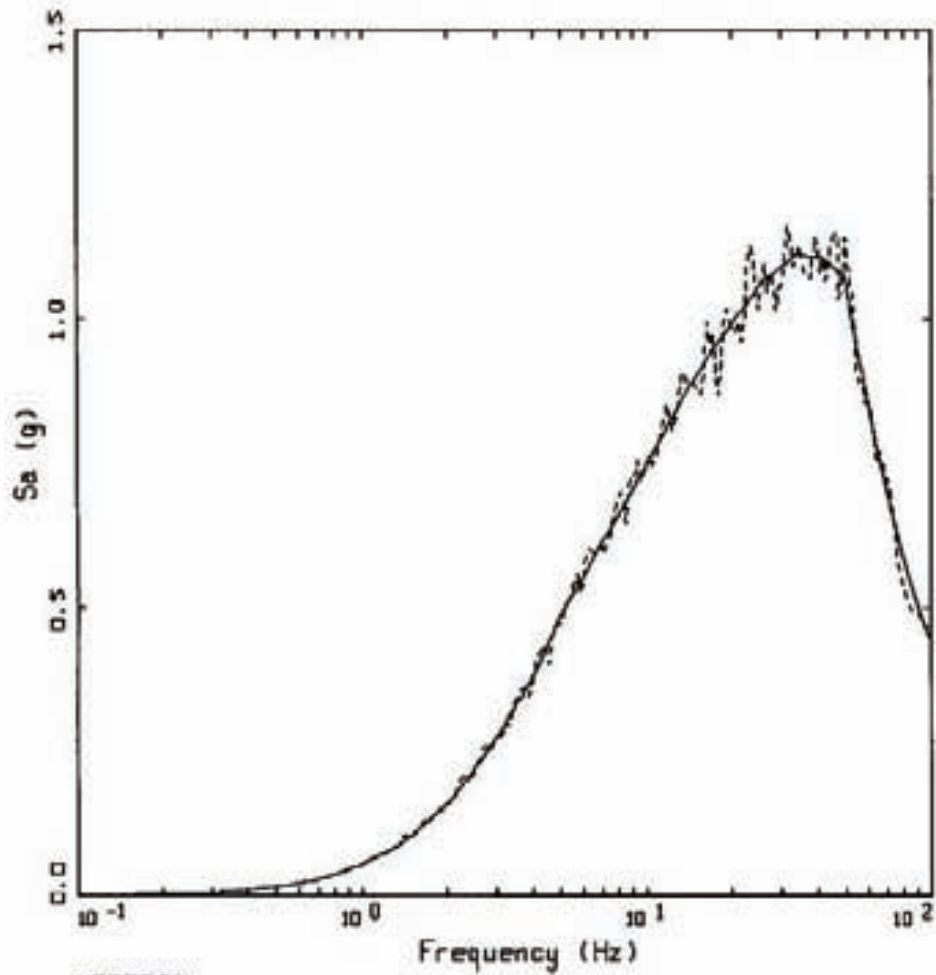


HORIZONTAL Z, BRUCE M5.25, R=10KM, SEALS68.7
 SPECTRAL RATIO: MATCH/TARGET

- SA RATIO: MATCH/TARGET
- UNITY
- UNITY * 1.3
- . - . - UNITY / 1.33

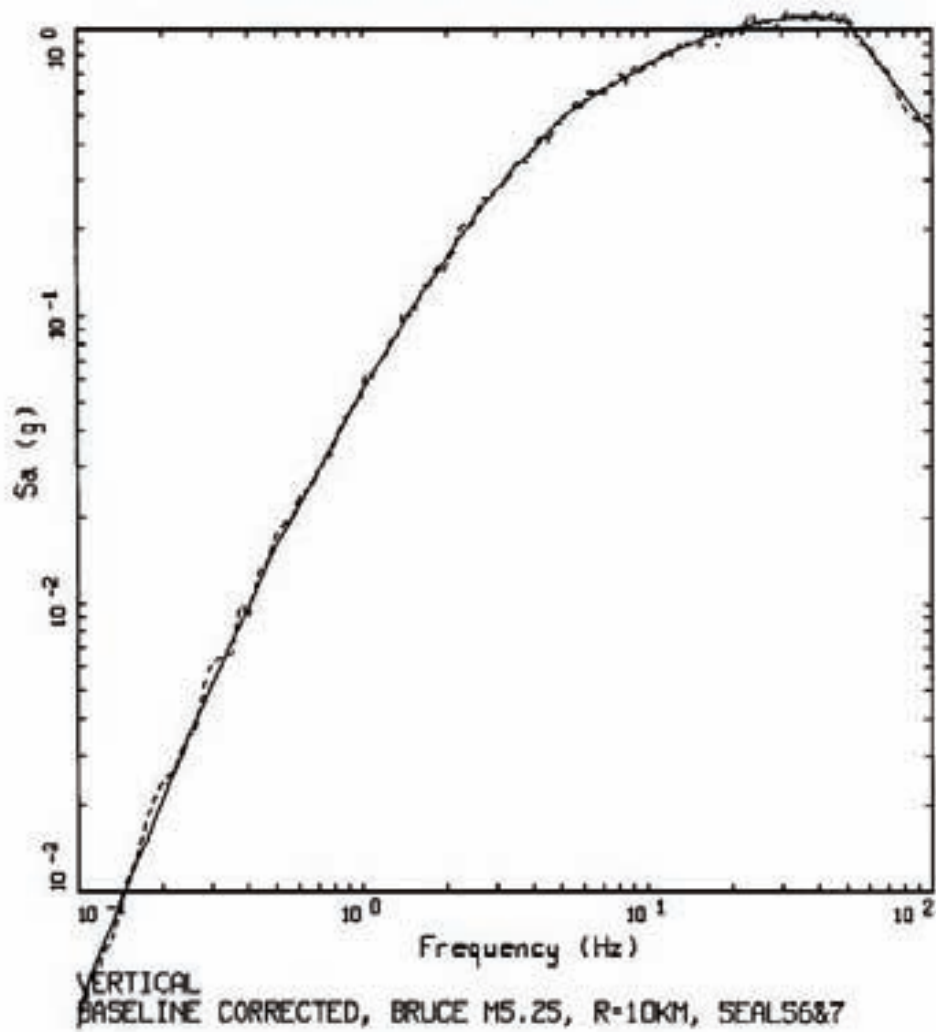


1E-06, VERTICAL
BASELINE CORRECTED, BRUCE M5.25, R=10KM, SEALS6&7

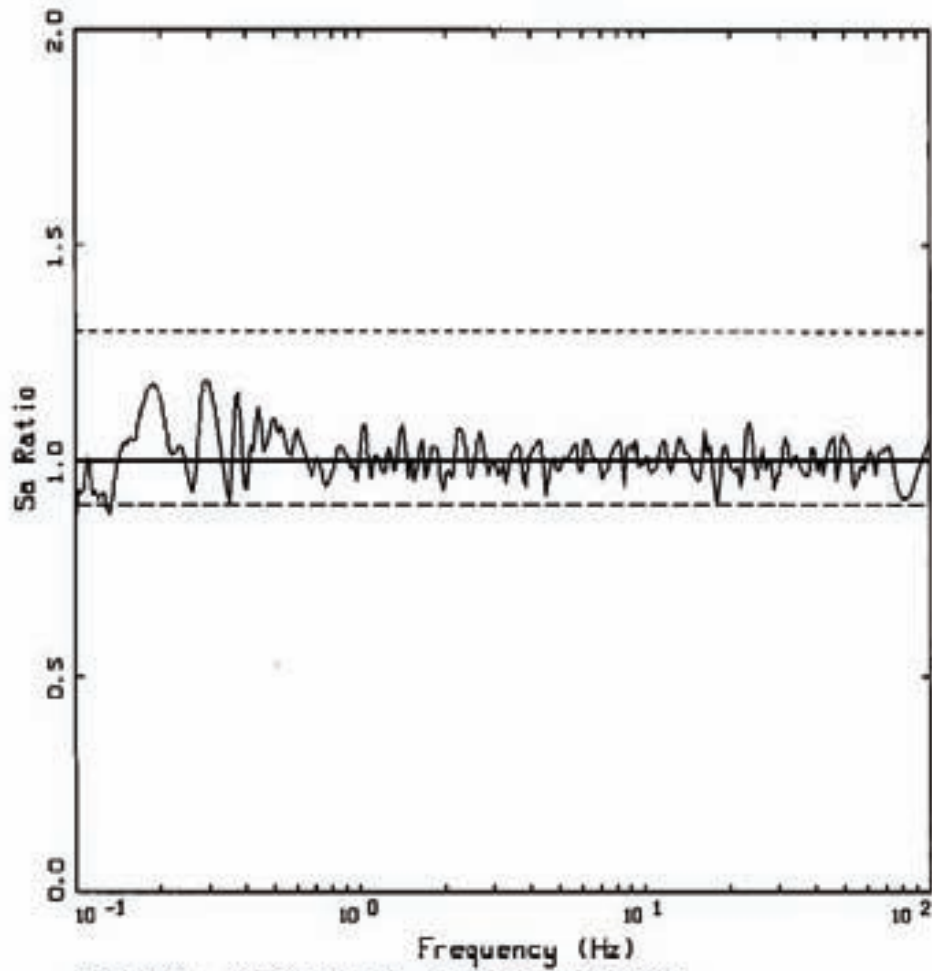


VERTICAL
BASELINE CORRECTED, BRUCE M5.25, R-10KM, SEALS6&7

LEGEND
—— TARGET; PGA = 0.439 g
----- 5 %, SPECTRAL NOTCH; PGA = 0.462 g

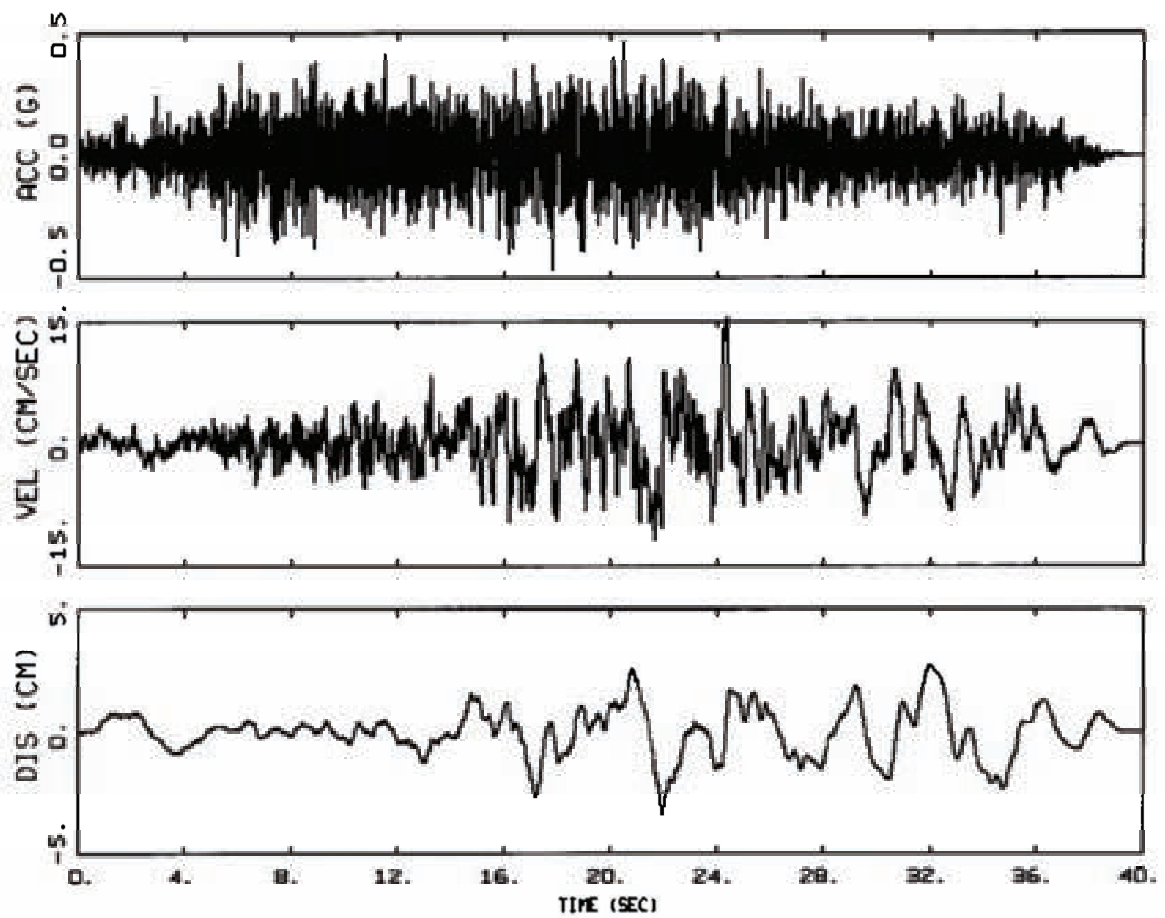


LEGEND
----- TARGET; PGA = 0.439 g
----- 5 %, SPECTRAL MATCH; PGA = 0.462 g

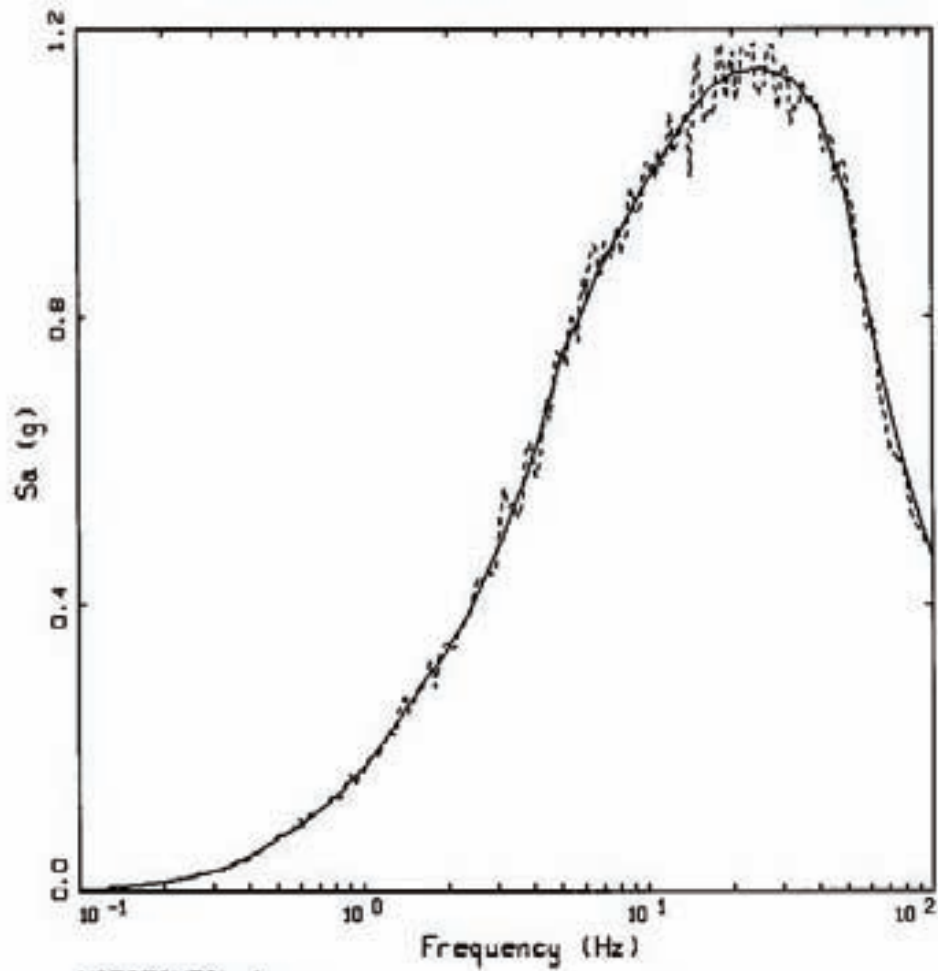


VERTICAL, BRUCE MS.25, R=10KM, SEALS6&7
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY * 1.3
 - - - UNITY / 1.111

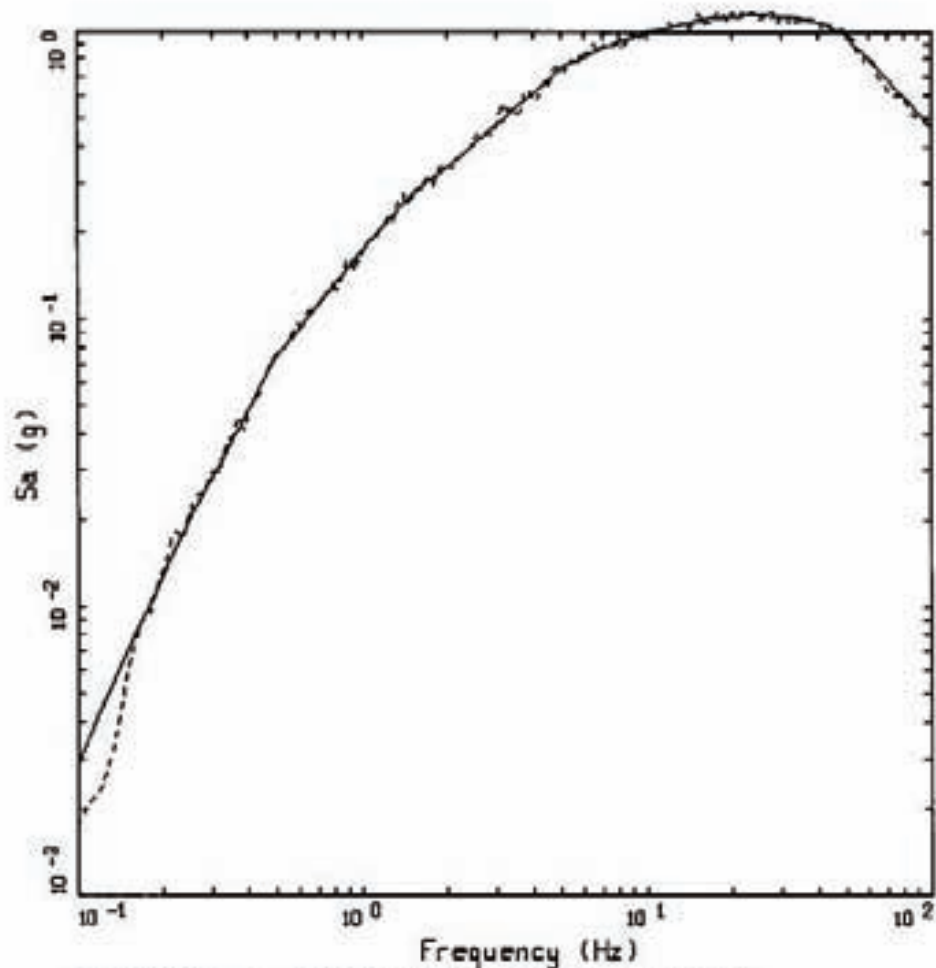


1E-06, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M6.25, R-25KM, SEALS687



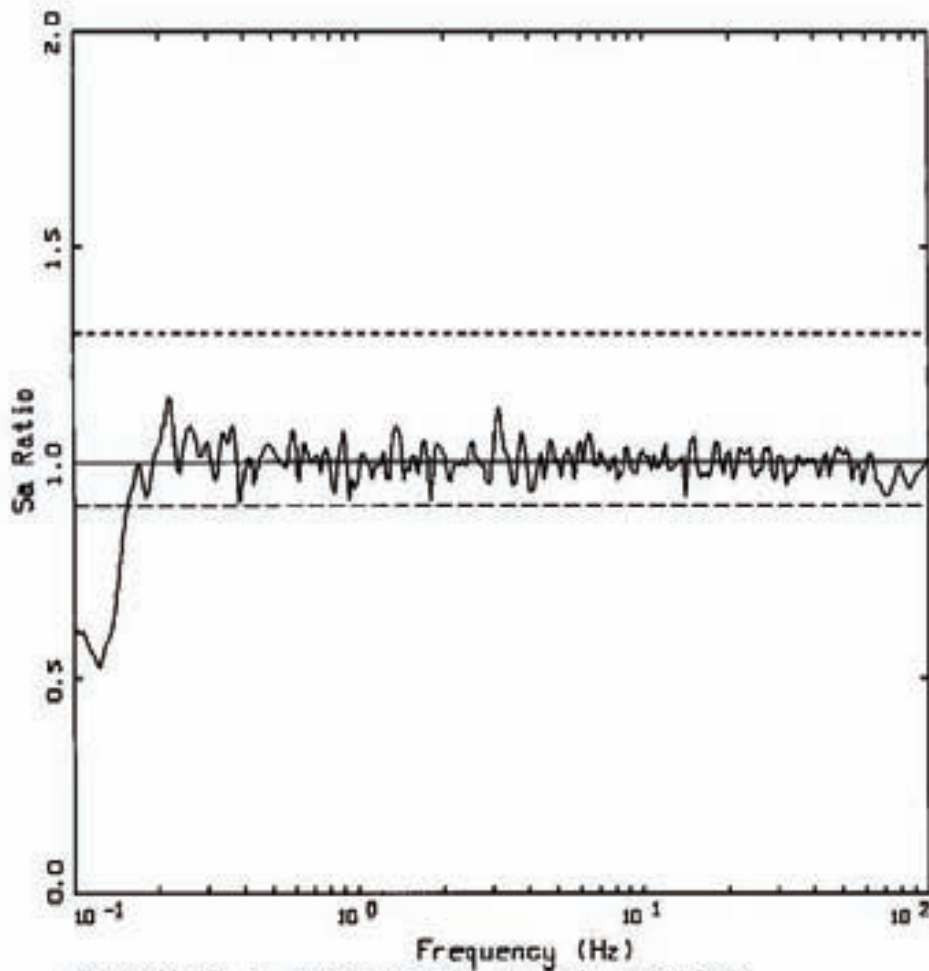
HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEALS6&7

LEGEND
 ——— TARGET; PGA = 0.466 g
 - - - - - S X, SPECTRAL MATCH; PGA = 0.471 g



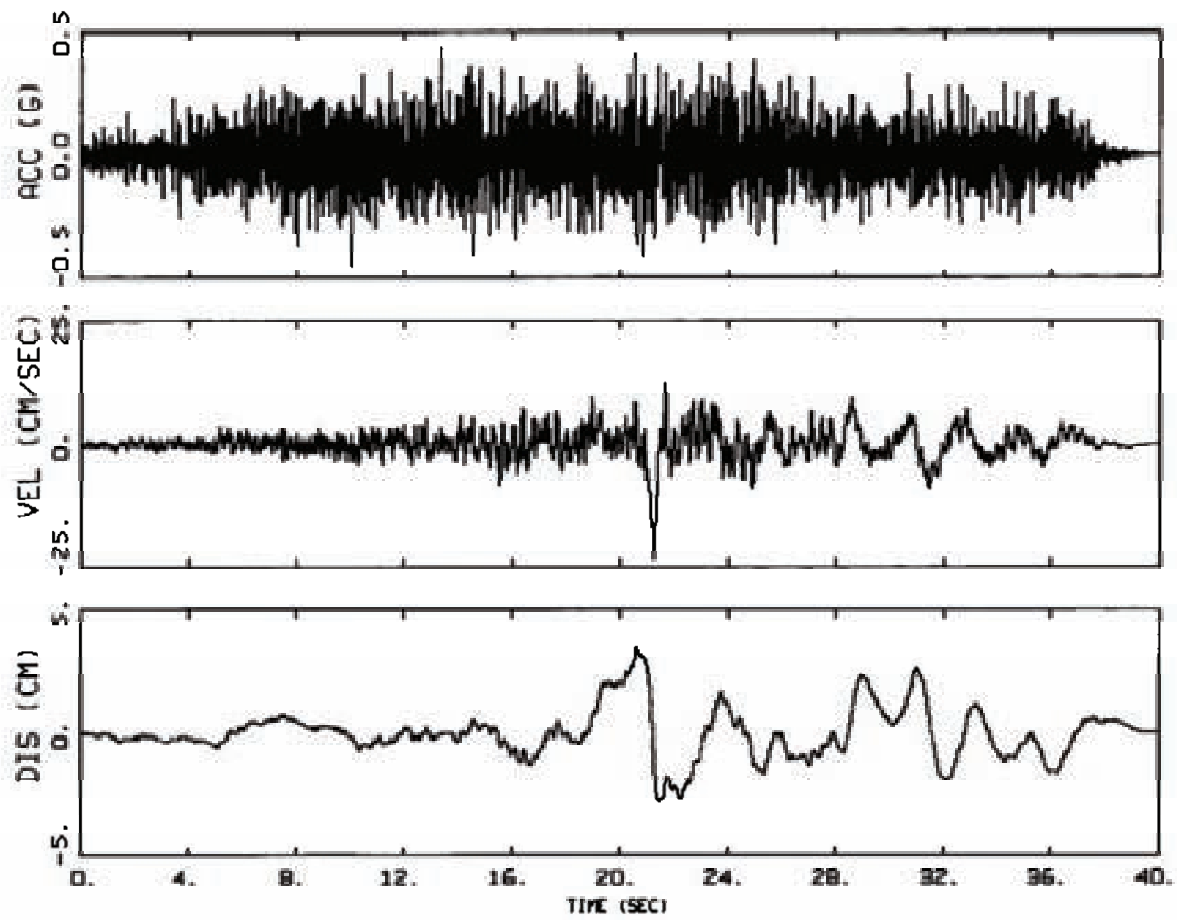
HORIZONTAL 1, BRUCE M6.25, R=25KM, SEALS6&7
 BASELINE CORRECTED

———— TARGET; PGA = 0.466 g
 - - - - - 5 %, SPECTRAL RATIO; PGA = 0.471 g

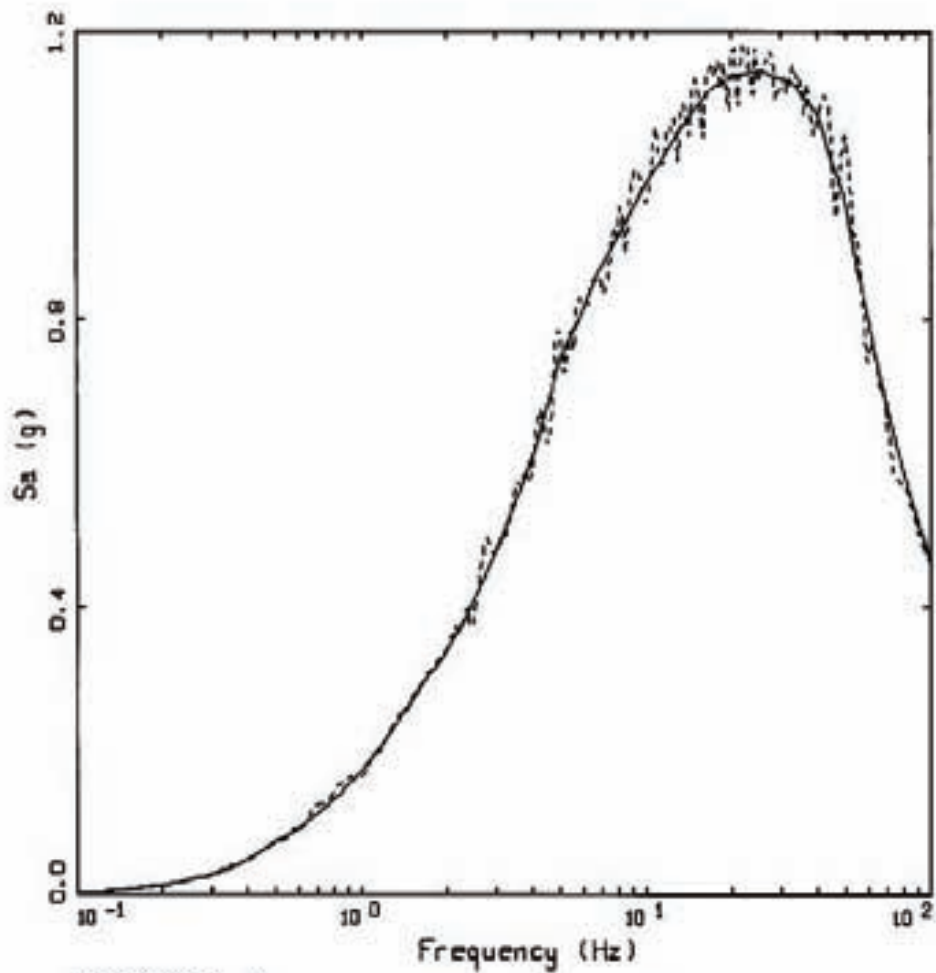


HORIZONTAL 1, BRUCE M6.25, R=25KM, SEALS6&7
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND**
- SA RATIO: MATCH/TARGET
 - UNITY
 - - - UNITY + 0.3
 - - - UNITY / 1.111

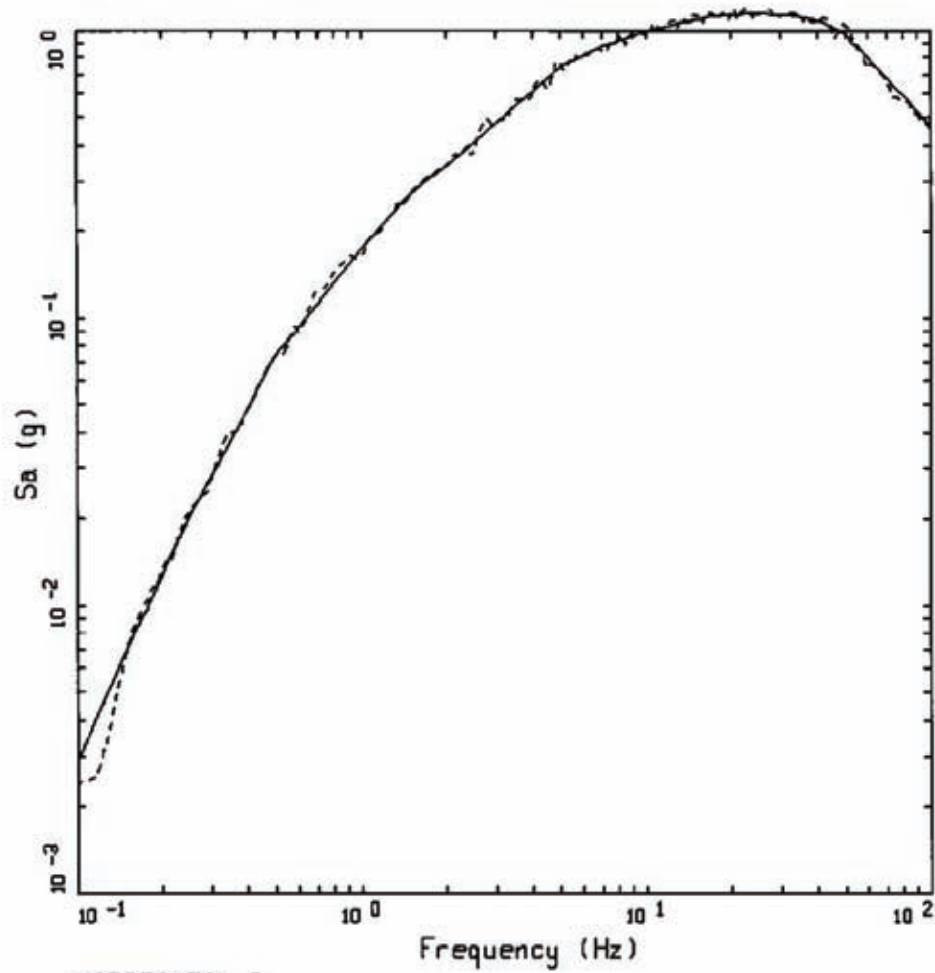


1E-06, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M6.25, R-25KM, SEALS687



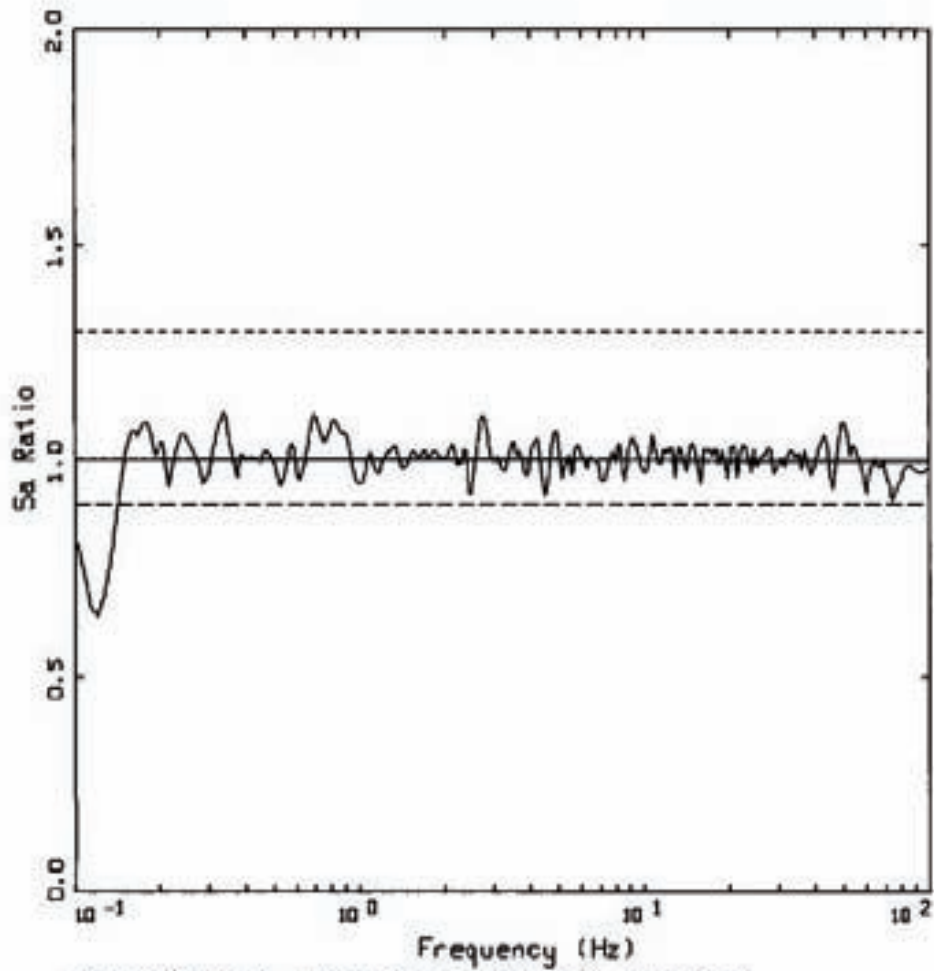
HORIZONTAL 2
BASELINE CORRECTED, BRUCE M6.25, R-25KM, SEALS6&7

LEGEND
—— TARGET; PGA = 0.466 g
- - - - - 5 X, SPECTRAL NOTCH; PGA = 0.439 g



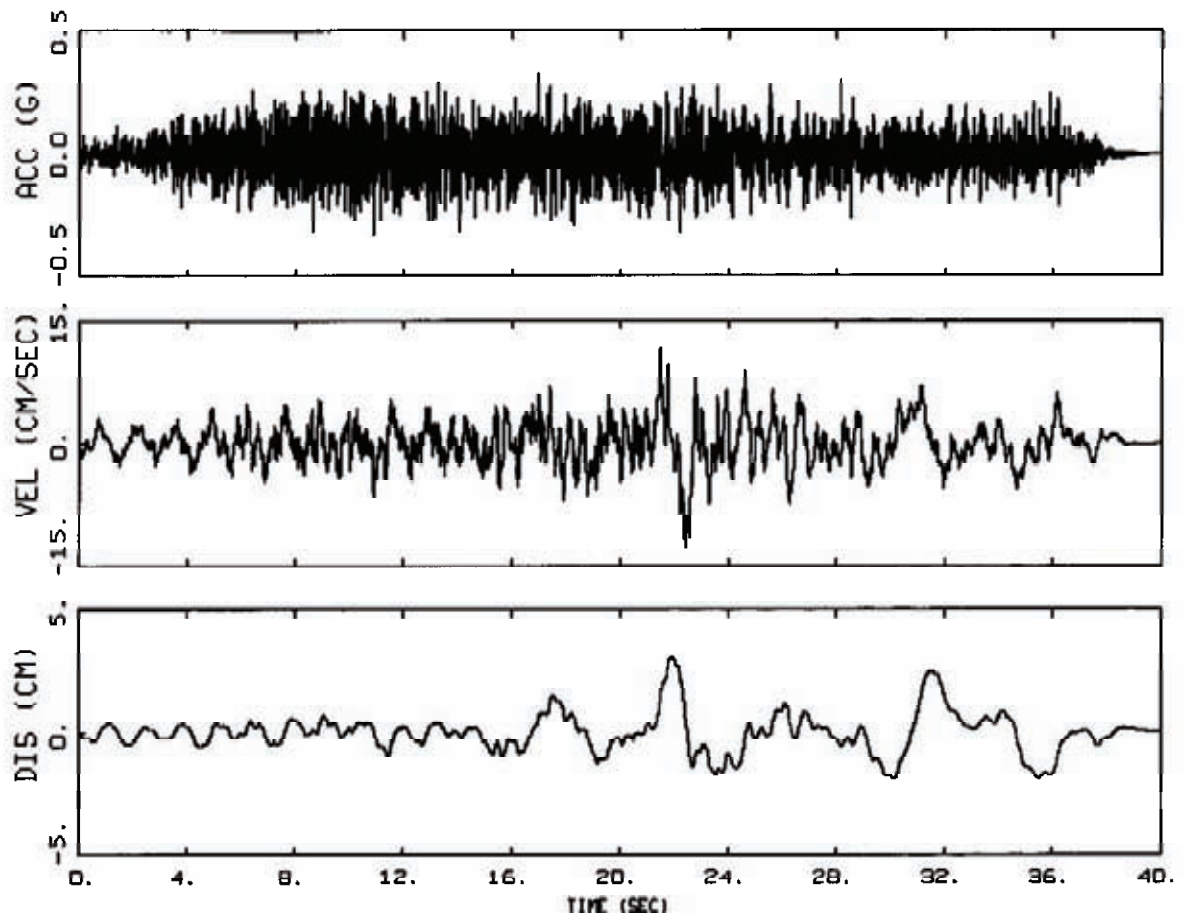
HORIZONTAL 2
BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEALS6&7

LEGEND
—— TARGET; PGA = 0.466 g
----- 5 % SPECTRAL MATCH; PGA = 0.459 g

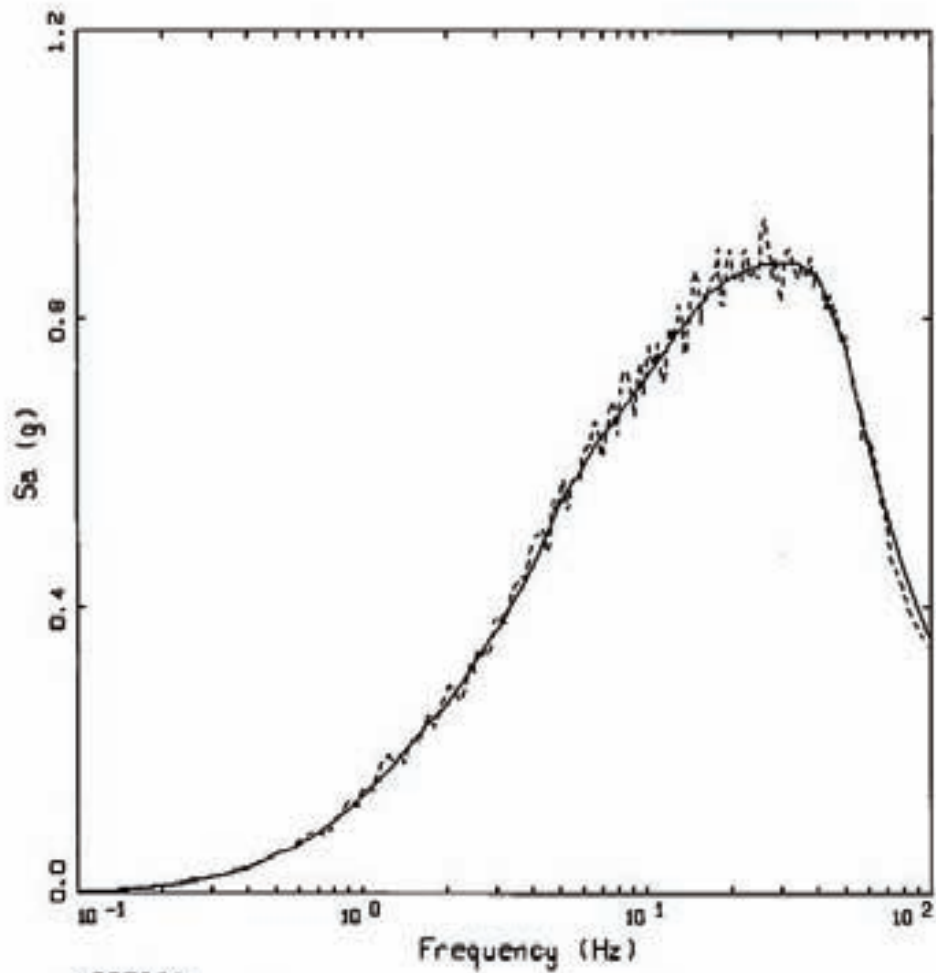


HORIZONTAL Z, BRUCE M6.25, R=25KM, SEALS6&7
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND**
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.333

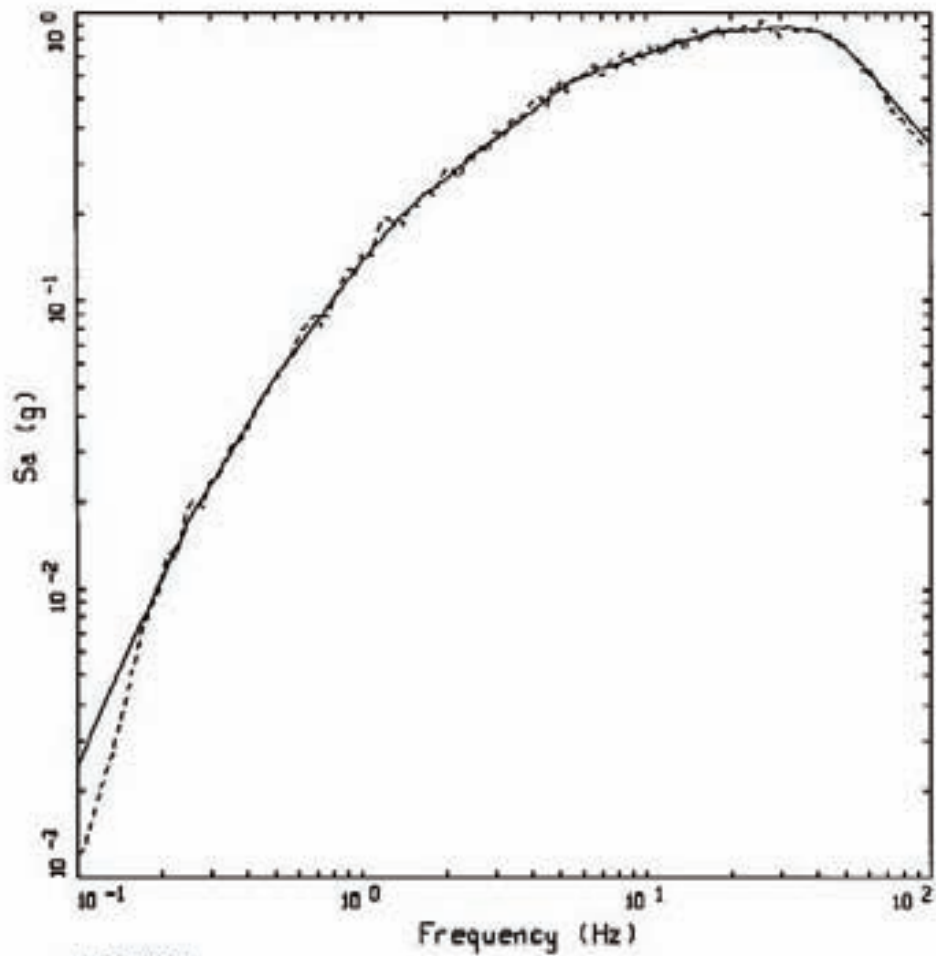


1E-06, VERTICAL
BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEALS6&7



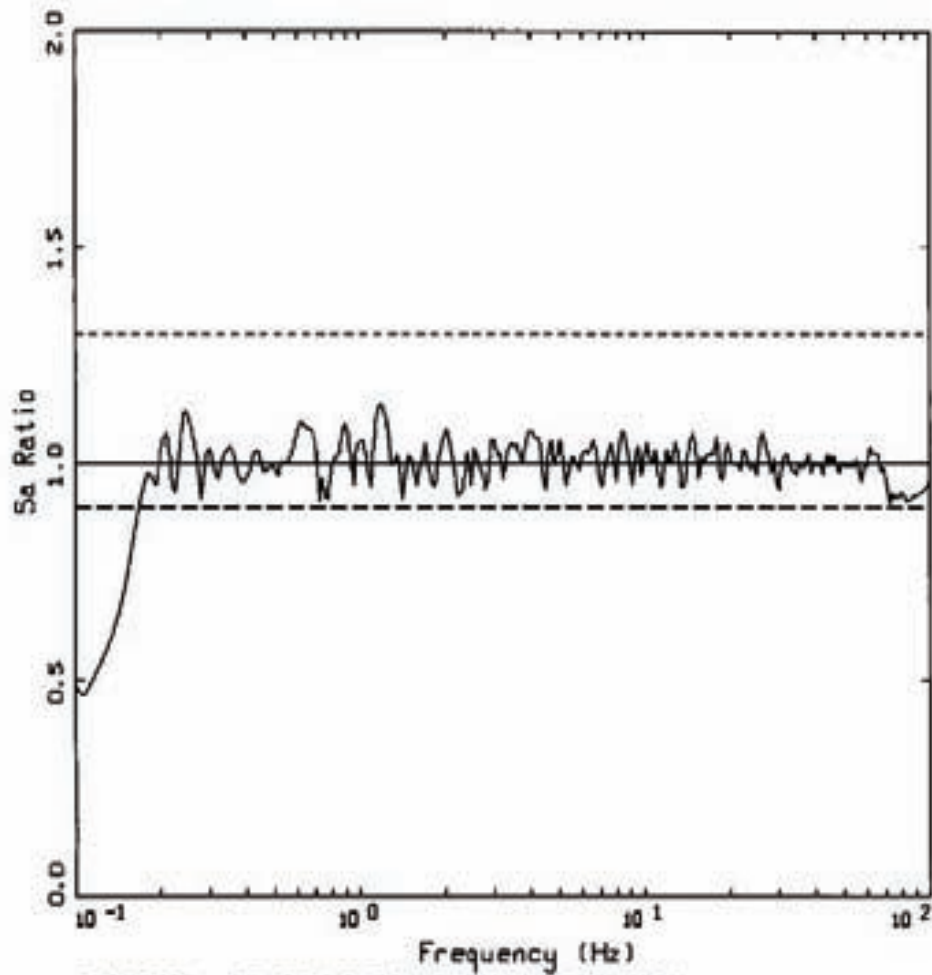
VERTICAL
 BASELINE CORRECTED, BRUCE M6.25, R-25KM, SEALS6&7

LEGEND
 ——— TARGET; PGA = 0.353 g
 - - - - - 5 % SPECTRAL NOTCH; PGA = 0.340 g



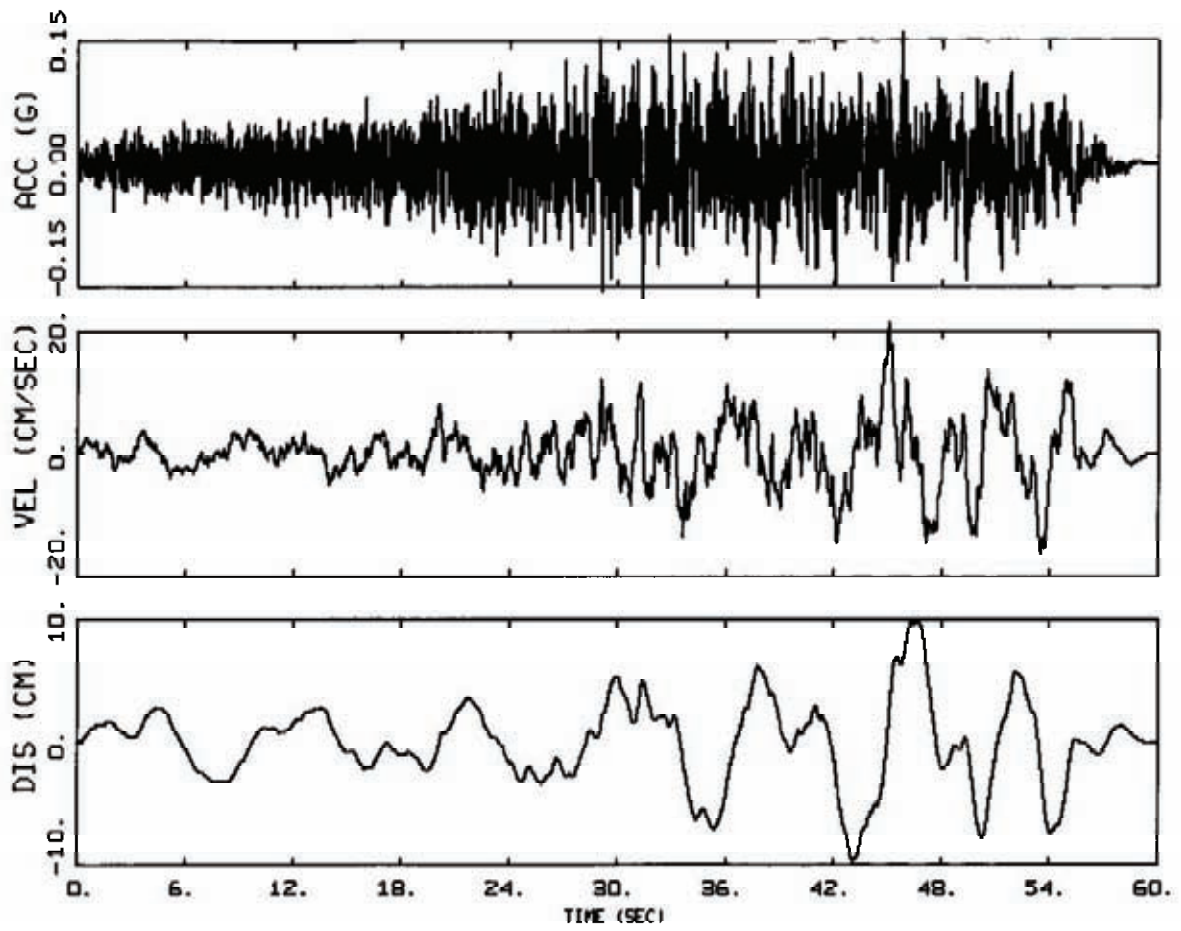
VERTICAL
BASELINE CORRECTED, BRUCE M6.25, R=25KM, SEAL56&7

LEGEND
—— TARGET; PGA = 0.353 g
----- S X, SPECTRAL MATCH; PGA = 0.340 g

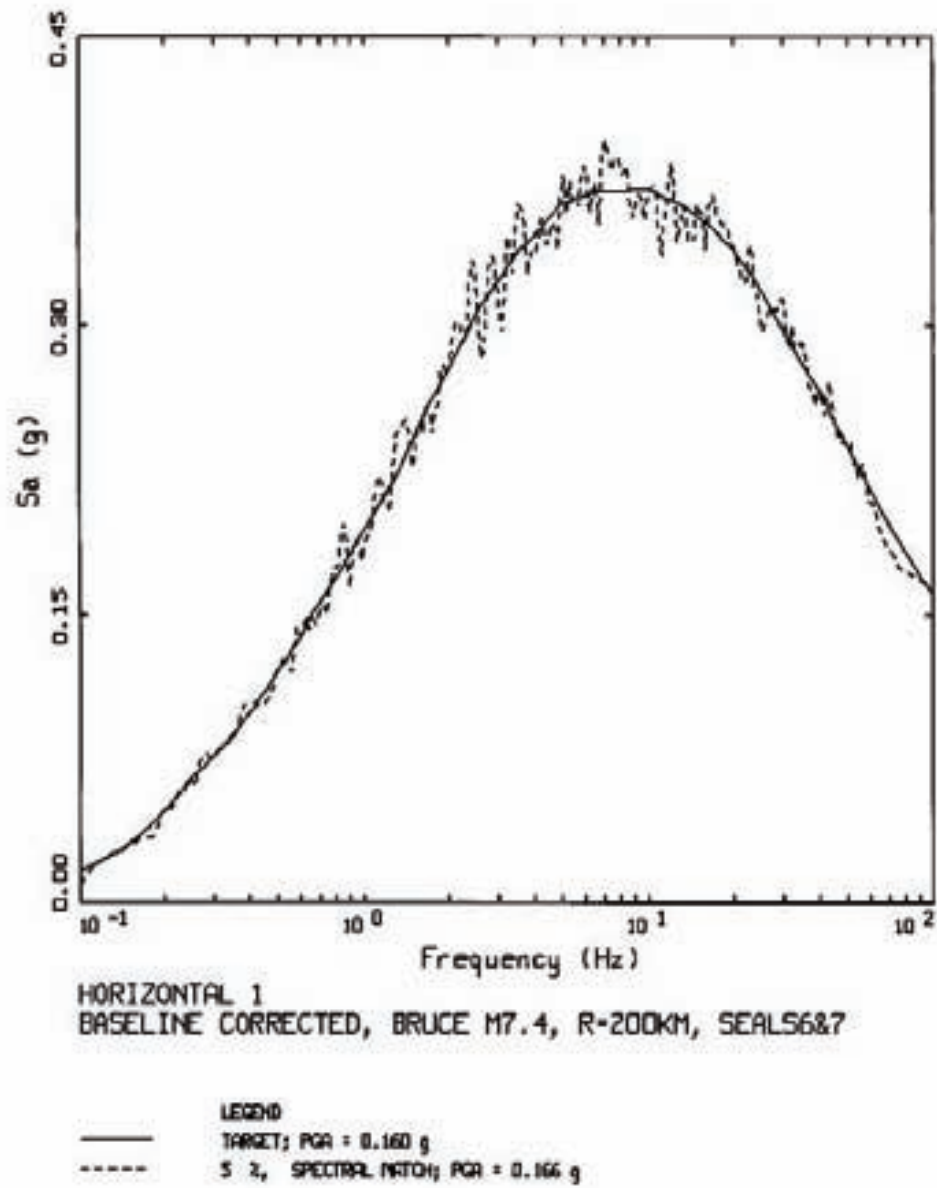


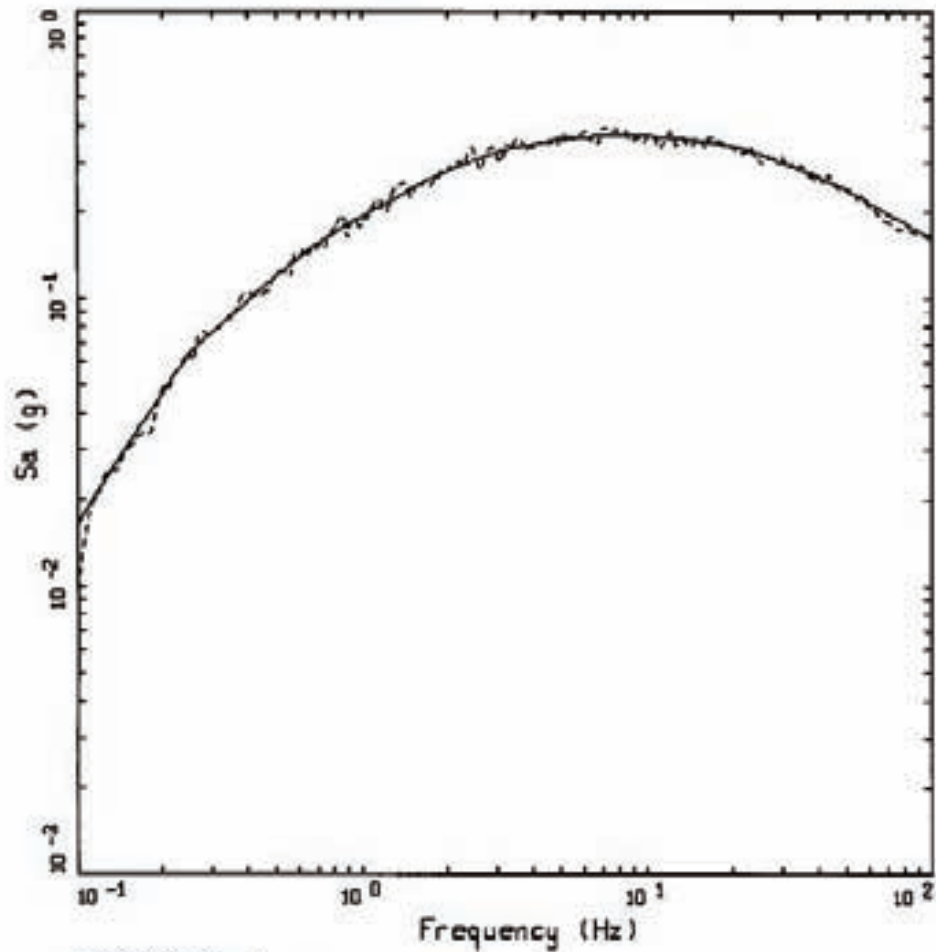
VERTICAL, BRUCE M6.25, R=25KM, SEAL56&7
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111



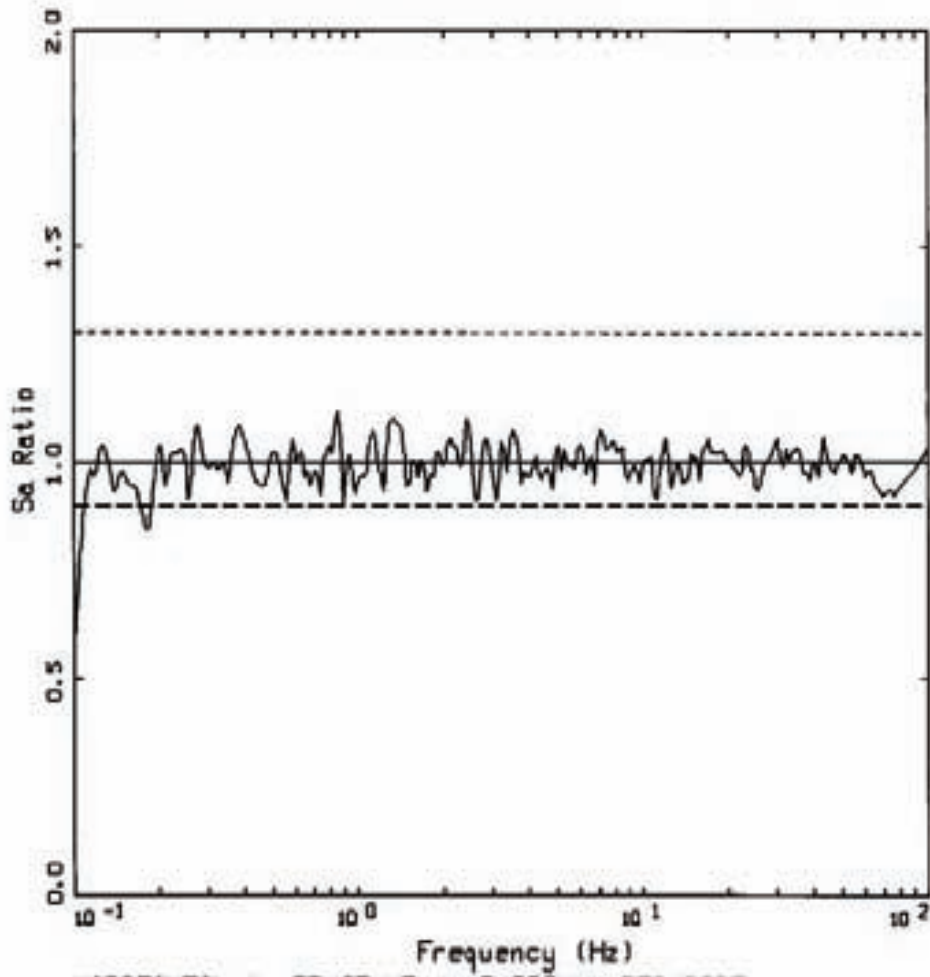
1E-06, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEAL56&7





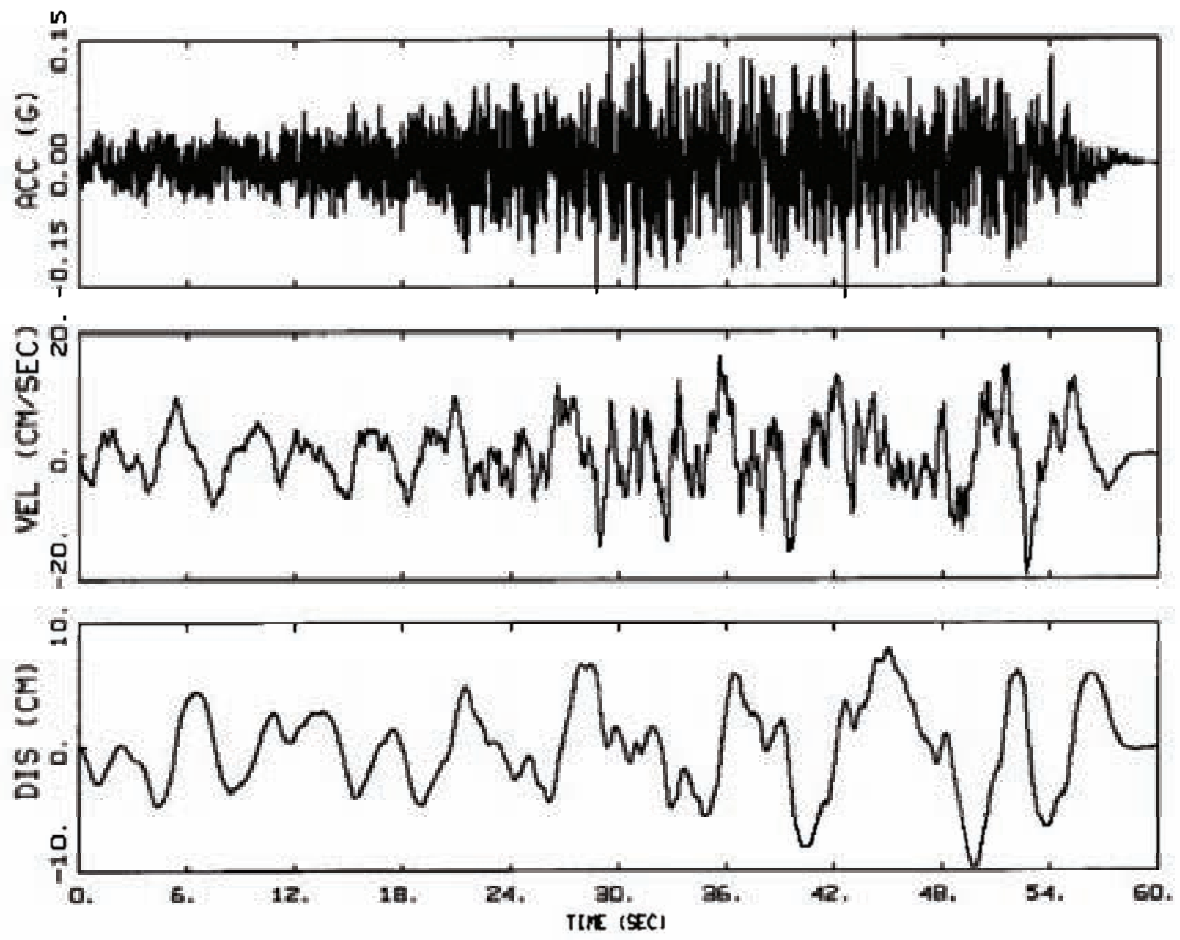
HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEAL56&7

LEGEND
 ——— TARGET; PGA = 0.160 g
 - - - - - S SPECTRAL MATCH; PGA = 0.166 g

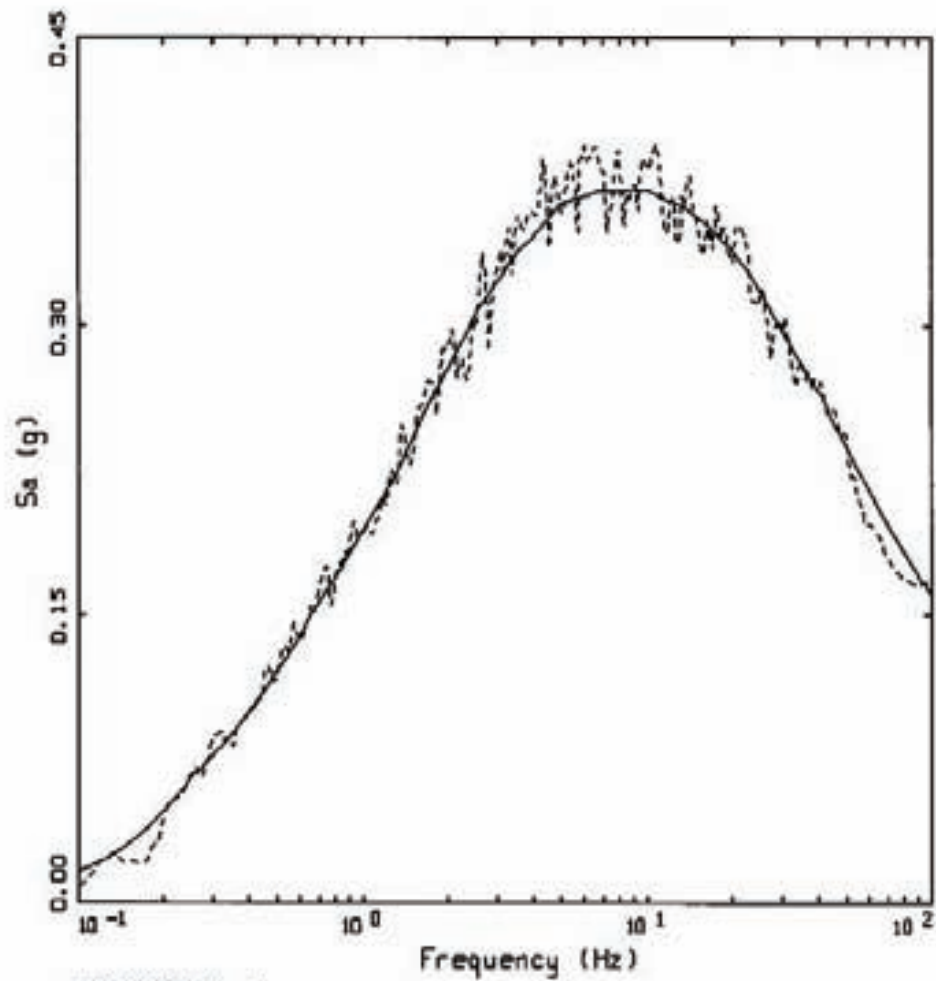


HORIZONTAL 1, BRUCE M7.4, R=200KM, SEALS6&7
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111

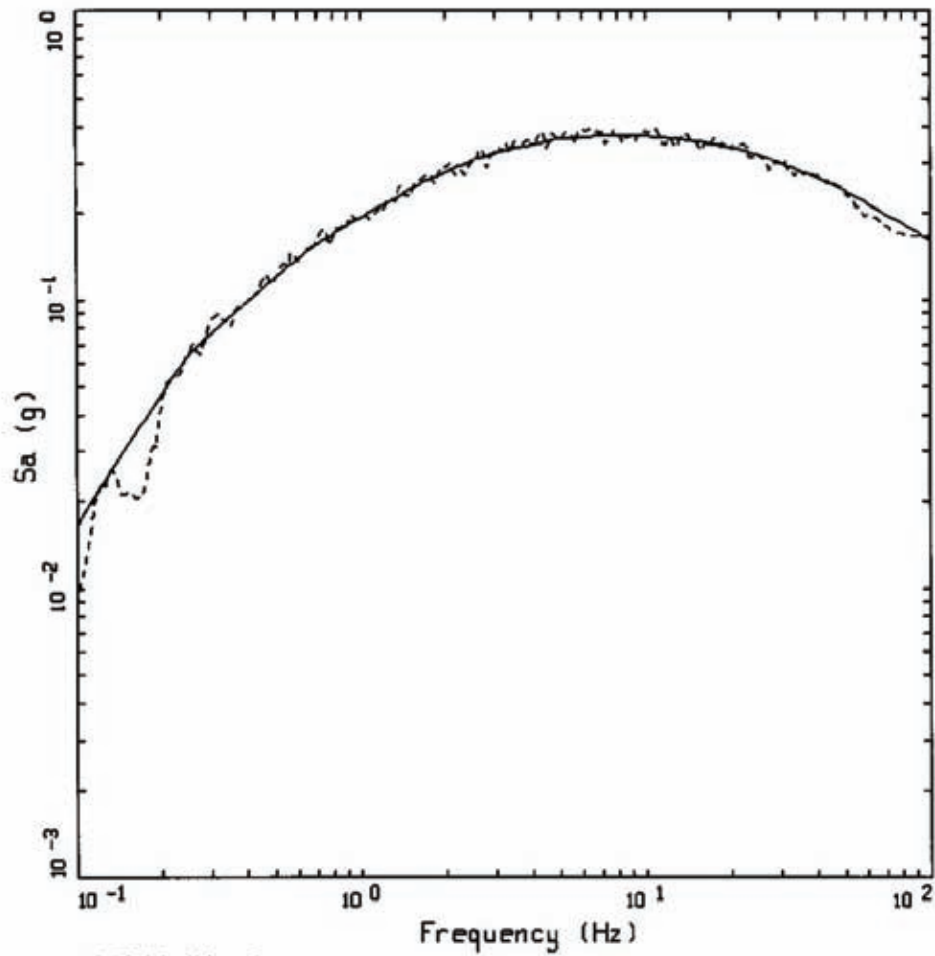


1E-06, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M7.4, R-200KM, SEALS687



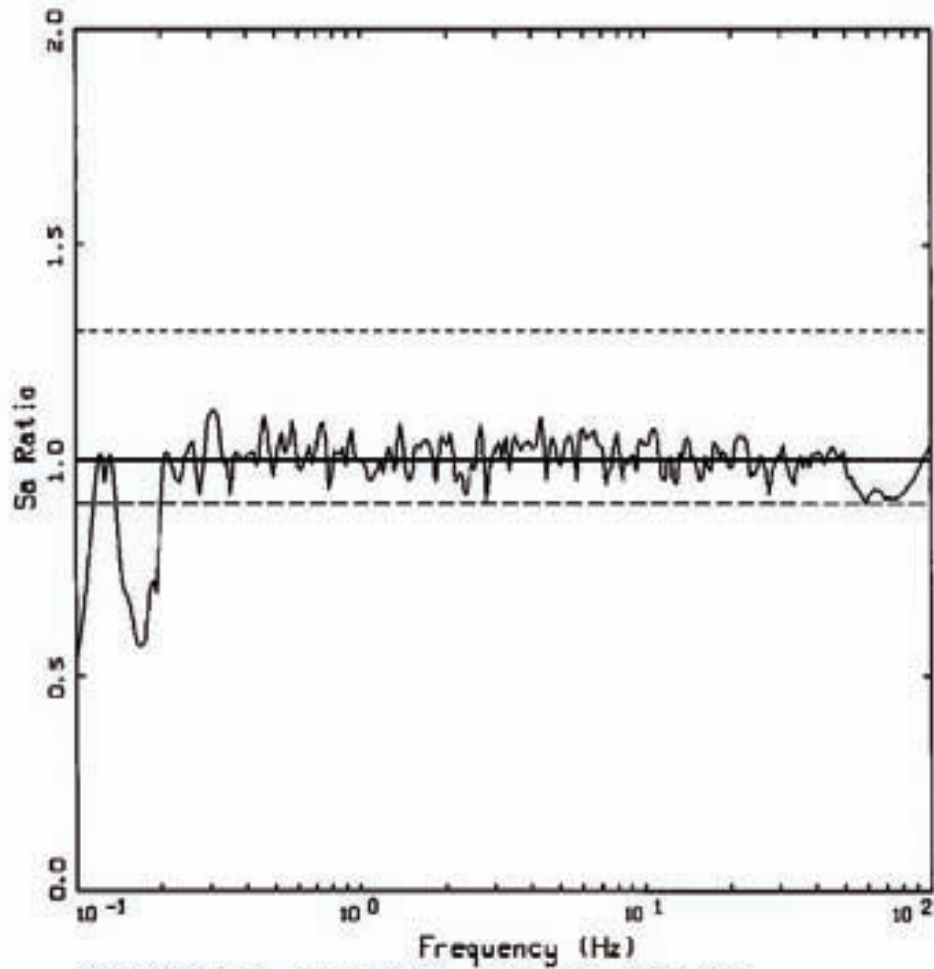
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEALS6&7

———— LEGEND
 TARGET; PGA = 0.160 g
 - - - - - 5 % SPECTRAL MATCH; PGA = 0.166 g



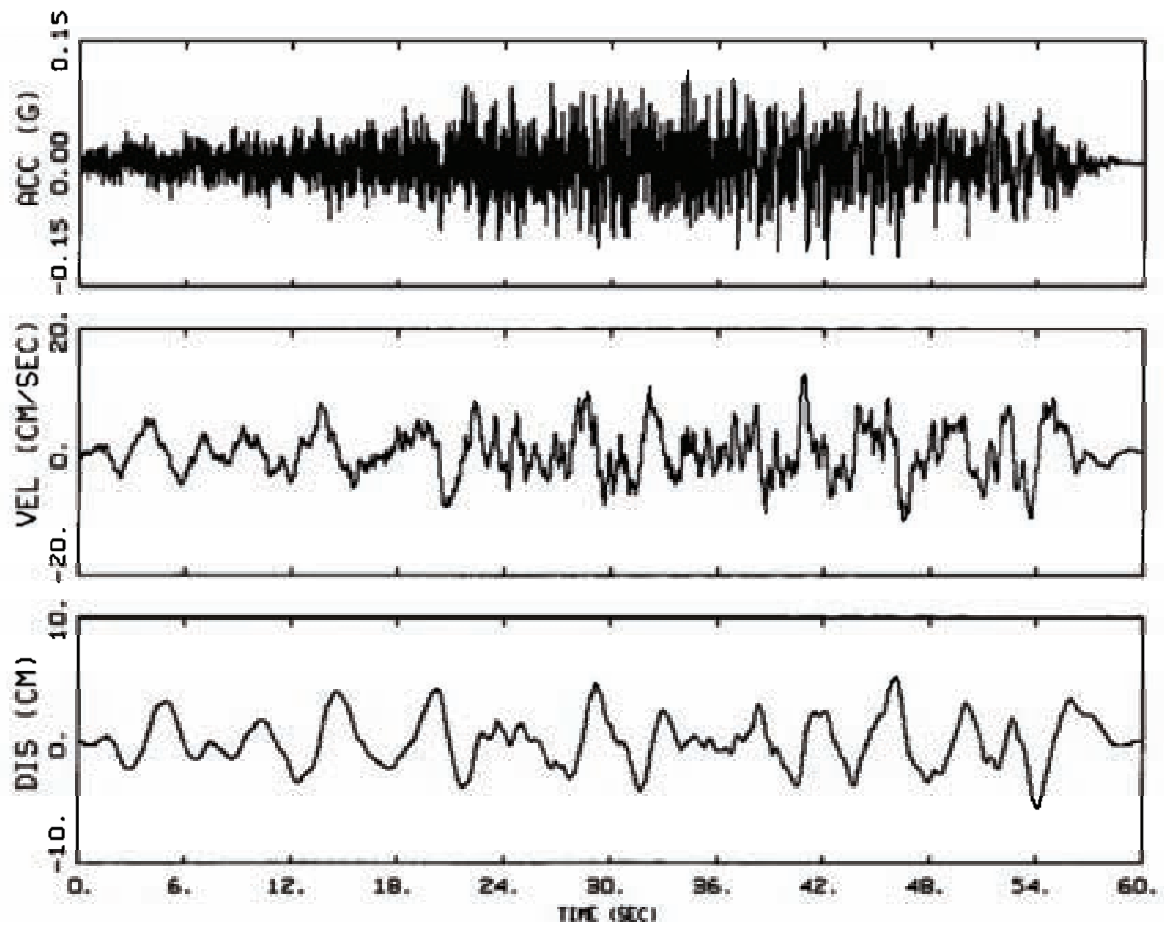
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEALS6&7

LEGEND
 ——— TARGET; PGA = 0.160 g
 - - - - - 5 %, SPECTRAL MATCH; PGA = 0.166 g

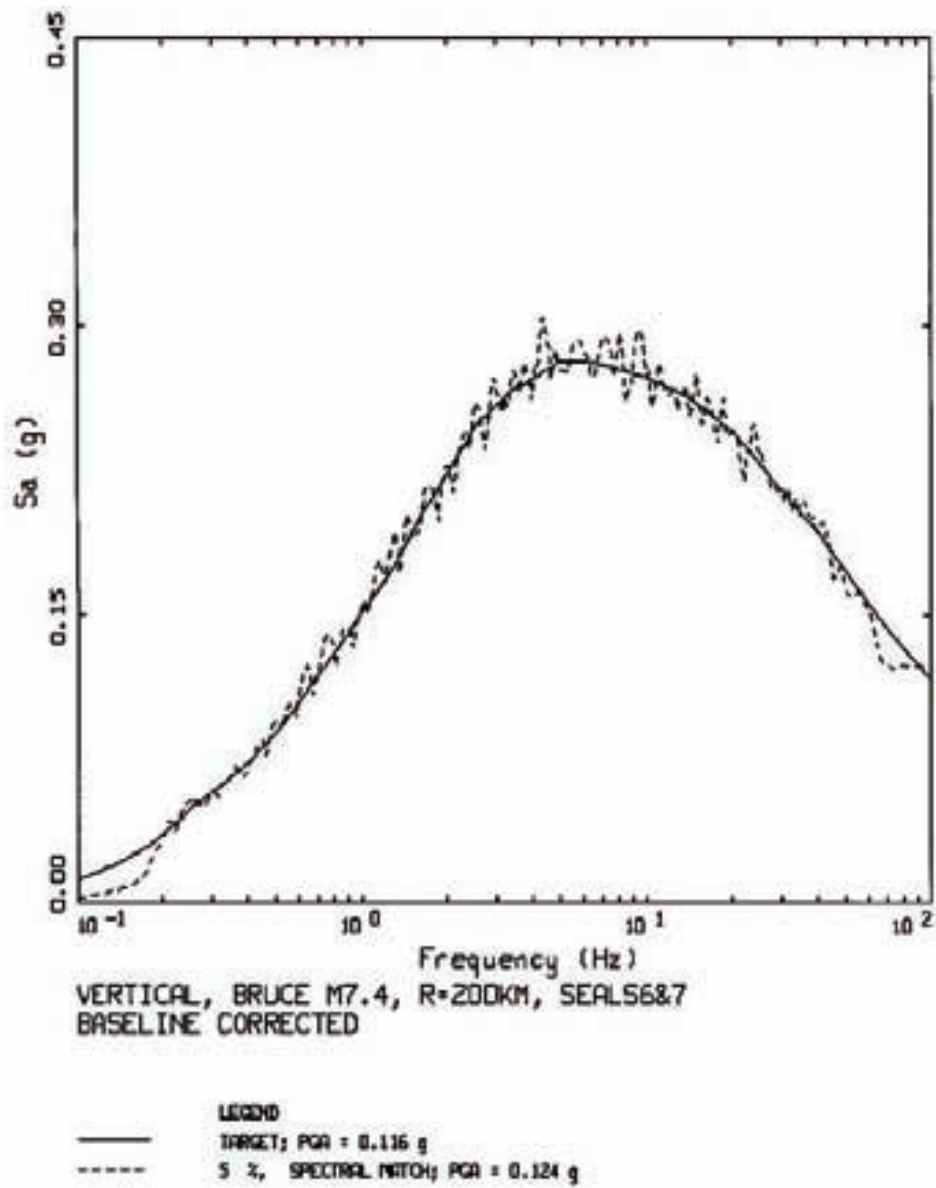


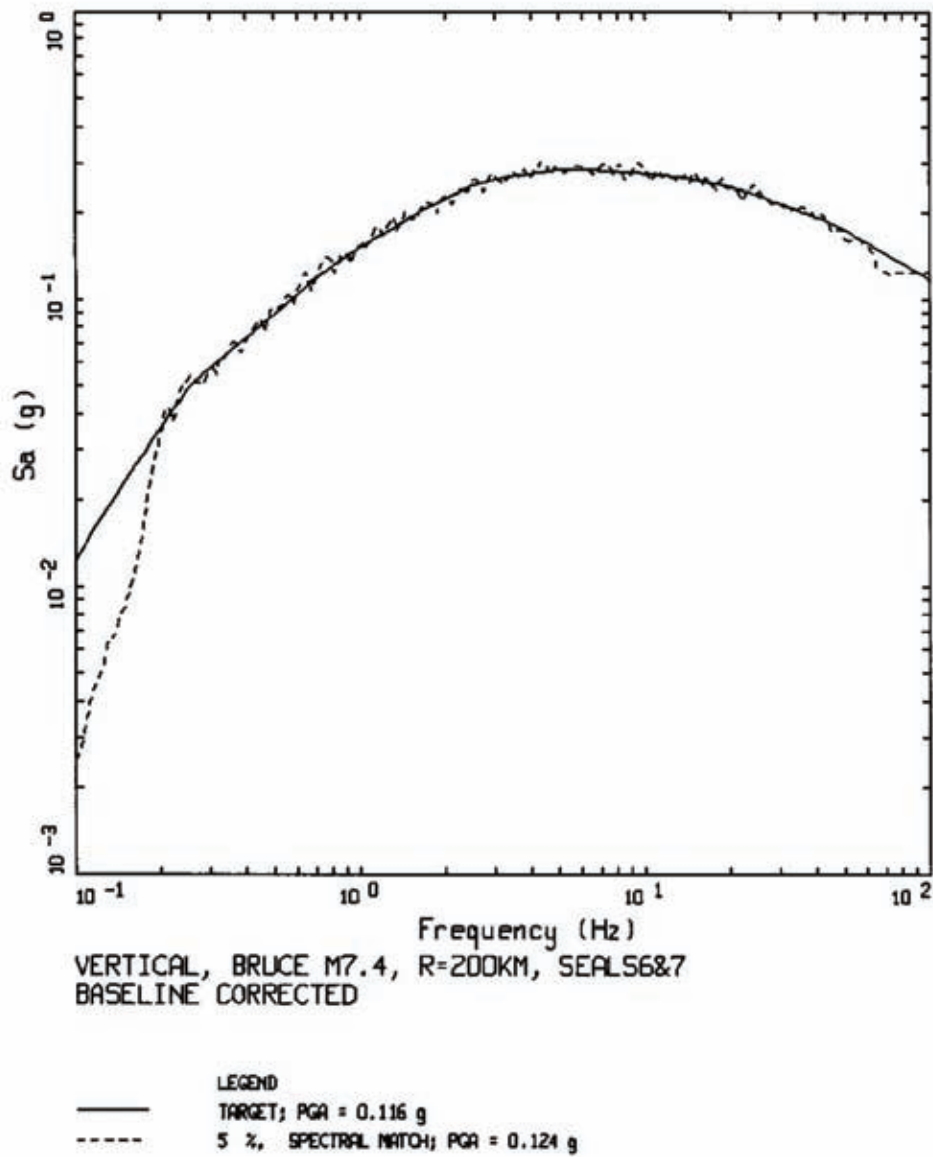
HORIZONTAL 2, BRUCE M7.4, R=200KM, SEALS6&7
 SPECTRAL RATIO: MATCH/TARGET

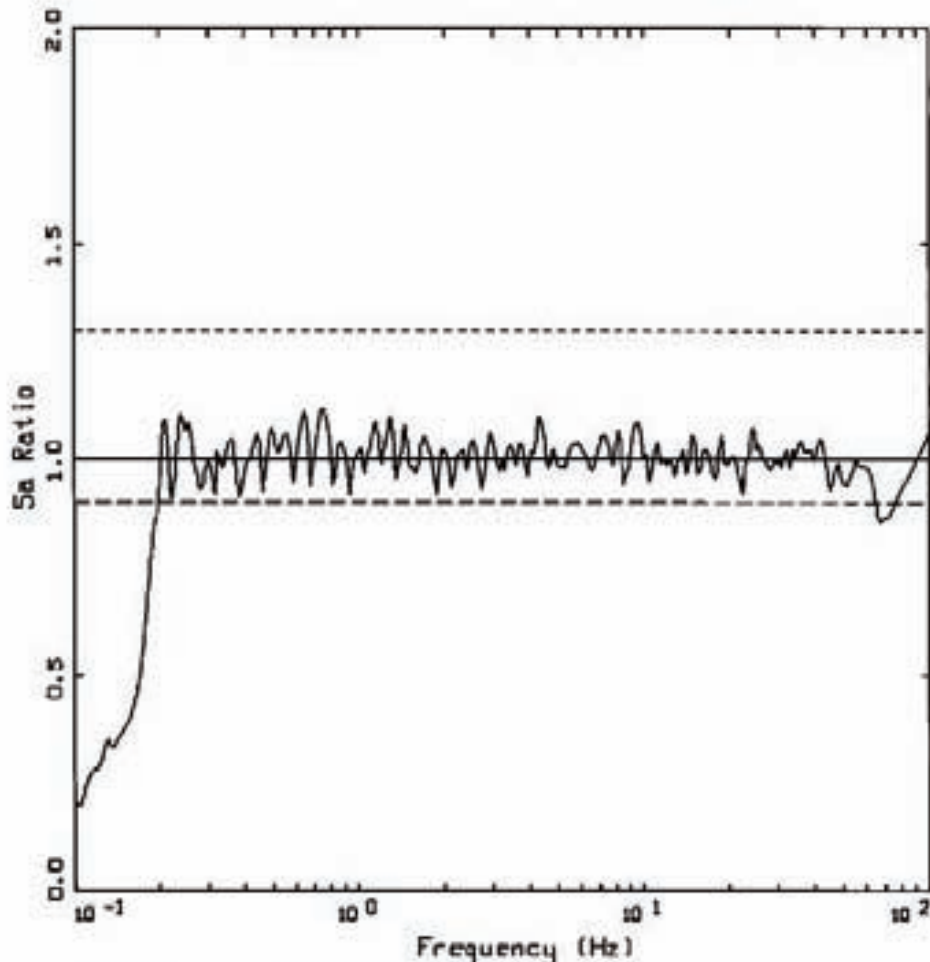
- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111



1E-06, VERTICAL
BASELINE CORRECTED, BRUCE M7.4, R=200KM, SEALS6&7



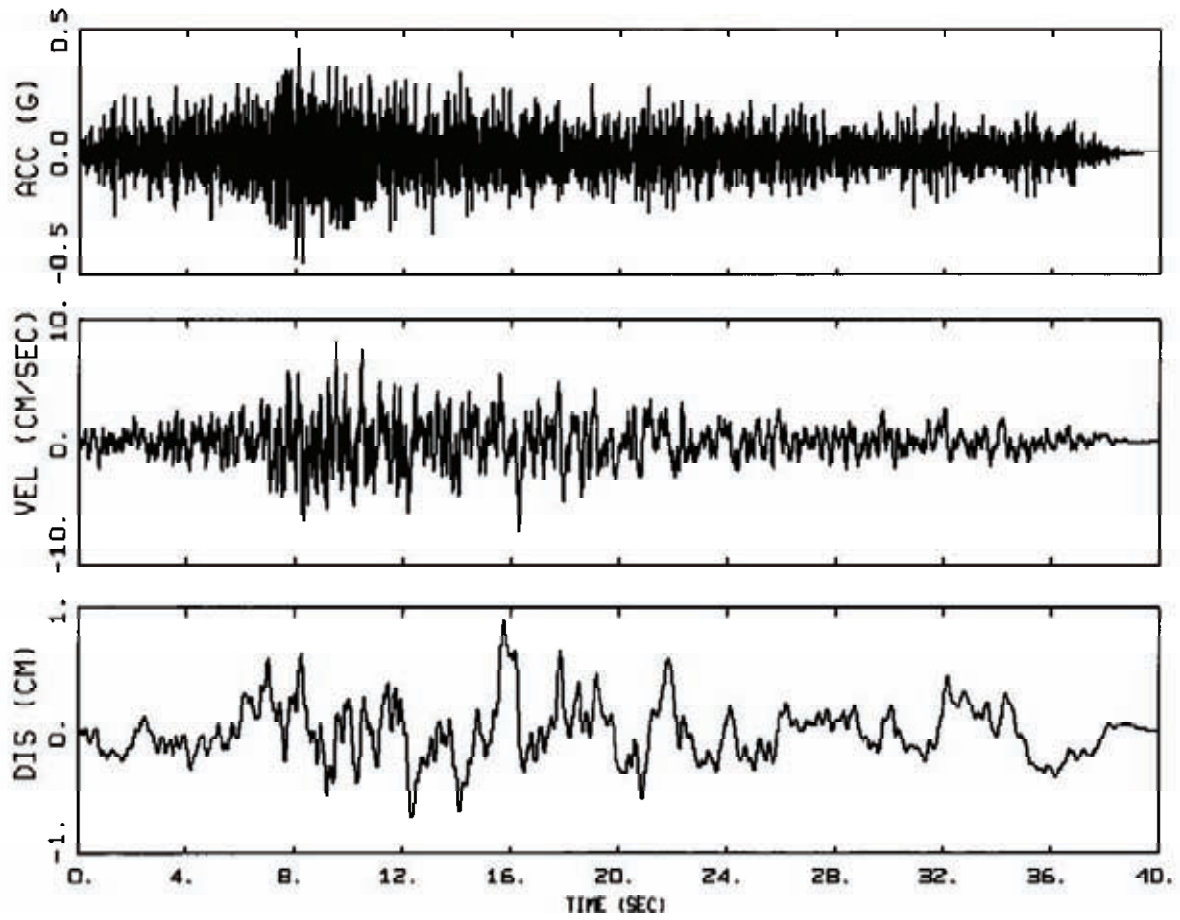




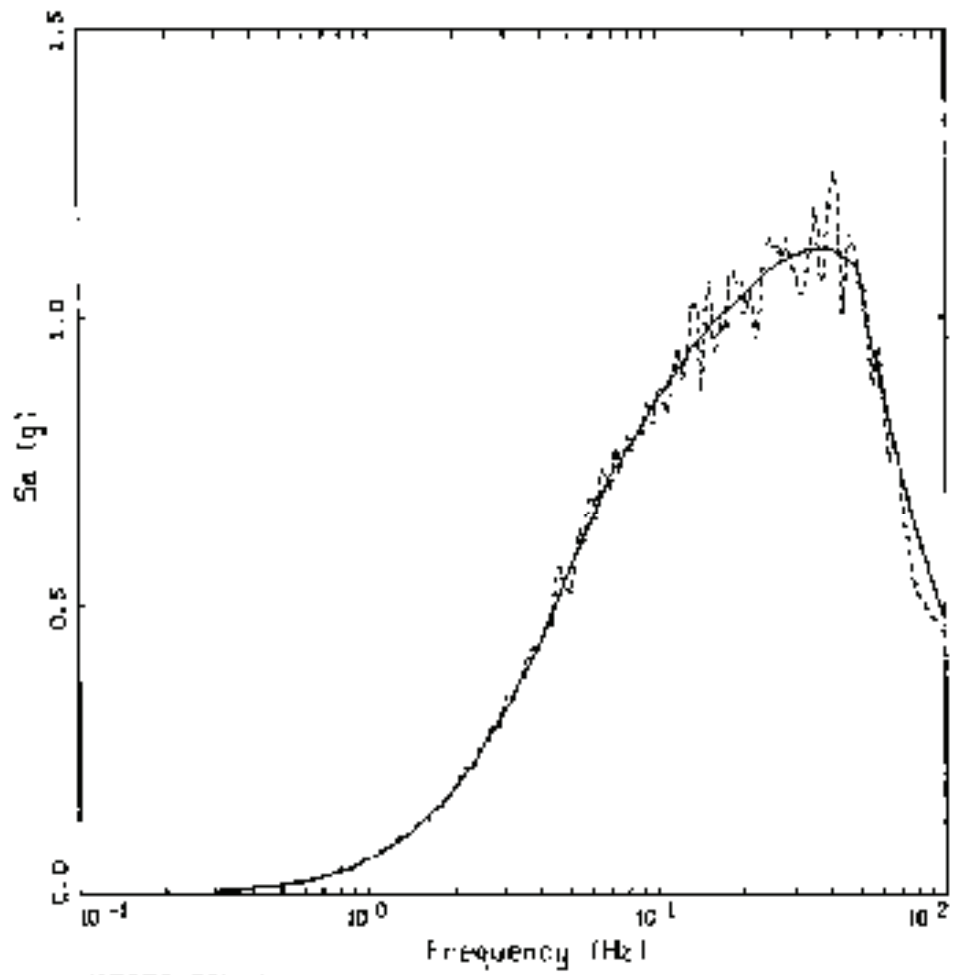
VERTICAL, BRUCE M7.4, R=200KM, SEAL56&7
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.111

Figure B10. Acceleration, velocity, displacement time histories, spectral match (linear and log S_a axes), and ratios of target design spectrum to match spectrum, Horizontal (H1 and H2) and vertical components for all three design spectra: Repository 680m, AEF 10^{-6} .

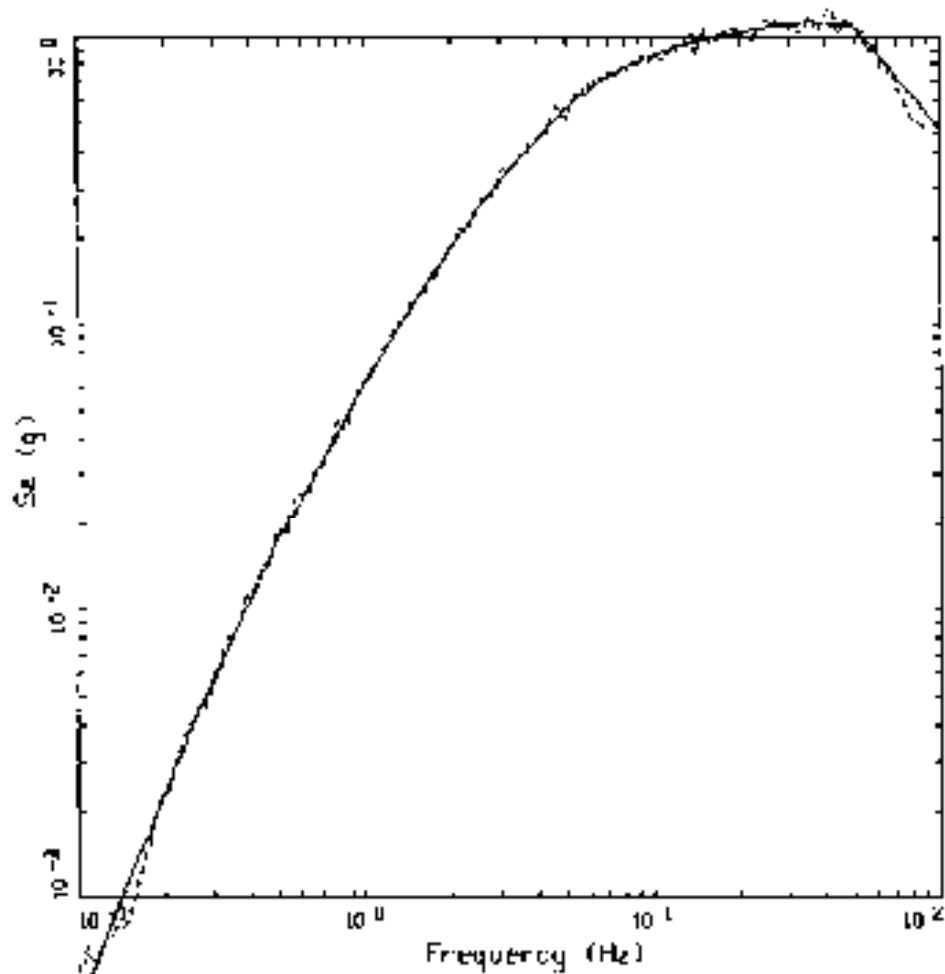


1E-06, HORIZONTAL 1
BASELINE CORRECTED, BRUCE MS.25, R=10KM, 680M



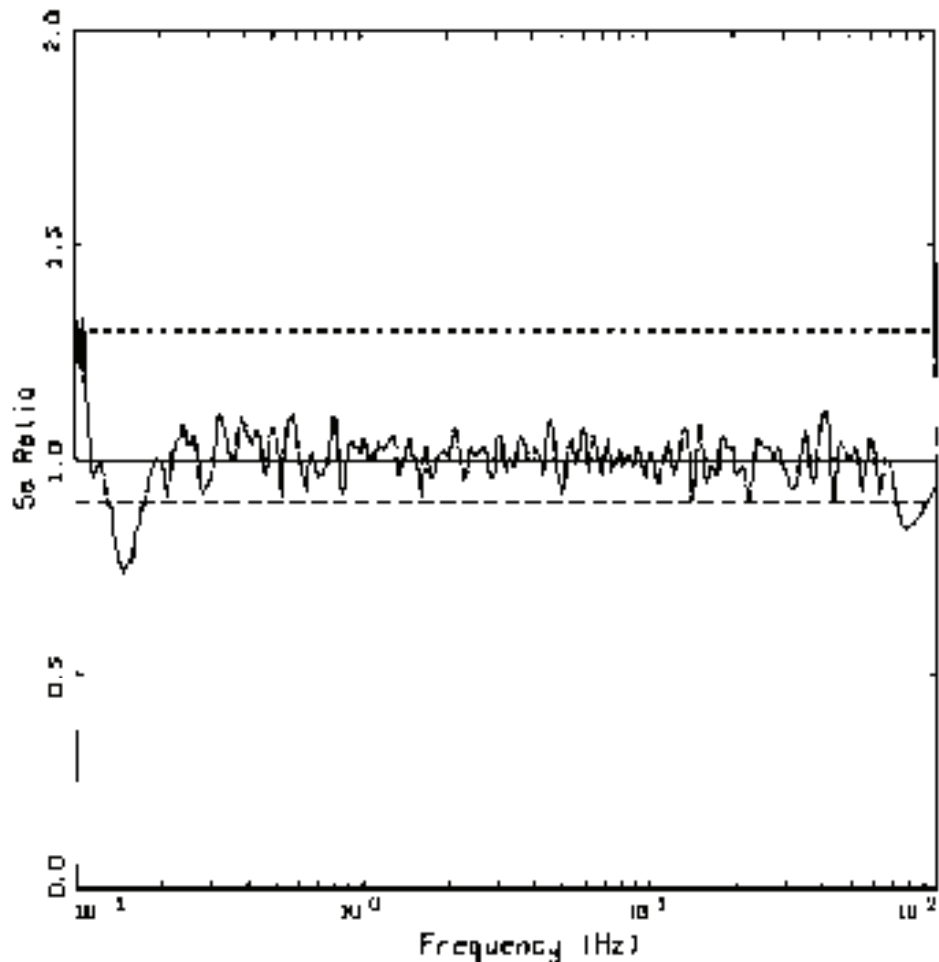
HORIZONTAL 1
 BASELINE CORRECTED, BRUCE MS.25, R=10KM, 690M

LEGEND
 ——— TARGET; PGA = 0.477 g
 - - - - - S 2, SPECTRA NARROW; PGA = 0.448 g



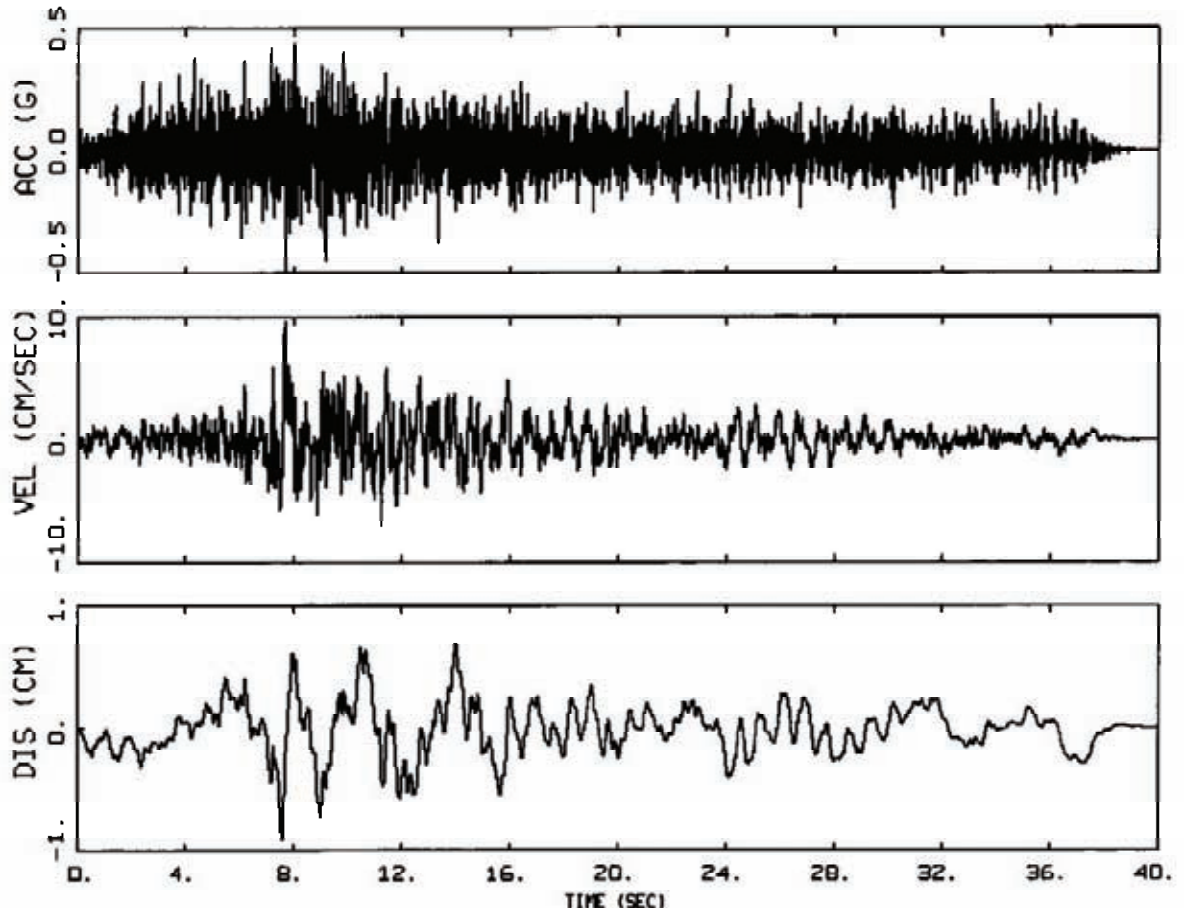
HORIZONTAL 1
 BASELINE CORRECTED, BRIDGE MS.25, R=20KM, 68UM

LEGEND
 - - - - TARGET: PGA = 0.177 g
 - - - - 5 % SPECTRAL RATIO: PGA = 0.148 g

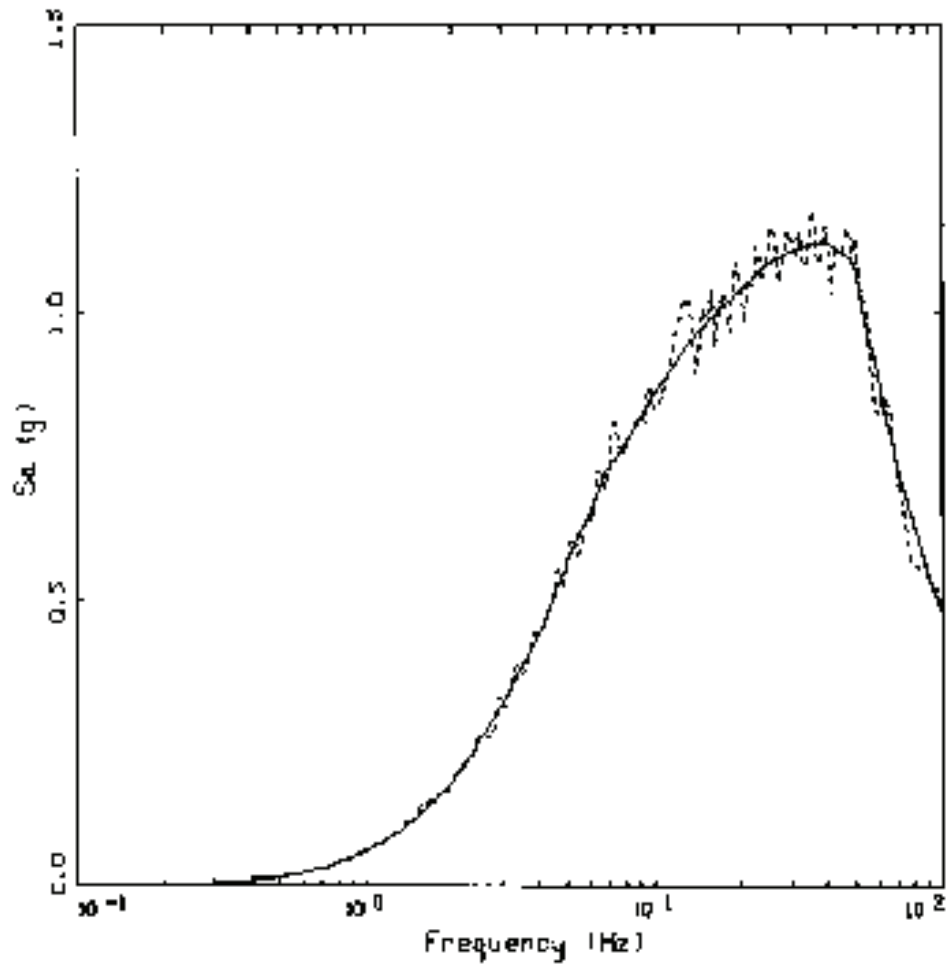


HORIZONTAL 1, BRUCE NS.25, R=10KM, 680M
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- MATCH/TARGET
 - UNITY
 - UNITY * 1.2
 - UNITY / 1.111

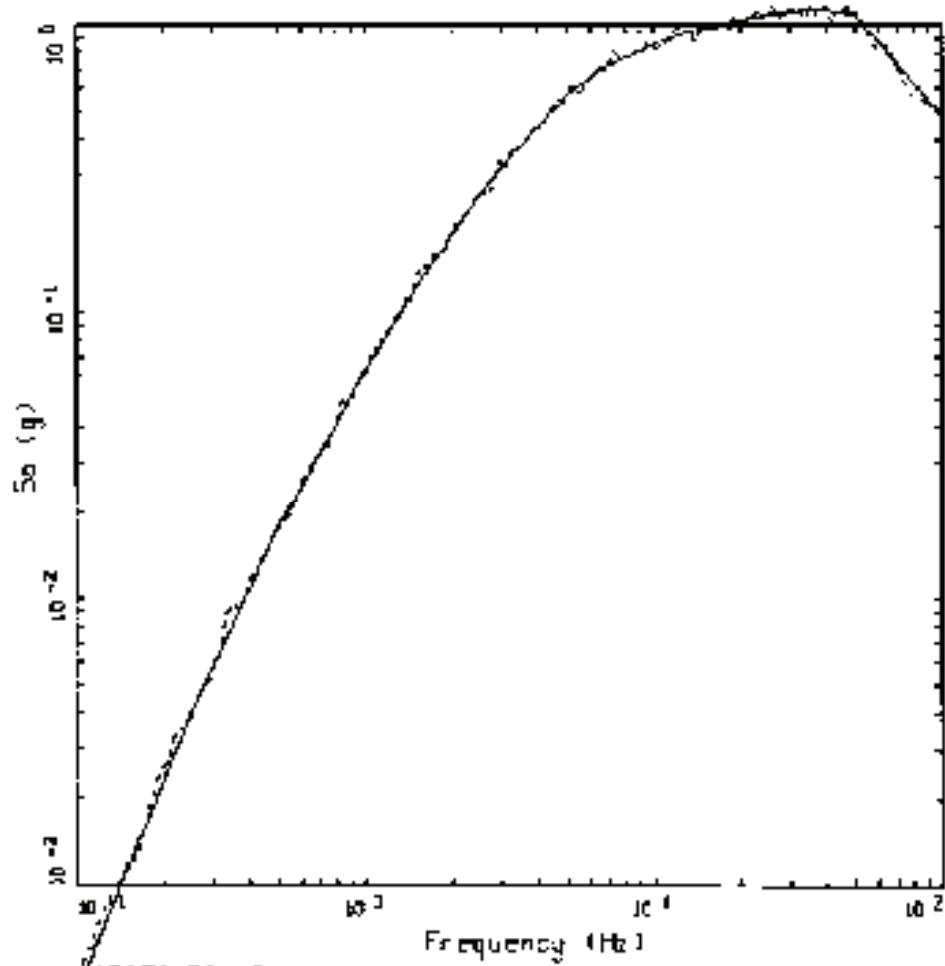


1E-06, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M5.25, R=10KM, 680M

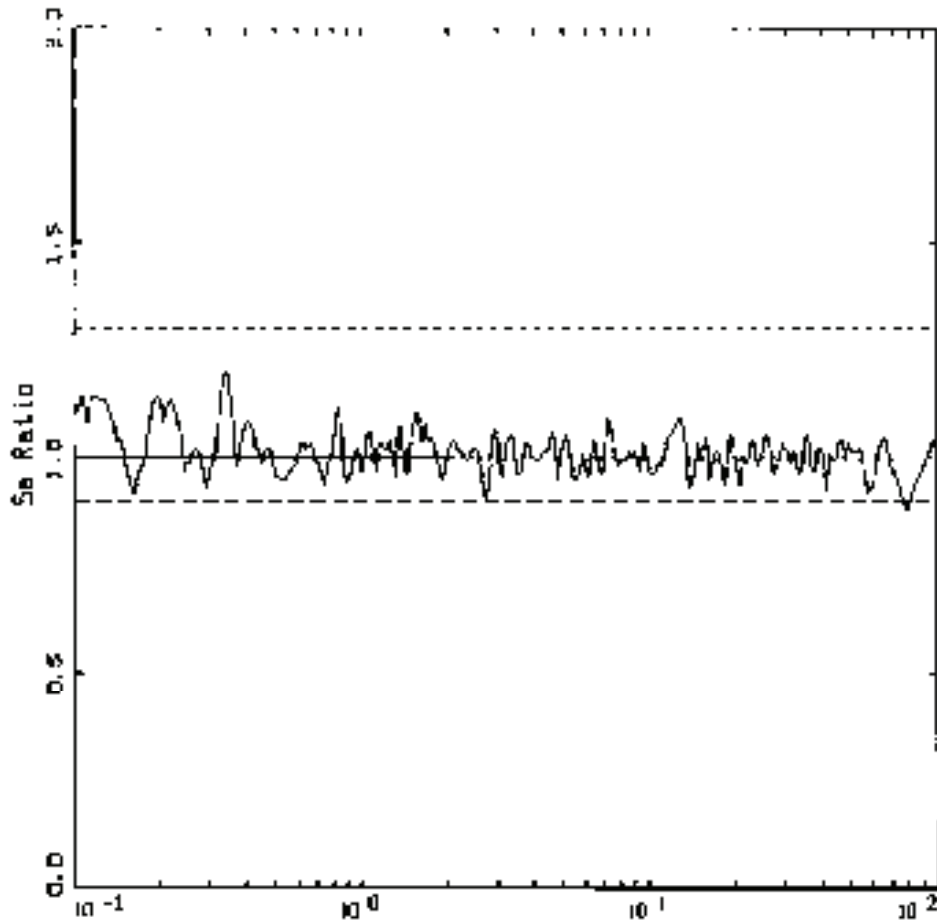


HORIZONTAL Z
 BASELINE CORRECTED, BRUCE M5.25, R=10KM, S60M

LEQD0
 ——— TARGET: PGA = 0.477 g
 - - - - - 3.2. SPECTRAL RATIO; PGA = 0.504 g

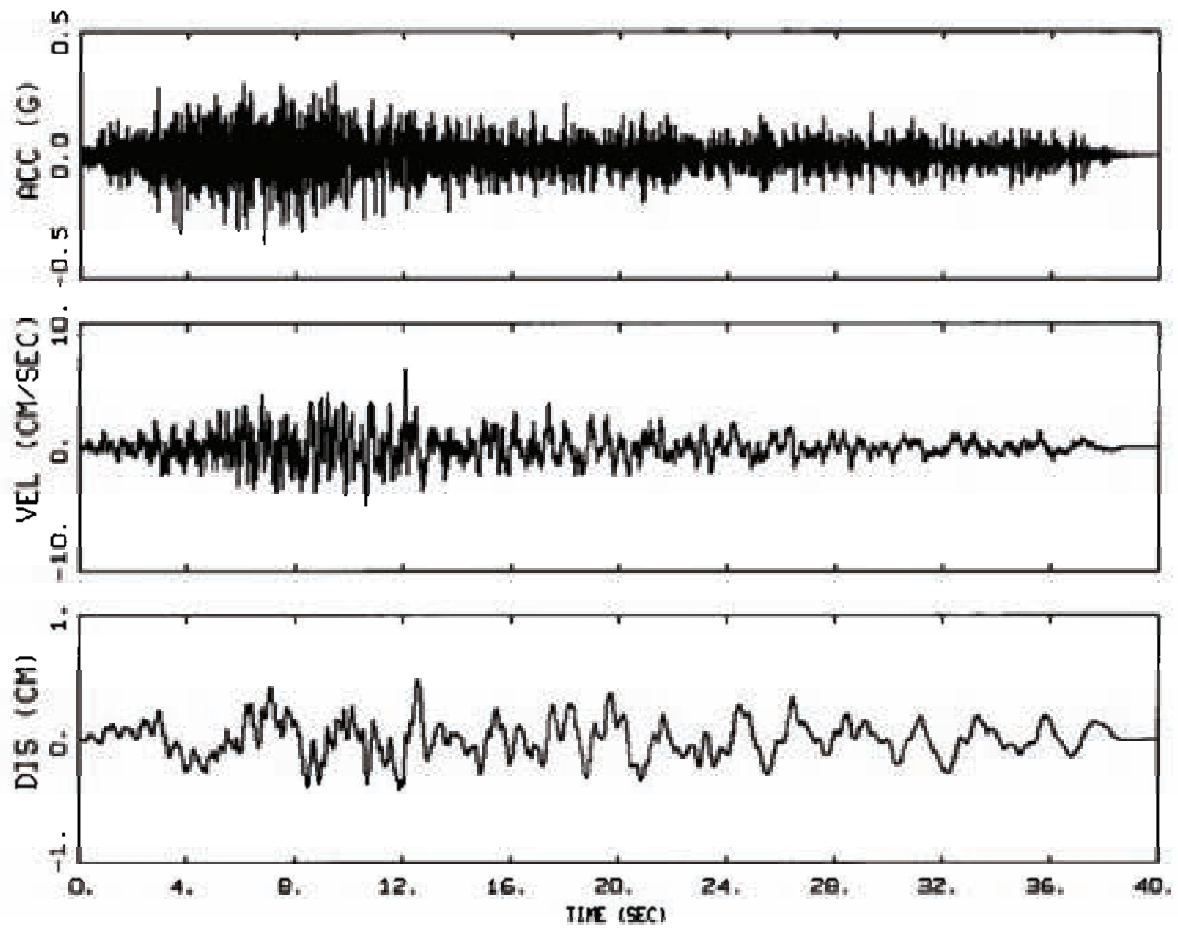


——— 1.00MD
 TARGET; PGA = 0.477 g
 - - - - - 5 % SPECTRAL MATCH; PGA = 0.504 g

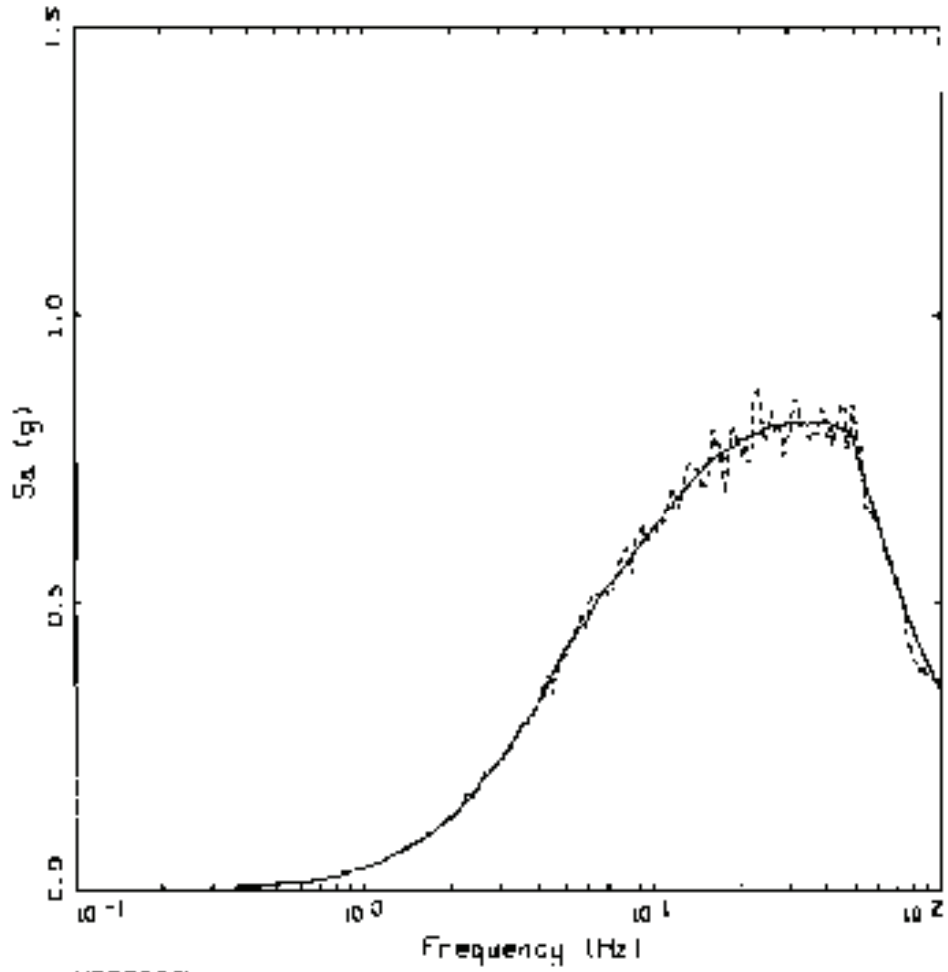


HORIZONTAL Z, BRUCE MS.25, R=100M, 680M
SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- SA RATIO: PPRQV/IRMG.1
 - . . . UNITS
 - - - UNITS * 1.2
 - - - UNITS / 1.133

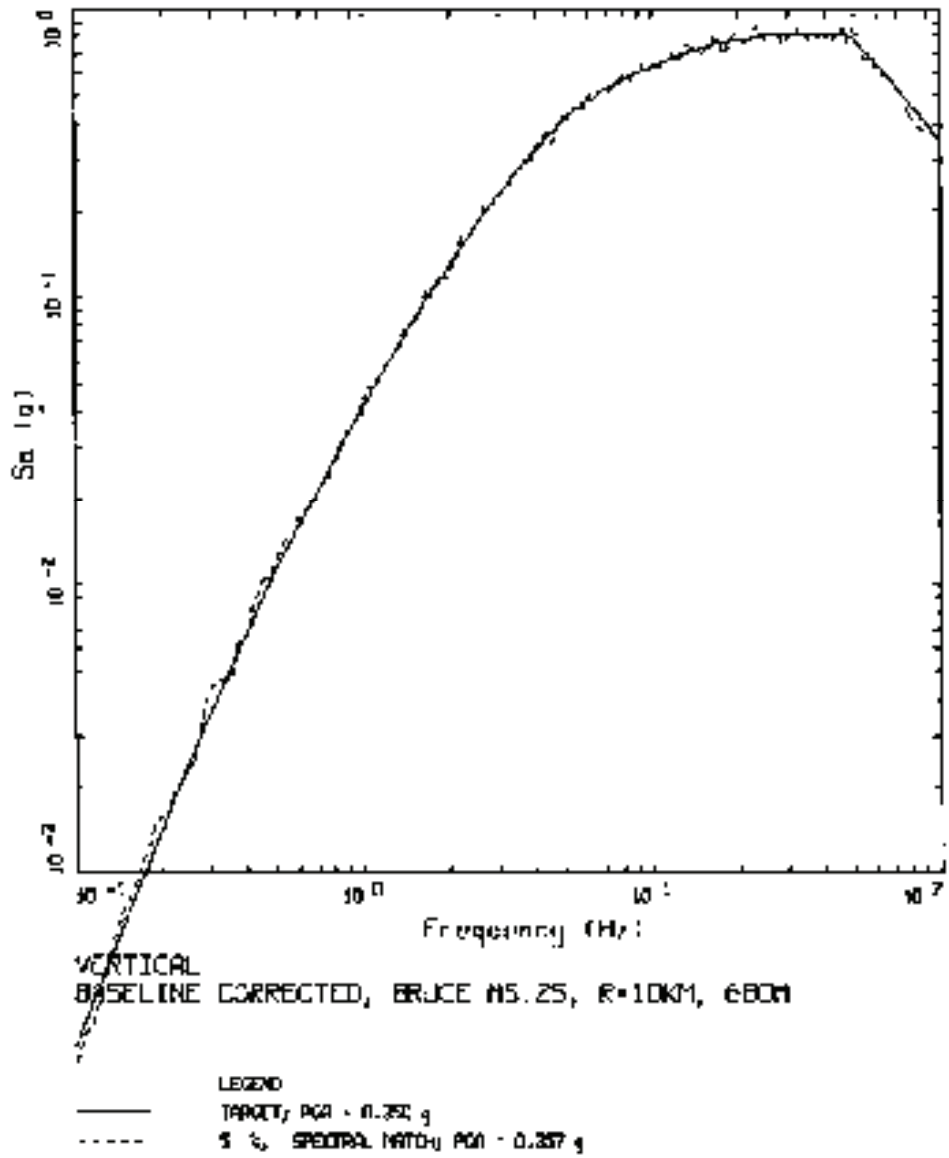


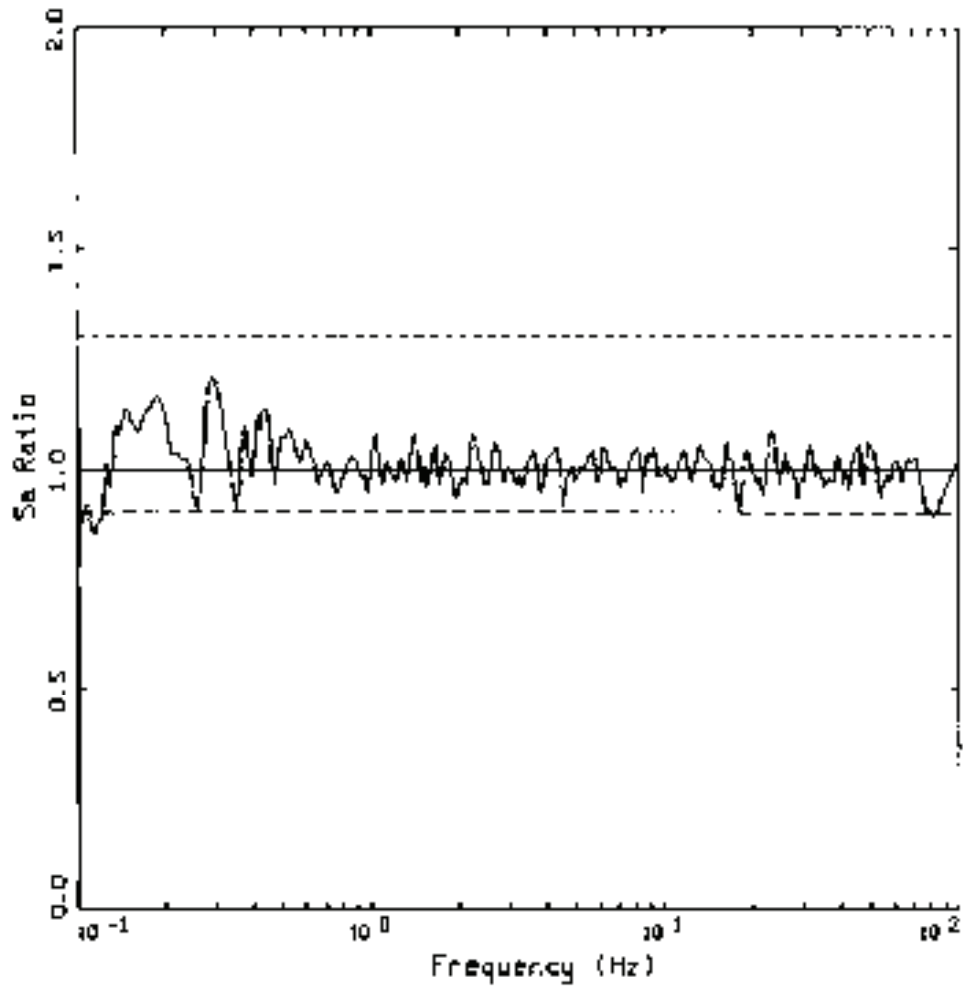
1E-06, VERTICAL
BASELINE CORRECTED, BRUCE MS.25, R=10KM, 680M



VERTICAL
 BASELINE CORRECTED, BRUCE MS.25, R=10KM, 680'

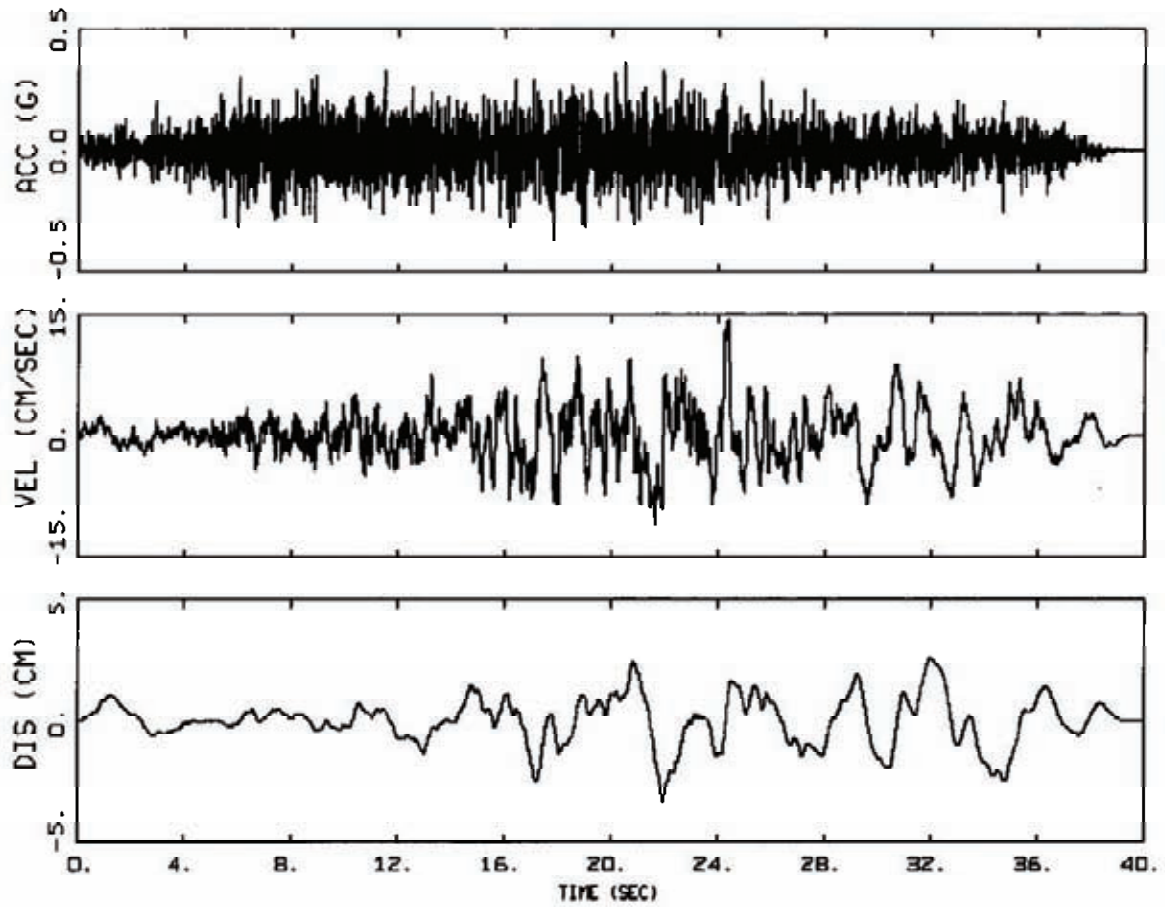
LEGEND
 ——— TARGET; PGA = 0.253 g
 - - - - - S 4; SPECTRAL MATCH; PGA = 0.257 g



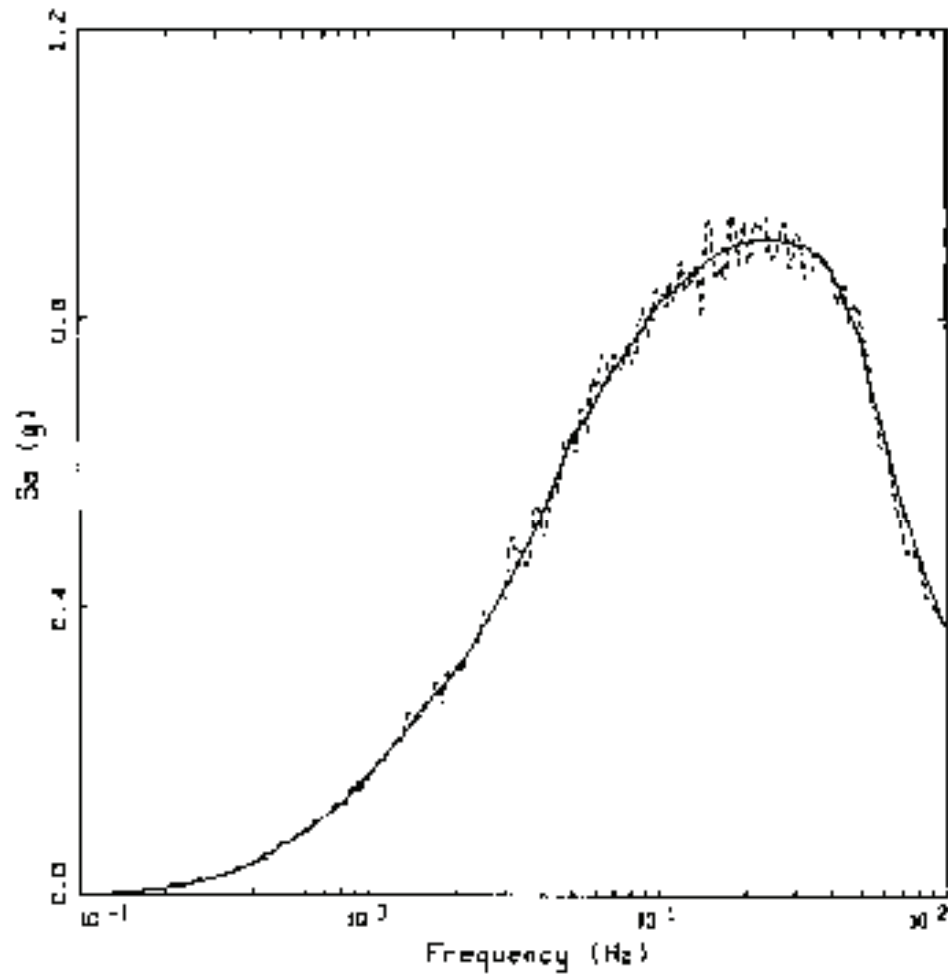


VERTICAL, BRUCE MS.25, R=10KM, 6BUN
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- Sa RATIO: MATCH/TARGET
 - UNITY
 - UNITY + 1.3
 - UNITY / 1.33

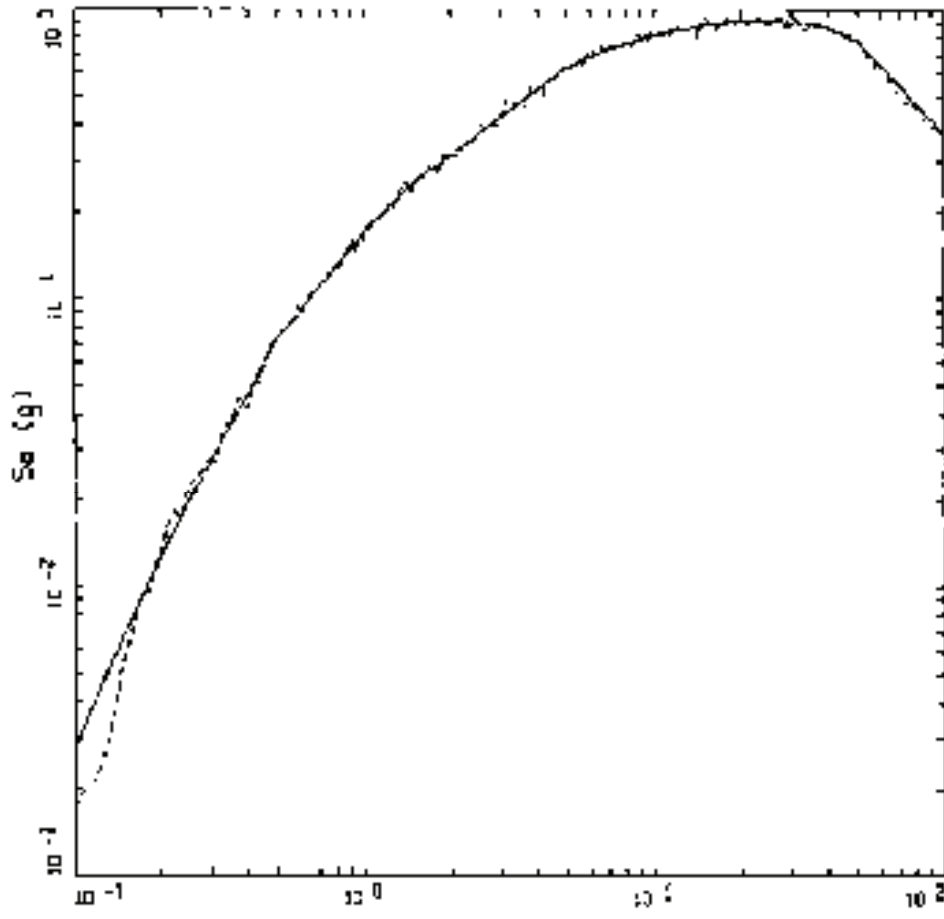


1E-06, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M6.25, R=25KM, 680M



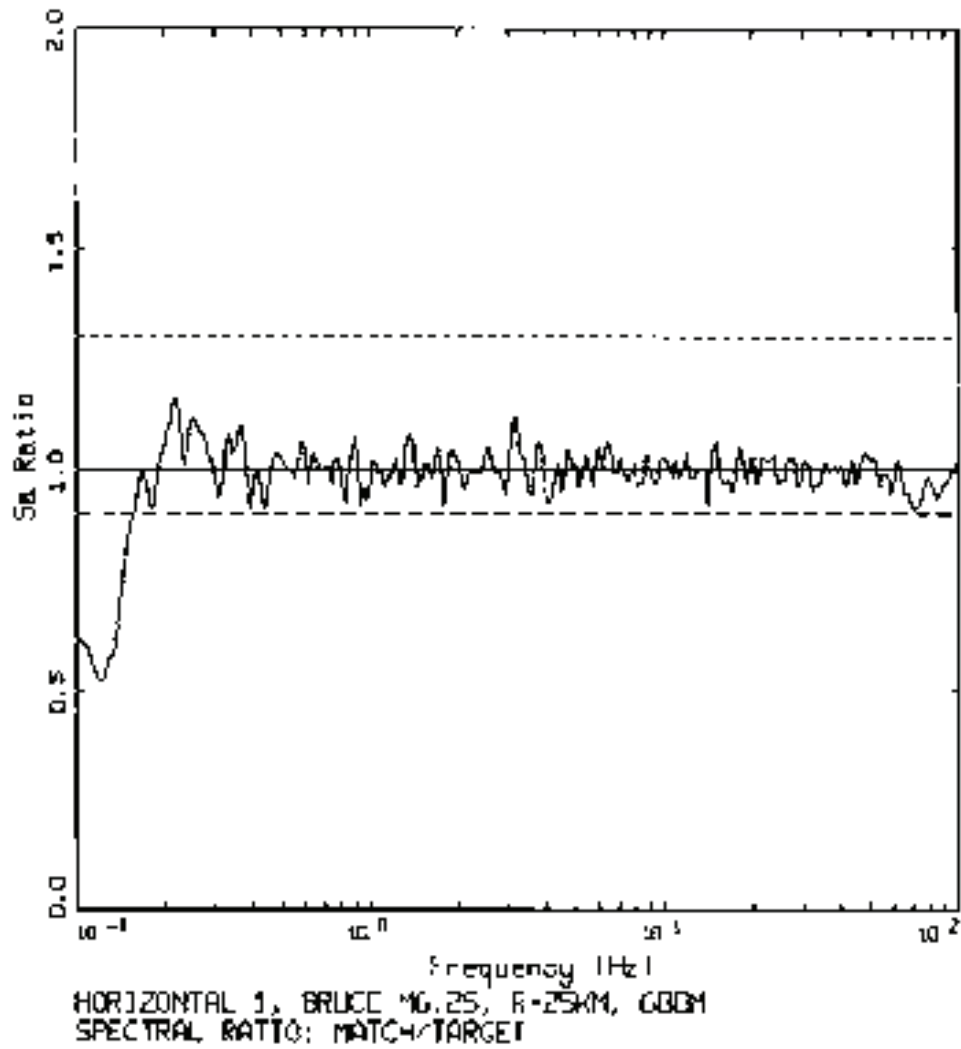
HORIZONTAL 1
BASELINE CORRECTED, BRUCE 16.25, R-25K71, 68071

LEGEND
—— TARGET: PQR = 3.369 g
- - - - 5 % SPECTRAL INFO: PQR = 0.375 g

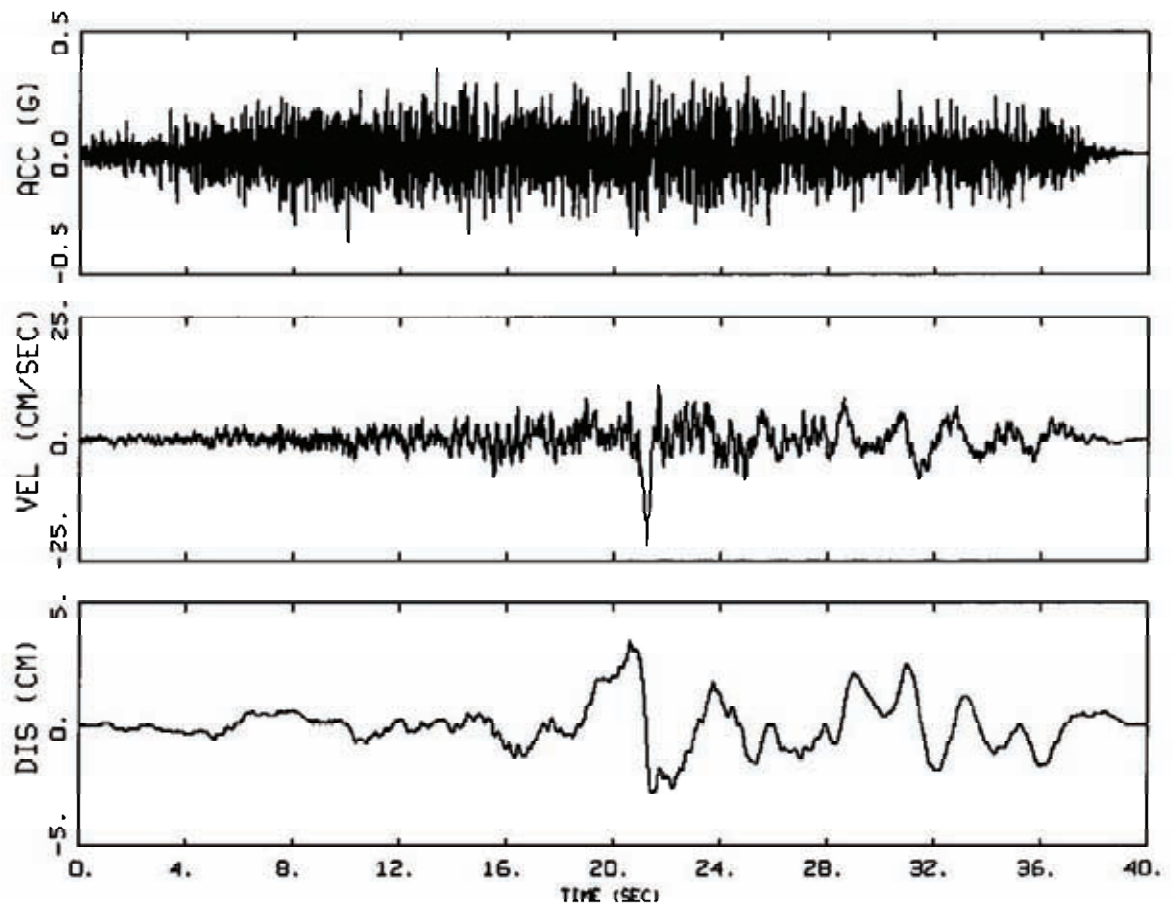


HORIZONTAL 1, BRUCE M6.25, R=25km, 680M
 BASELINE CORRECTED

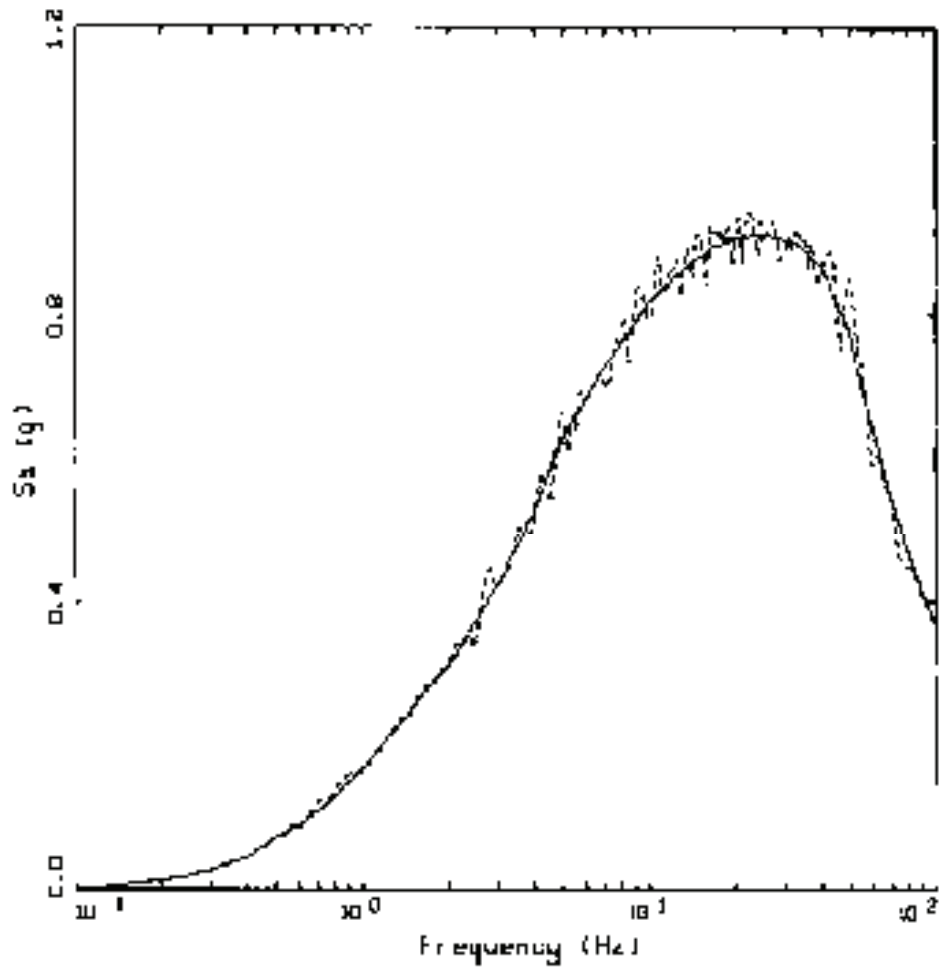
LEGEND
 ——— TARGET; PQA = 0.368 g
 - - - - - 5 % SPECTRAL MATCH; PQA = 0.375 g



- LEGEND
- SA RATIO: MATCH/TARGET
 - UNCTY
 - UNCTY ± 1.3
 - UNCTY / 1.113

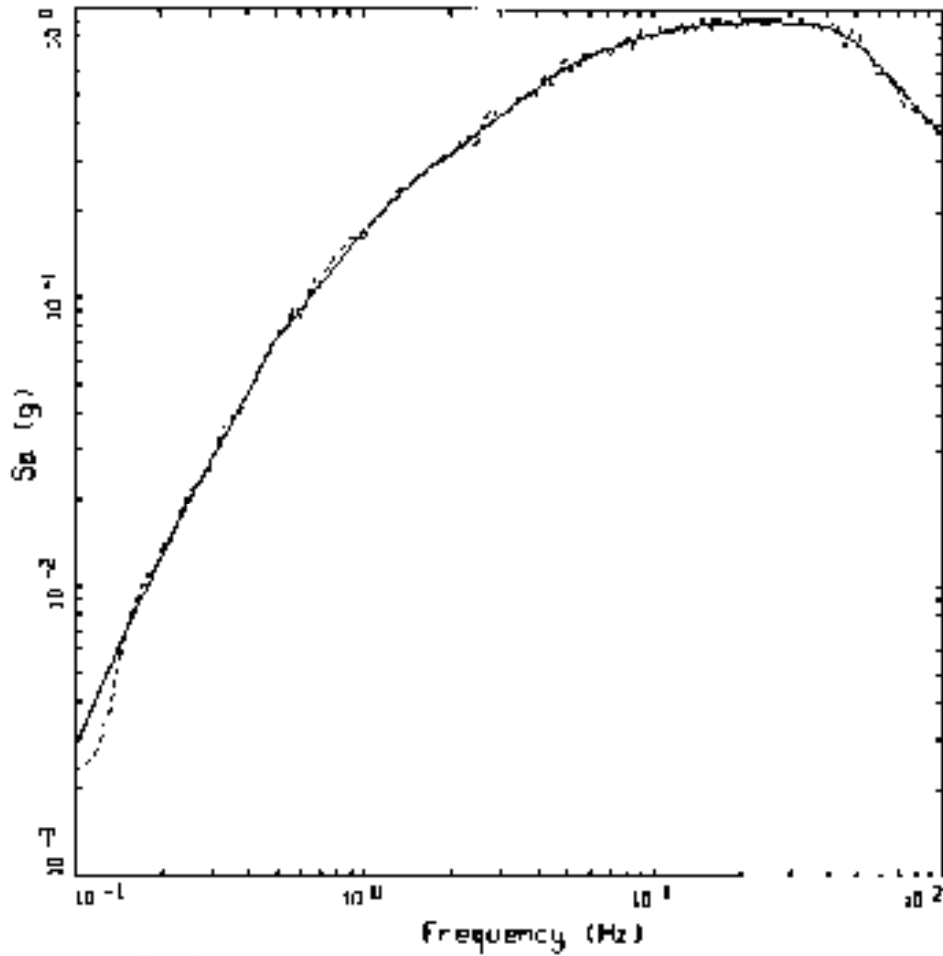


1E-06, HORIZONTAL 2
BASELINE CORRECTED, BRUCE M6.25, R=25KM, 680M



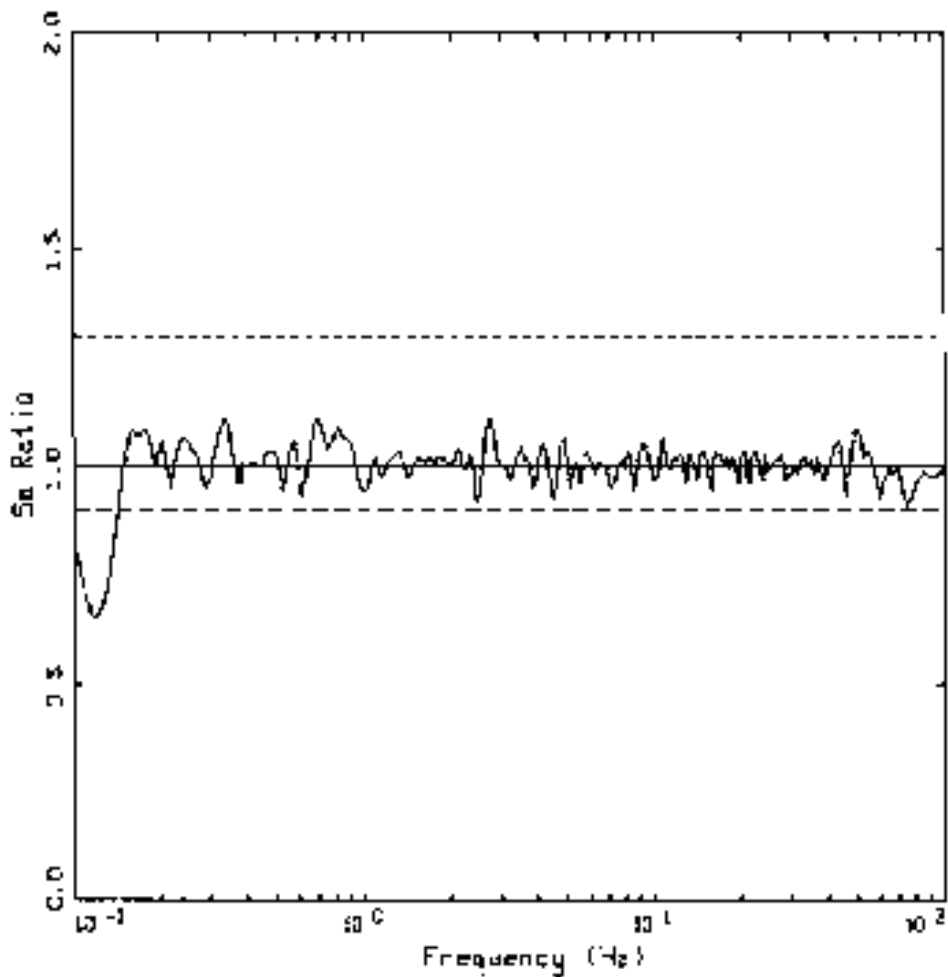
HORIZONTAL 2
 BASELINE CORRECTED, BRUCE M6.25, R=25KM, 680M

LEGEND
 ——— TARGET: PGA = 0.366 g
 - - - - - 5 % SPECTRAL MATCH: PGA = 0.266 g



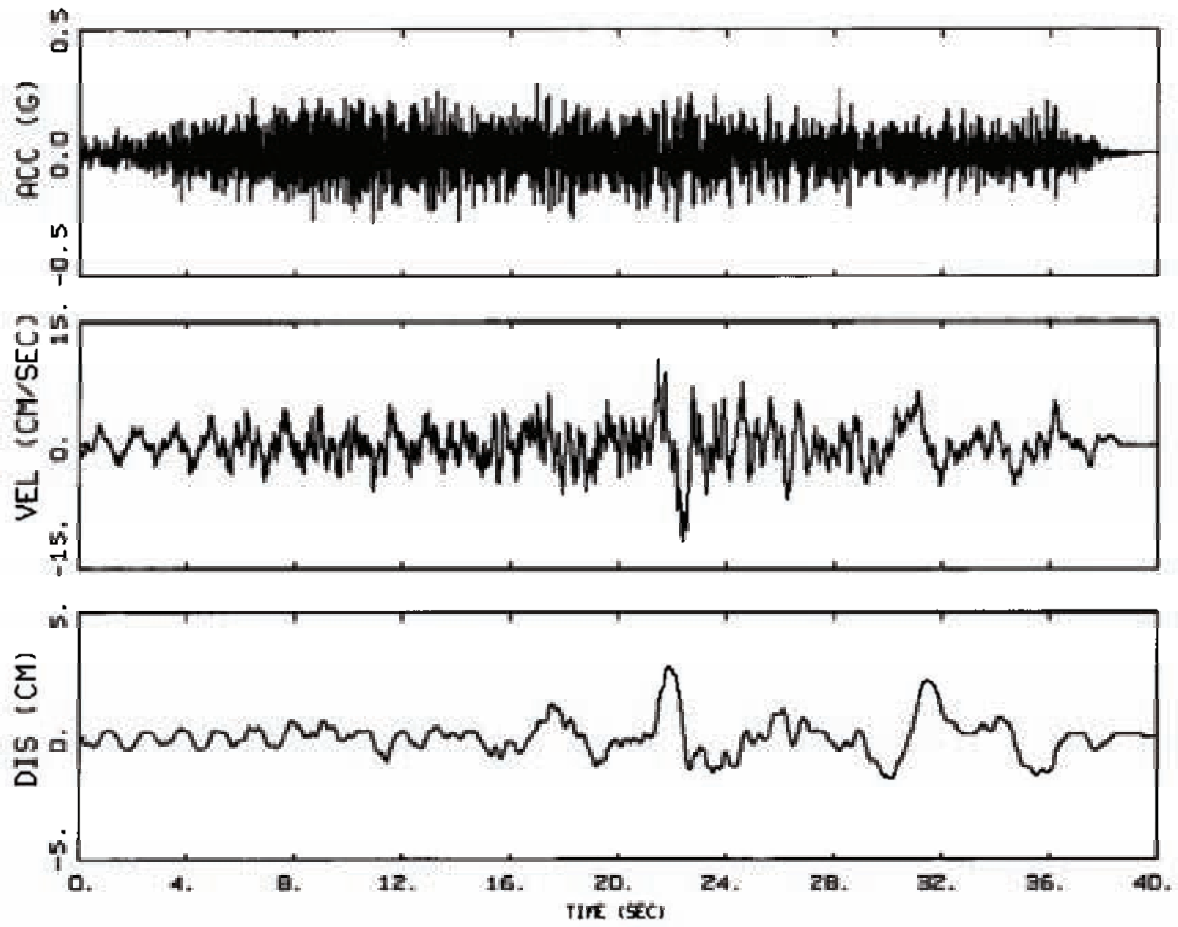
HORIZONTAL 2
 BASELINE CORRECTED, BRUJE M6.25, R=25K4, 5BCF

LEGEND
 ——— TARGET; PGA = 0.368 g
 - - - - 5 % SPECTRAL NOTCH; PGA = 0.366 g

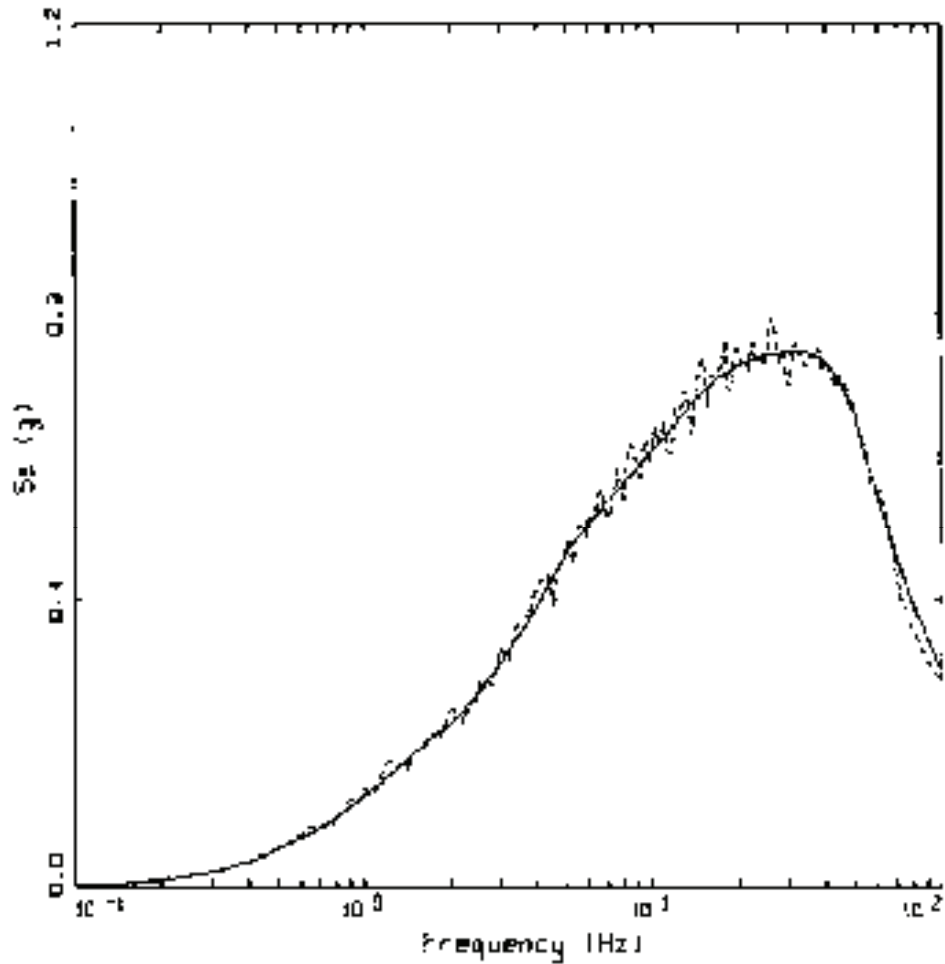


HORIZONTAL Z, BRUCE MS.25, R=25km, 690M
 SPECTRAL RATIO: MATCH/TARGET

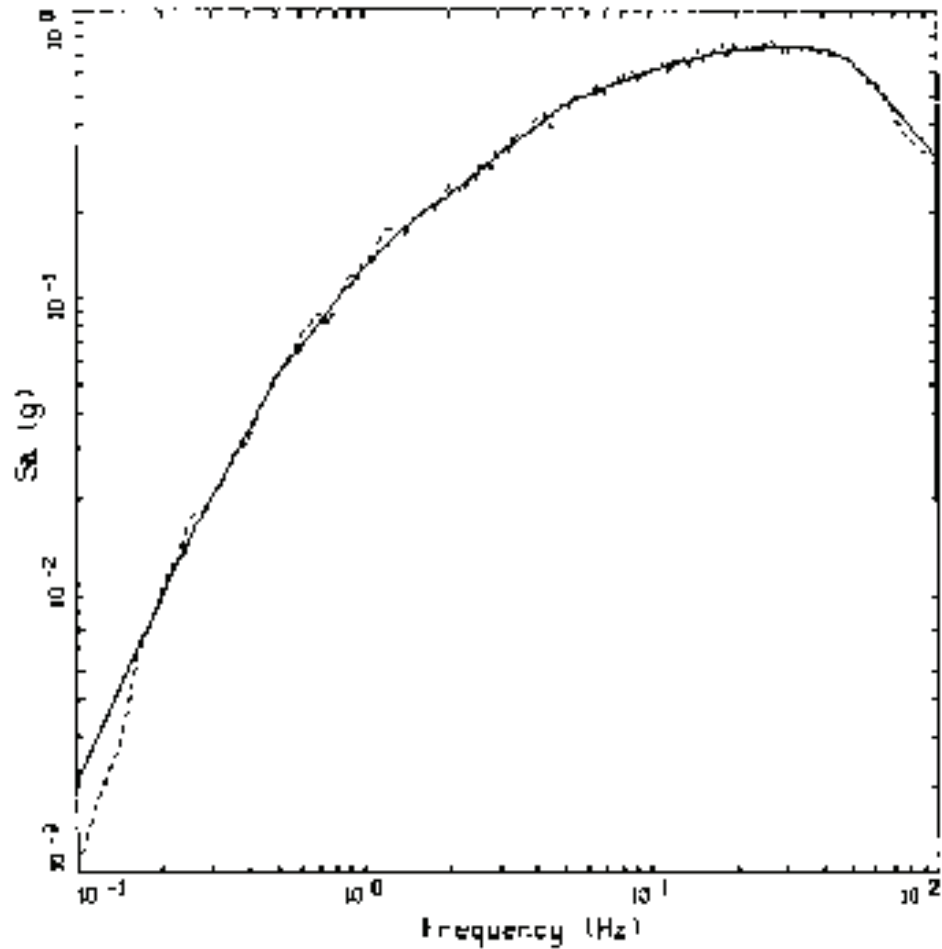
- LEGEND
- SR RATIO: MATCH/TARGET
 - UNITY
 - UNITY + 0.2
 - UNITY - 0.2



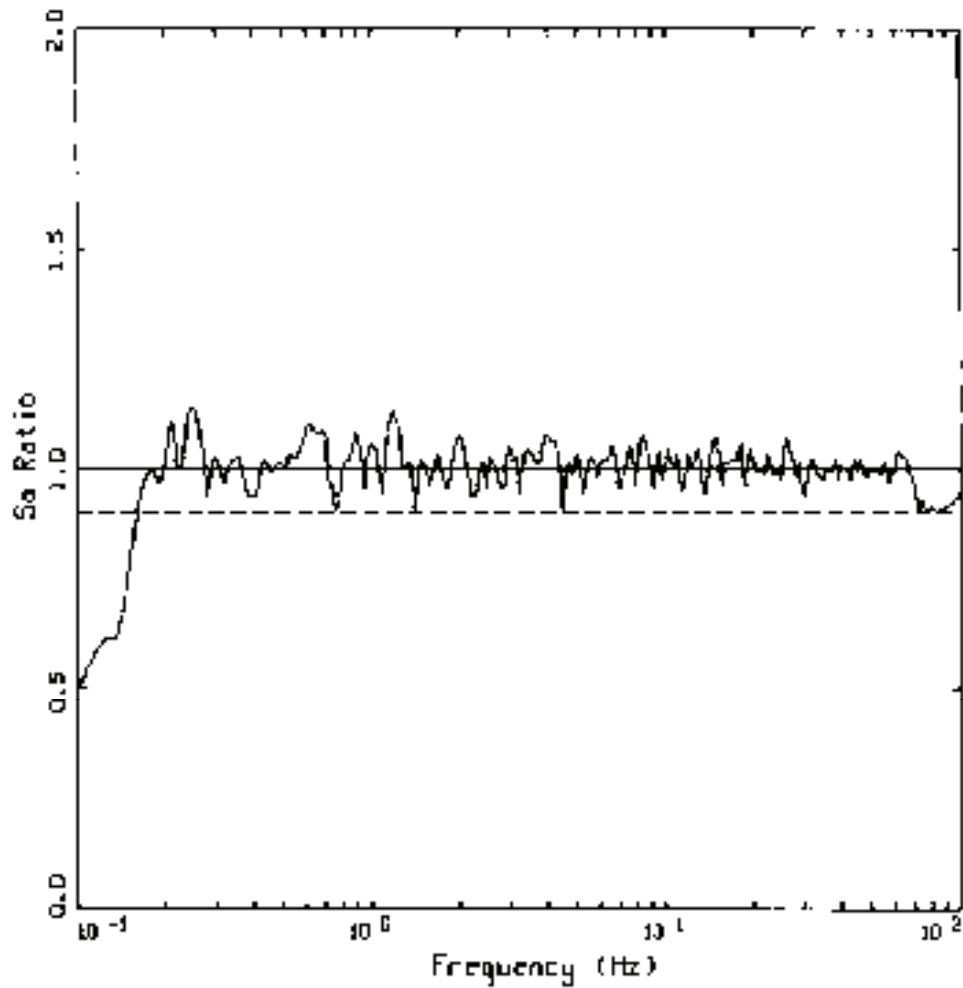
1E-06, VERTICAL
BASELINE CORRECTED, BRUCE MG.25, R=25KM, 680M



———— TARGET: PGA = 0.306 g
 S - S, SPECTRAL MATCH; PGA = 0.290 g

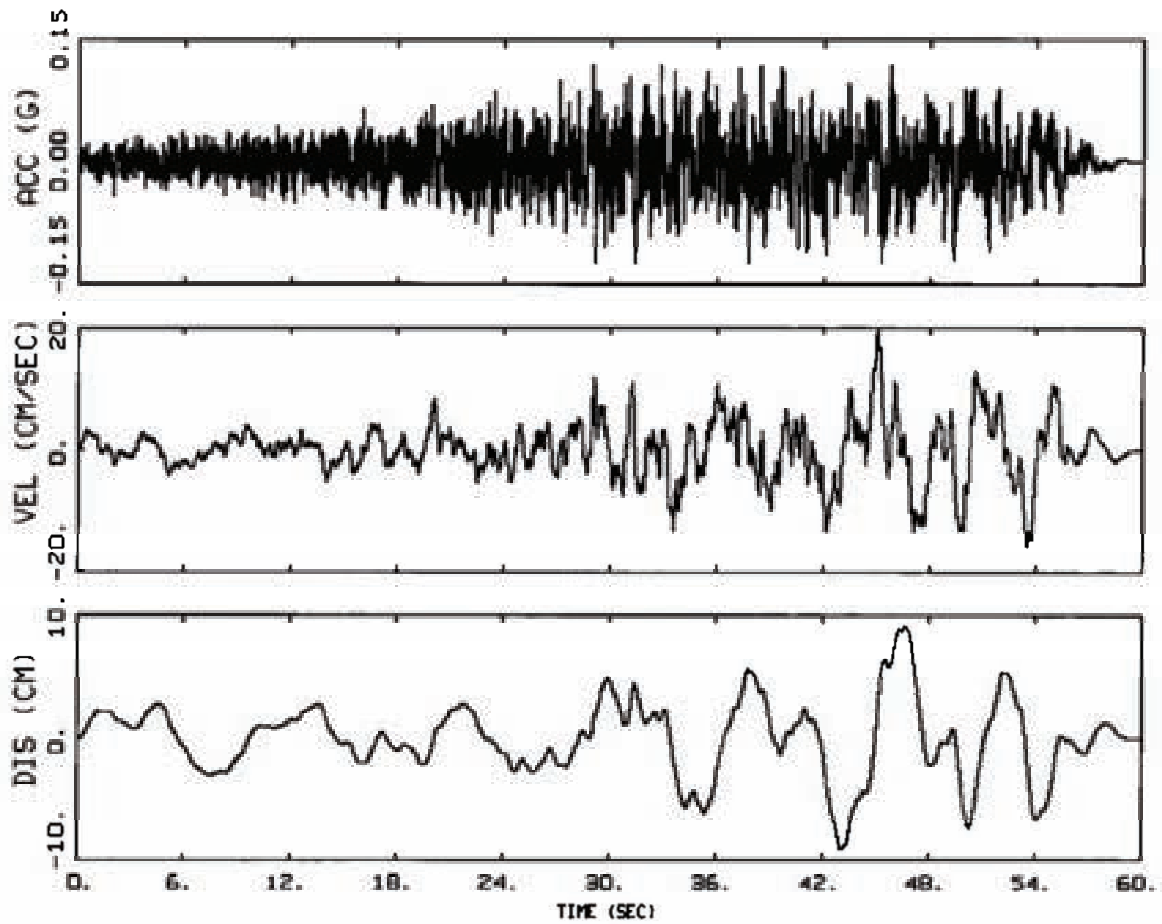
**LEGEND**

- TARGET; PGA = 0.100 g
- - - SPECIAL MATCH; PGA = 0.200 g

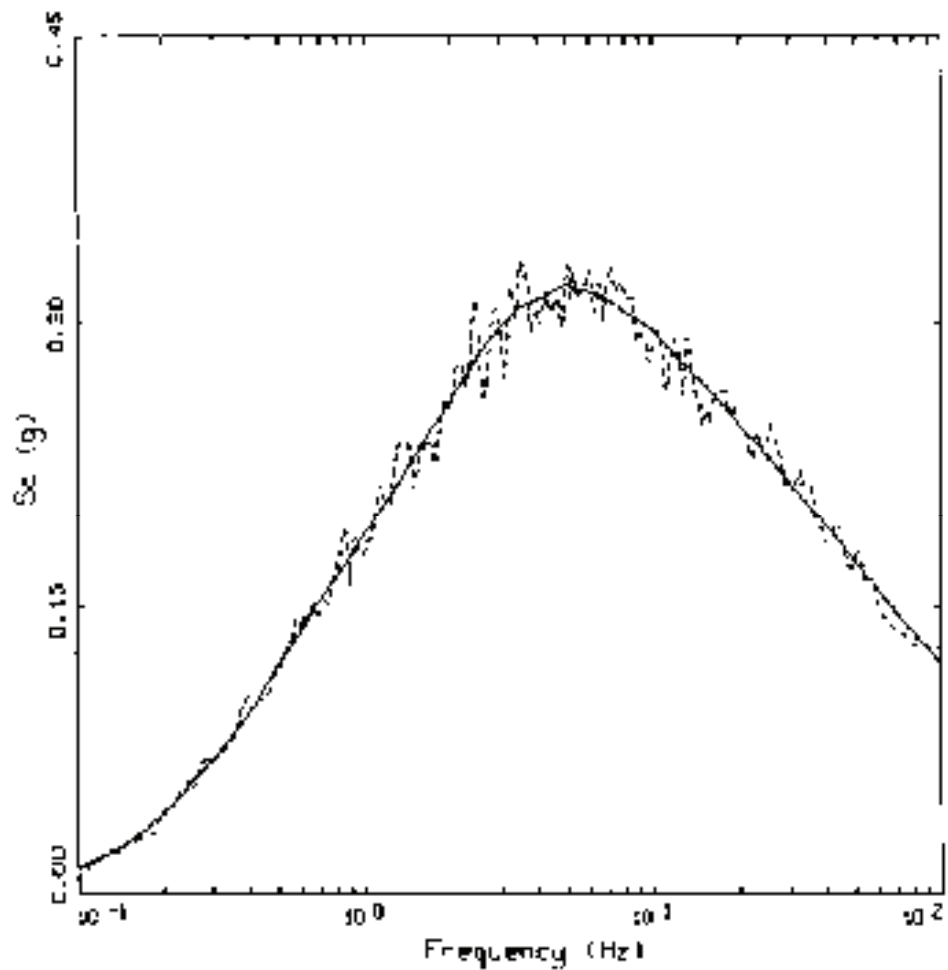


VERTICAL, BRUCE M6.25, R=25K², 680M
 SPECTRAL RATIO: MATCH/TARGET

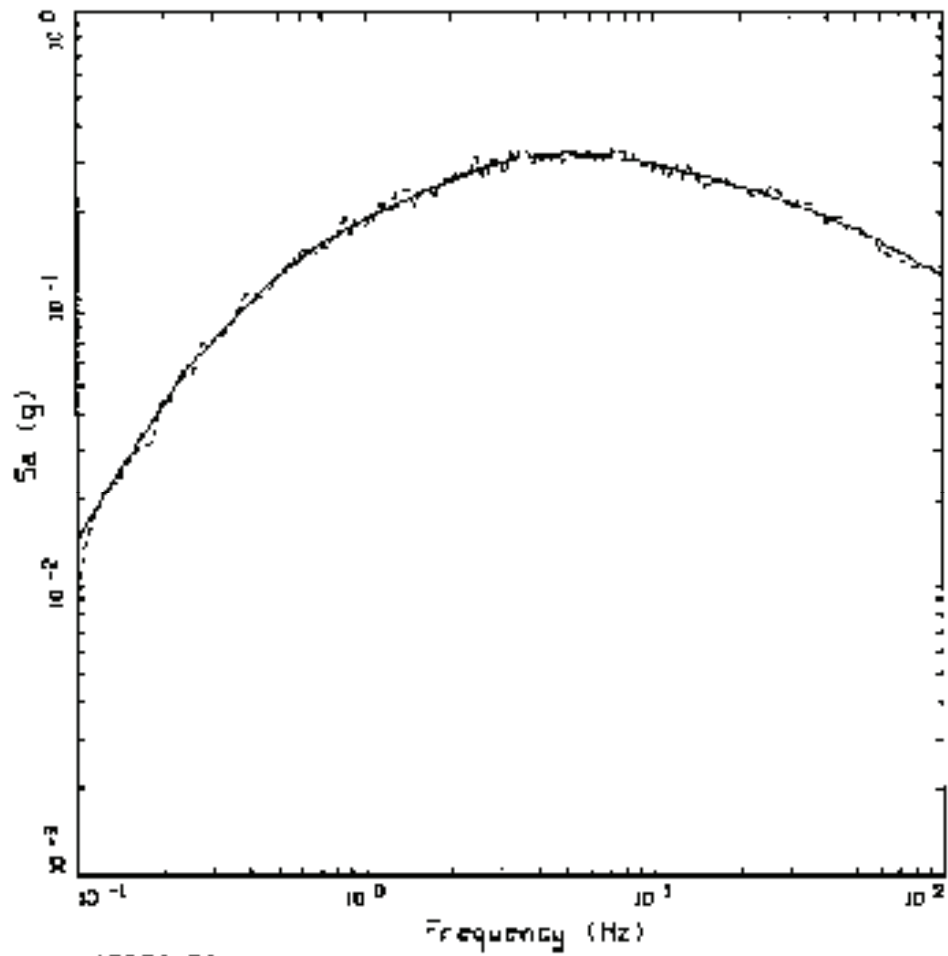
- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.2
 - .-.-.- UNITY / 1.25



1E-06, HORIZONTAL 1
BASELINE CORRECTED, BRUCE M7.4, R=200KM, 680M

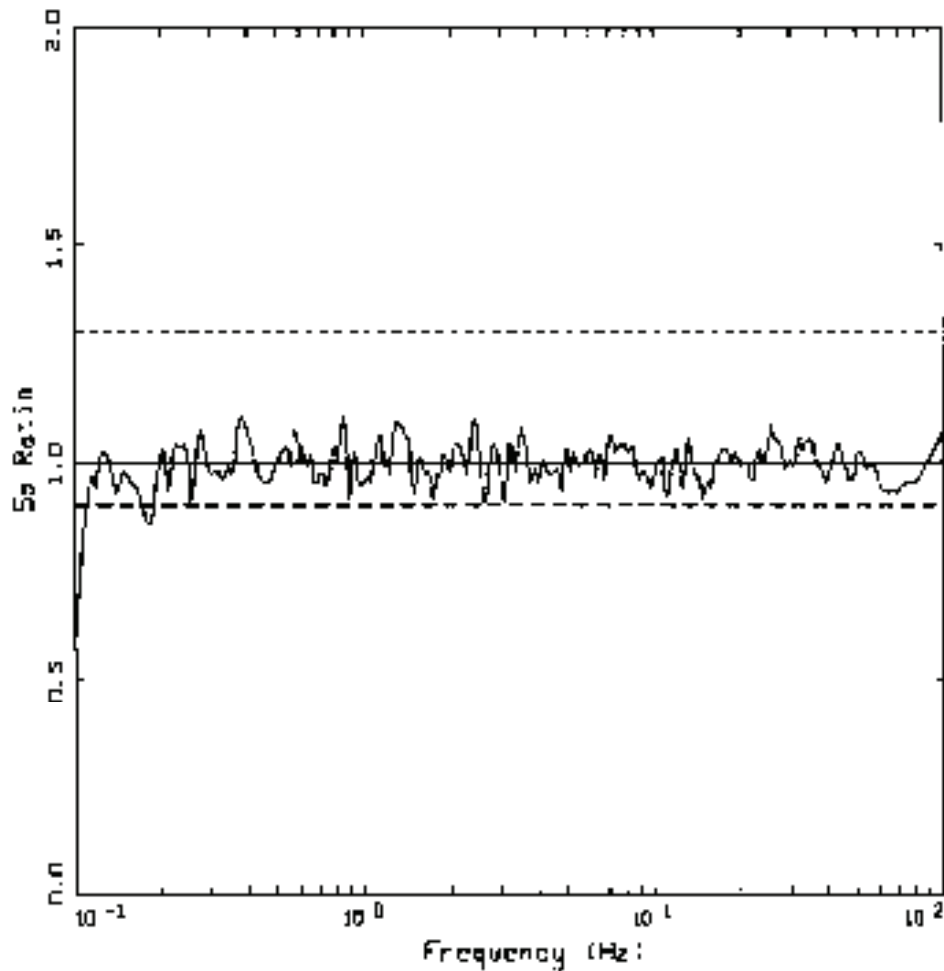


LEGEND
 ——— TARGET; PGA = 0.141 g
 - - - - - SPECTRAL ANALYSIS; PGA = 0.130 g



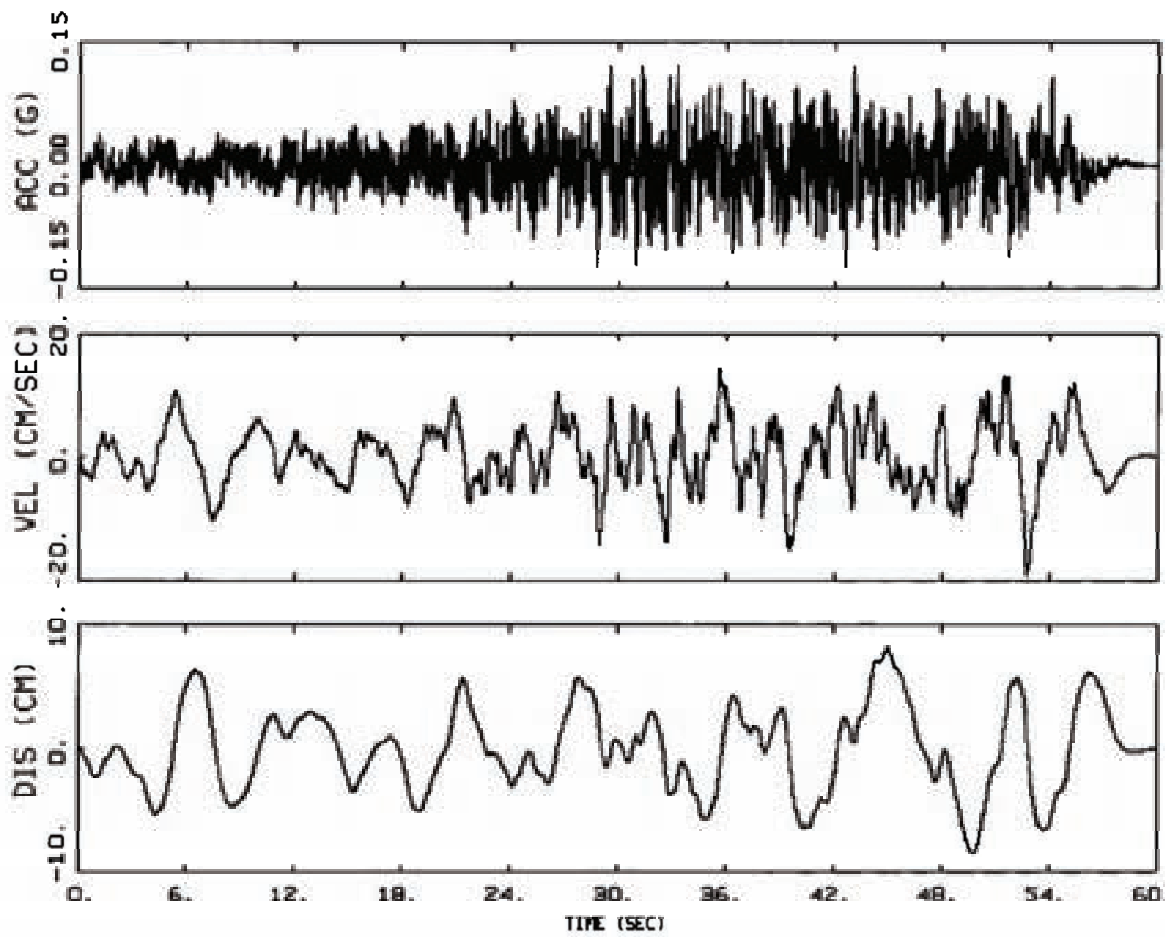
HORIZONTAL 1
 BASELINE CORRECTED, BRUCE M7.4, R=200KM, 6BOM

LEGEND
 ——— TARGET; PGA = 0.121 g
 - - - - - S. S. SPECIFIC STATION; PGA = 0.100 g

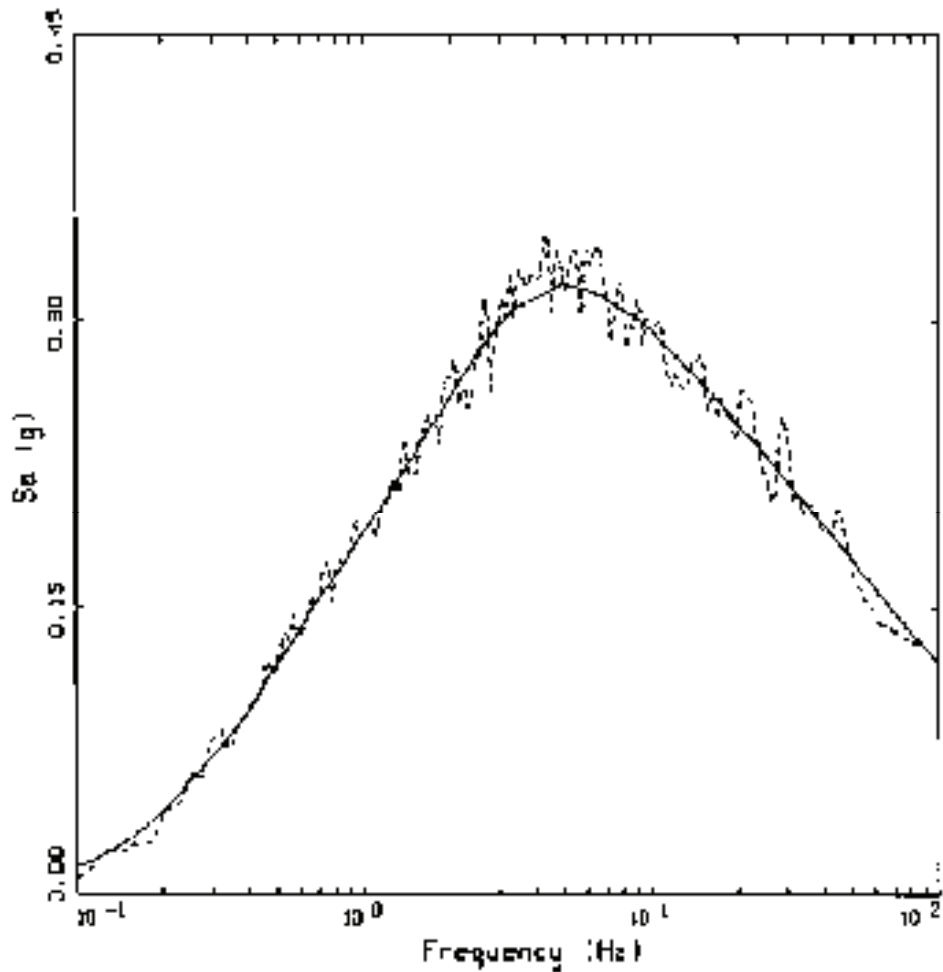


HORIZONTAL 1, BRUCE M7.4, R=250KM, 6BOM
 SPECTRAL RATIO: MATCH/TARGET

- LEGEND
- Sa Ratio: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.275

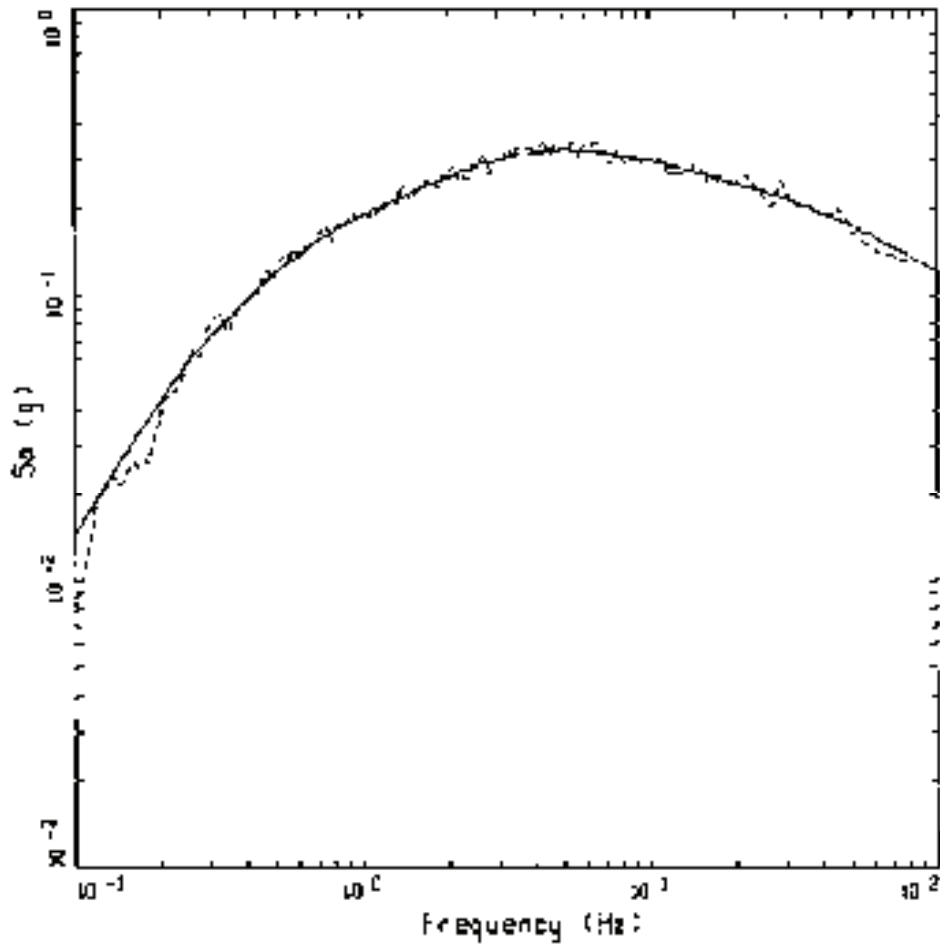


1E-06. HORIZONTAL 2
BAS

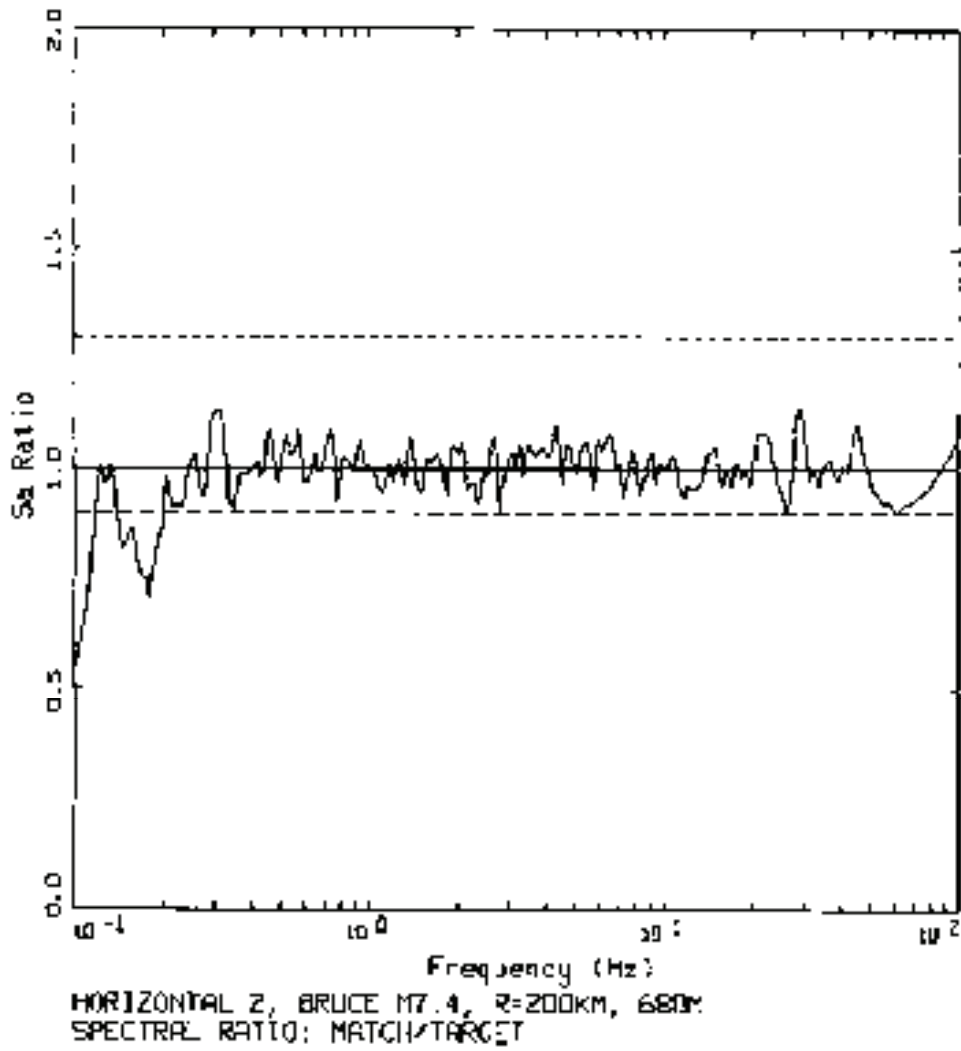


HORIZONTAL 2
 BASELINE CORRECTED, BRUDE M7.4, R-200KH, EBCM

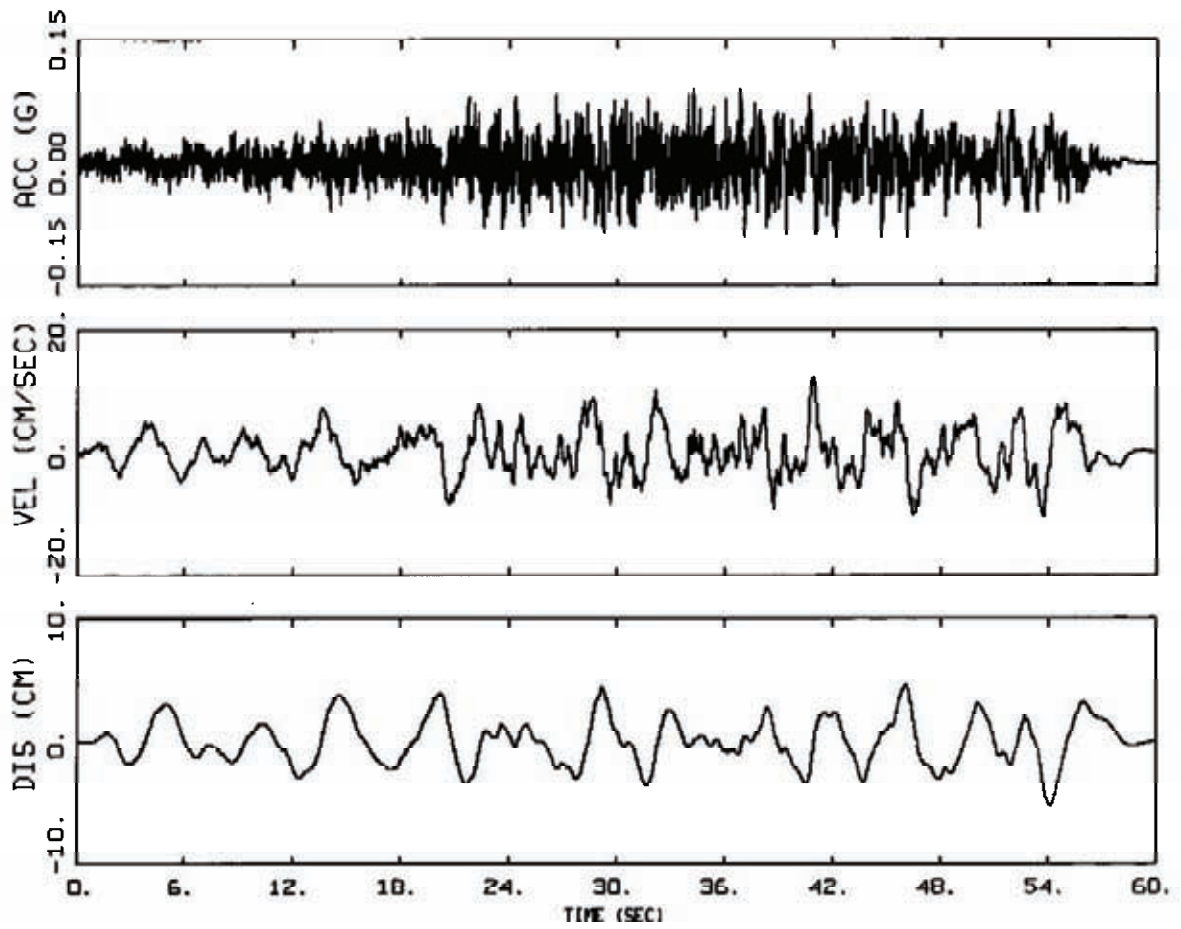
LEGEND
 ——— TARGET: PGA = 0.321 g
 - - - - - S 2, SPECTRAL METHOD: PGA = 0.333 g



LEGEND
 ——— TARGET; PGA = 0.121 g
 - - - - - 5 %_r SPECTRAL MATCH; PGA = 0.130 g

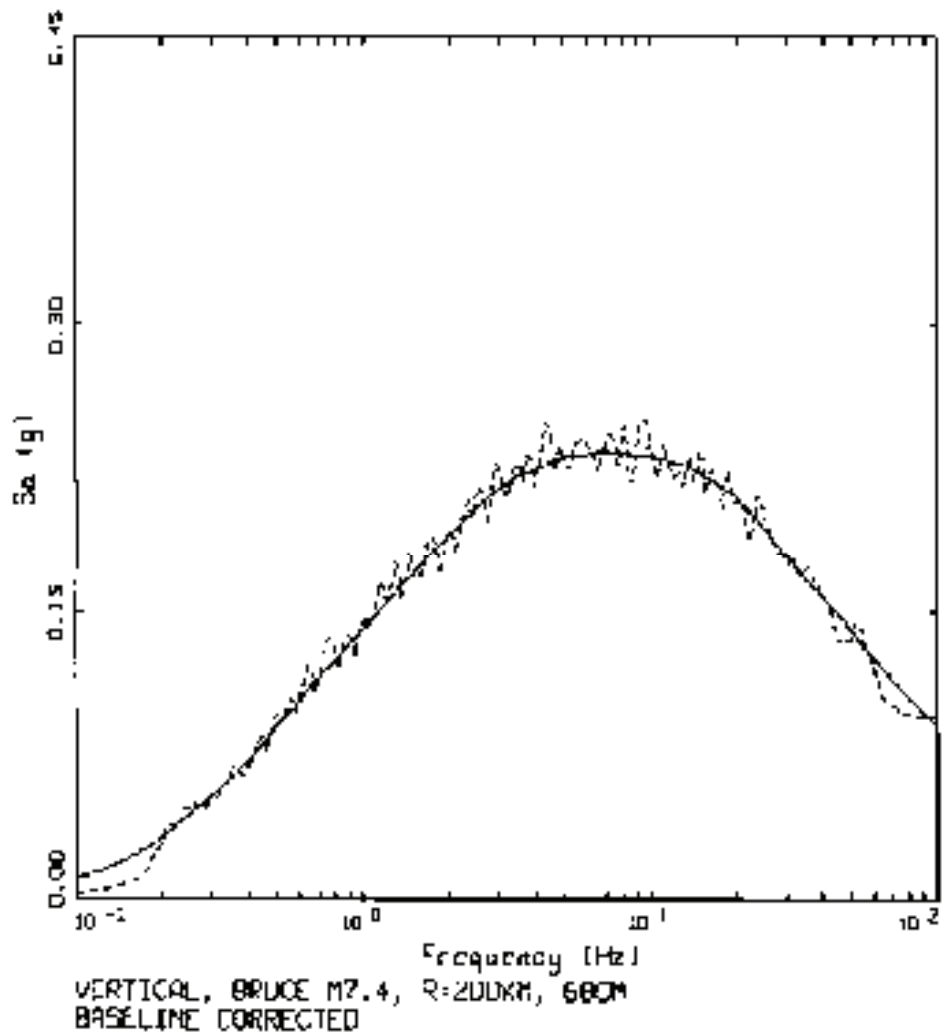


- LEGEND**
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY * 1.3
 - UNITY / 1.113

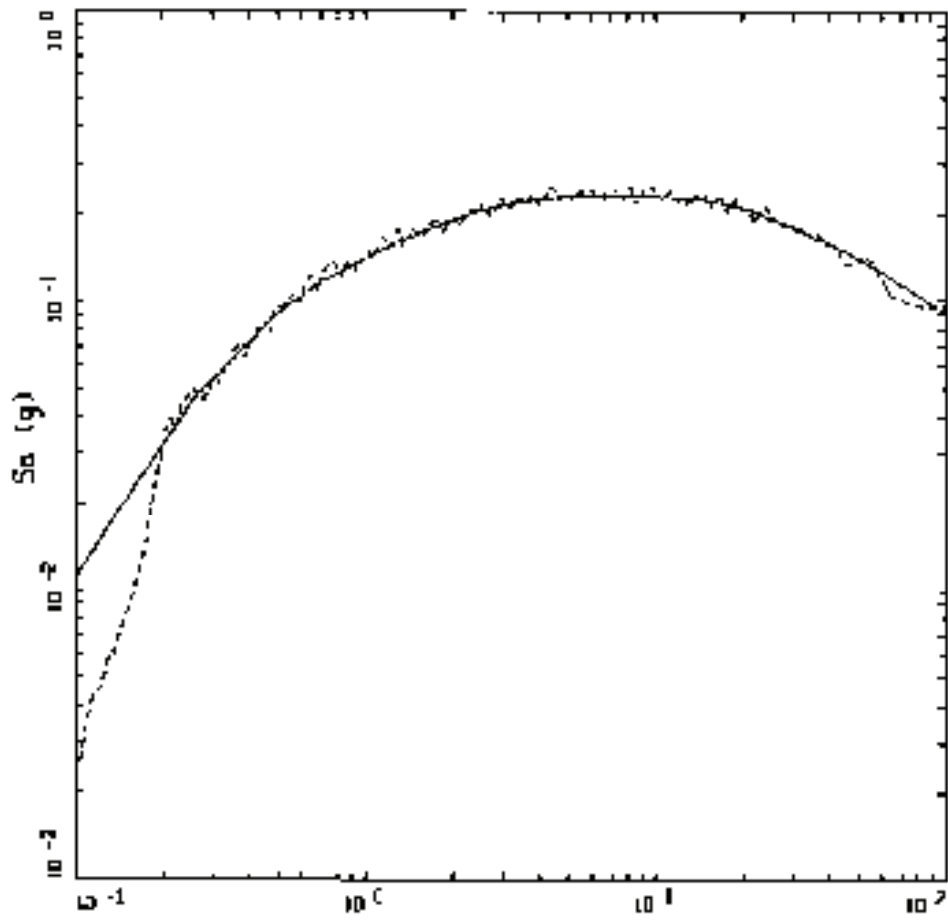


1E-06, VERTICAL

B/

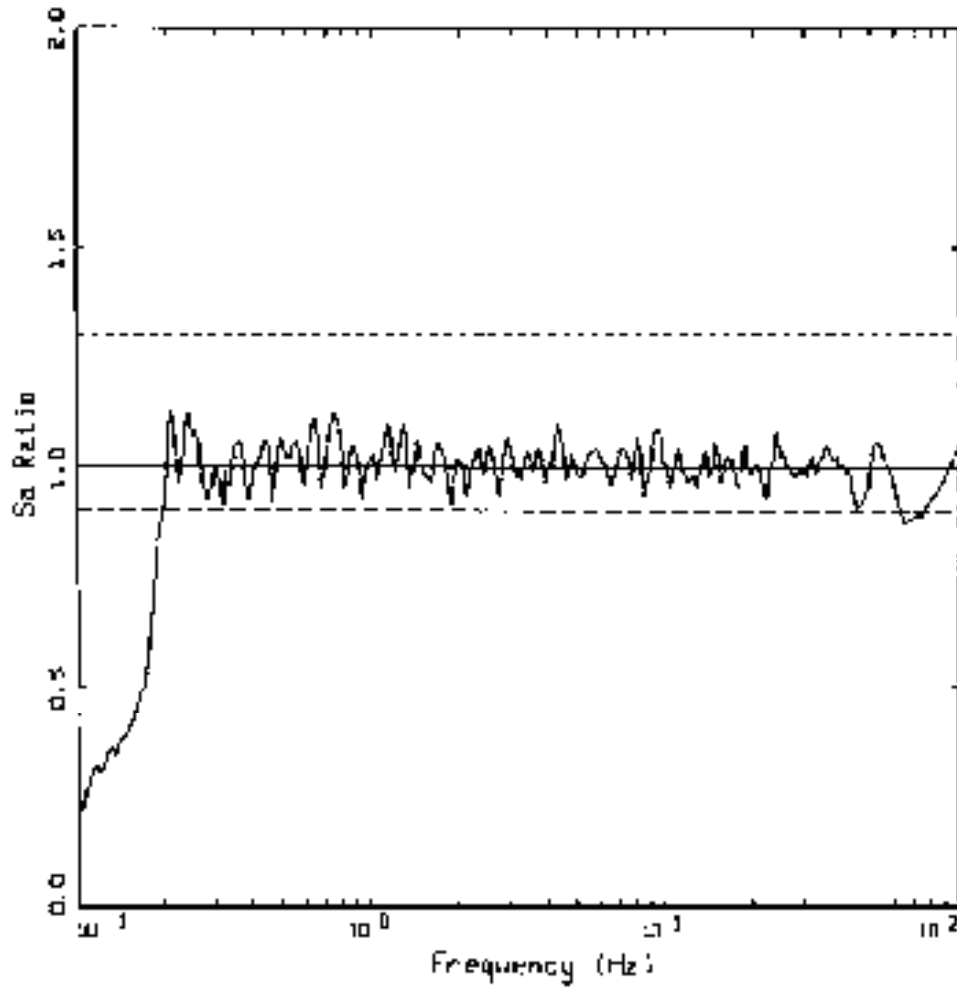


LEGEND
 ——— TARGET; PGA = 0.091 g
 - - - - - 5% SPECTRAL MATCH; PGA = 0.095 g



VERTICAL, STRIKE M7.4, R=200KM, GBCN
BASELINE CORRECTED

LEGEND
—— TARGET; PGA = 0.091 g
----- 3% SPECTRAL RATIO; PGA = 0.055 g



- LEGEND
- SA RATIO: MATCH/TARGET
 - UNITY
 - UNITY + 0.1
 - UNITY - 0.1