

Antelope - acceleration spectra and ground motion measurements on venus

ROMANIA - evid 33771

Date Time Lat Lon Depth ml orid
2018/10/28 00:38:11 45.597 26.372 150.0 5.85 34040

5 stations are exceeding the current spectral accelerations (SA) alarm level (STRUC4_LSA) of 50 mg
Processing stations with largest spectral acelerations

Stations exceedance alarm levels (percentage)

1 RO_TURN1 402.38 2 RO_BUC1 232.69 3 RO_ARCB 155.76
4 RO_FOCR1 140.15 5 RO_BSTR 91.44

sta_proc chan from_to nofqs fmax SA(mg)

1. Magurele-Turn IF

TURN1_D5 HNZ 00:39:00__00:39:40 31 5.88 128.62
TURN1_D5 HNN 00:39:00__00:39:40 57 3.33 251.19
TURN1_D5 HNE 00:39:00__00:39:40 52 6.67 190.09

	HNZ	HNN	HNE
sa03	251.19	251.19	98.73
sa10	51.52	51.52	27.78
sa30	3.19	3.19	2.28

	peaka(mg)	peakv(cm/sec)		
HNZ	2018301:00:39:00__00:39:40	pa	46.11	
HNN	2018301:00:39:00__00:39:40	pa	89.49	
HNE	2018301:00:39:00__00:39:40	pa	60.45	
HNZ	2018301:00:39:00__00:39:40	pv	1.95	
HNN	2018301:00:39:00__00:39:40	pv	5.49	
HNE	2018301:00:39:00__00:39:40	pv	2.54	

2. Magurele IF

BUC1_D5 HNZ 00:39:00__00:39:40 11 5.88 73.78
BUC1_D5 HNN 00:39:00__00:39:40 49 6.25 166.34
BUC1_D5 HNE 00:39:00__00:39:40 26 5.88 95.62

	HNZ	HNN	HNE
sa03	111.70	111.70	58.03
sa10	23.03	23.03	15.17
sa30	1.59	1.59	1.27

	peaka(mg)	peakv(cm/sec)		
HNZ	2018301:00:39:00__00:39:40	pa	16.03	
HNN	2018301:00:39:00__00:39:40	pa	50.48	
HNE	2018301:00:39:00__00:39:40	pa	29.86	
HNZ	2018301:00:39:00__00:39:40	pv	0.72	
HNN	2018301:00:39:00__00:39:40	pv	2.64	
HNE	2018301:00:39:00__00:39:40	pv	2.00	

3. Arc Triumf Sector 1

ARCB_D5	HNZ	00:39:00__00:40:40	14	5.88	101.38
ARCB_D5	HNN	00:39:00__00:40:40	45	7.14	127.88
ARCB_D5	HNE	00:39:00__00:40:40	35	8.33	122.40

	HNZ	HNN	HNE
sa03	85.21	85.21	52.80
sa10	18.83	18.83	11.14
sa30	1.25	1.25	1.42

	peaka(mg)	peakv(cm/sec)		
HNZ	2018301:00:39:00__00:39:40	pa	20.84	
HNN	2018301:00:39:00__00:39:40	pa	54.90	
HNE	2018301:00:39:00__00:39:40	pa	43.34	
HNZ	2018301:00:39:00__00:39:40	pv	0.83	
HNN	2018301:00:39:00__00:39:40	pv	2.12	
HNE	2018301:00:39:00__00:39:40	pv	1.78	

4. Focsani VN

FOCR1_D5	HNN	00:39:00__00:40:40	23	3.33	91.95
FOCR1_D5	HNE	00:39:00__00:40:40	28	3.33	120.07

	HNZ	HNN	HNE
sa03	91.95	91.95	120.07
sa10	35.94	35.94	23.24
sa30	2.28	2.28	4.16

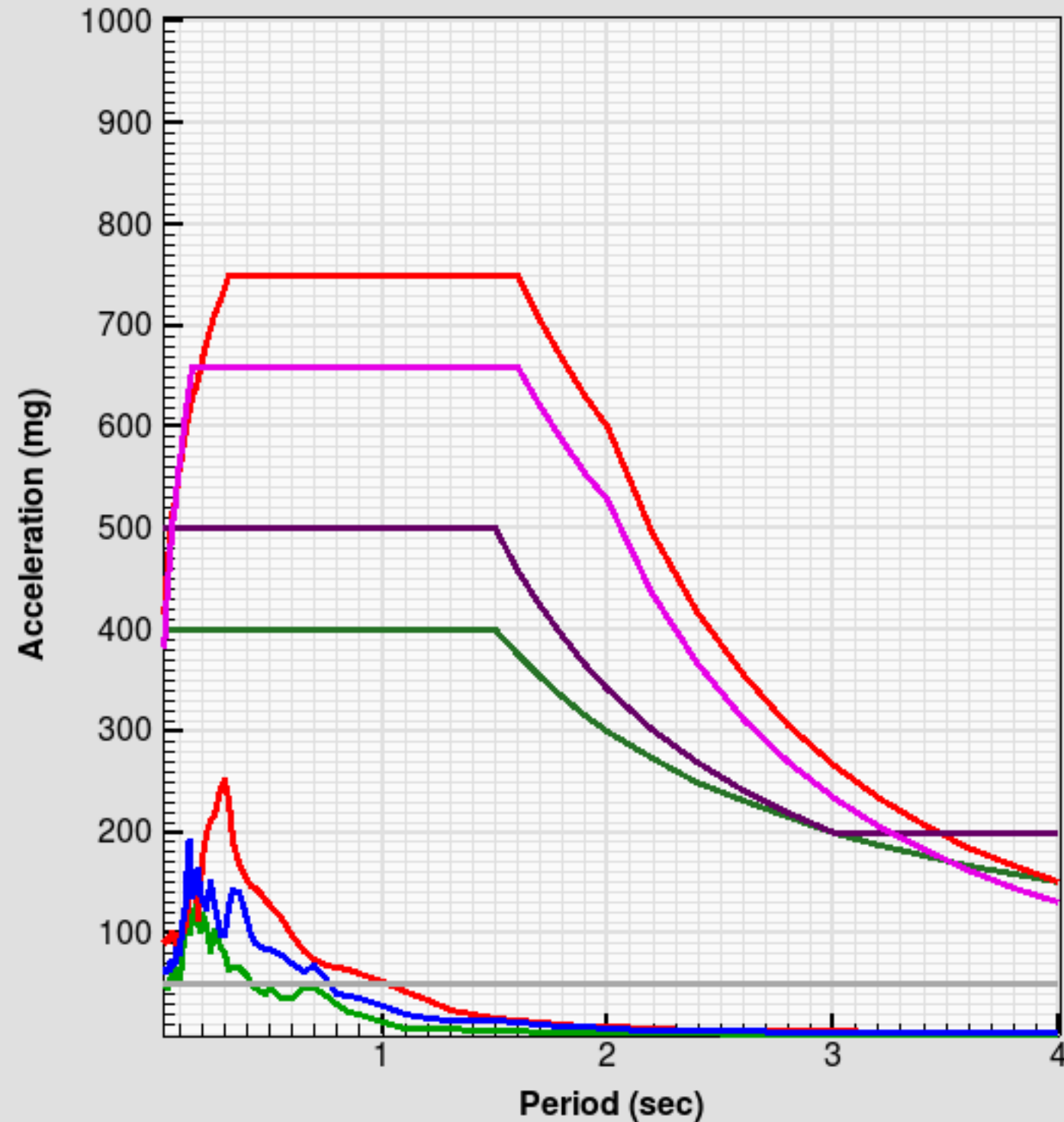
	peaka(mg)	peakv(cm/sec)		
HNZ	2018301:00:39:00__00:39:40	pa	10.25	
HNN	2018301:00:39:00__00:39:40	pa	25.70	
HNE	2018301:00:39:00__00:39:40	pa	40.72	
HNZ	2018301:00:39:00__00:39:40	pv	0.48	
HNN	2018301:00:39:00__00:39:40	pv	3.01	
HNE	2018301:00:39:00__00:39:40	pv	3.37	

5. COS Sector 1

BSTR_D5	HNZ	00:39:00__00:40:40	6	7.14	95.41
BSTR_D5	HNN	00:39:00__00:40:40	5	3.33	57.76
BSTR_D5	HNE	00:39:00__00:40:40	10	6.67	95.72

	HNZ	HNN	HNE
sa03	57.76	57.76	29.56
sa10	14.66	14.66	6.75
sa30	1.31	1.31	0.61

	peaka(mg)	peakv(cm/sec)		
HNZ	2018301:00:39:00__00:39:40	pa	17.01	
HNN	2018301:00:39:00__00:39:40	pa	25.60	
HNE	2018301:00:39:00__00:39:40	pa	21.50	
HNZ	2018301:00:39:00__00:39:40	pv	0.58	
HNN	2018301:00:39:00__00:39:40	pv	1.86	
HNE	2018301:00:39:00__00:39:40	pv	0.81	



Response Spectrum ALARM

Staproc:
RO_TURN1_D5
Facility:
FTURN1
State:
inprogress
Channels:
HNZ
Peak Acceleration:
0.047 g
Peak Velocity:
1.952 cm/s

Time:
2018301:00:39:00.000
Station:
RO_TURN1
Duration:
40.0
HNN
0.091 g
5.488 cm/s

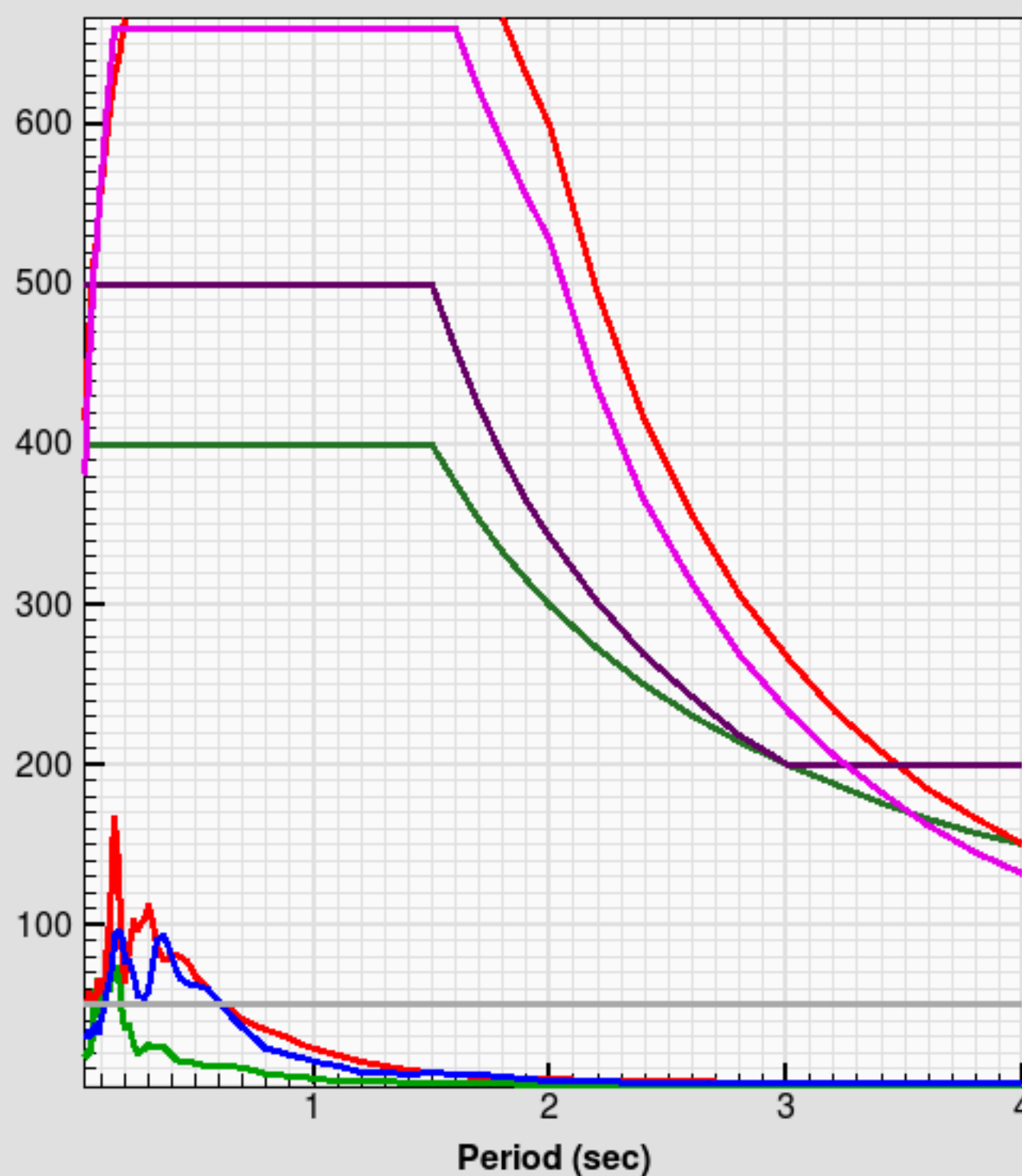
HNE
0.062 g
2.543 cm/s

Exceedances:

limit	type			
STRUC4_LSA	LSA			
chan	nfreqs	fmax	pmax	percent
HNZ	31	5.88	0.17	157.25
HNN	57	3.33	0.30	402.38
HNE	52	6.67	0.15	280.18

Design code: DRS P100-BUC 1981 1992 2006 2013

Acceleration (mg)



Response Spectrum ALARM

Staproc:
RO_BUC1_D5
Facility:
FBUC1
State:
inprogress

Channels:

HNZ

Peak Acceleration:

0.016 g

Peak Velocity:

0.716 cm/s

Time:

2018301:00:39:00.000

Station:

RO_BUC1

Duration:

40.0

HNN

0.051 g

2.640 cm/s

HNE

0.030 g

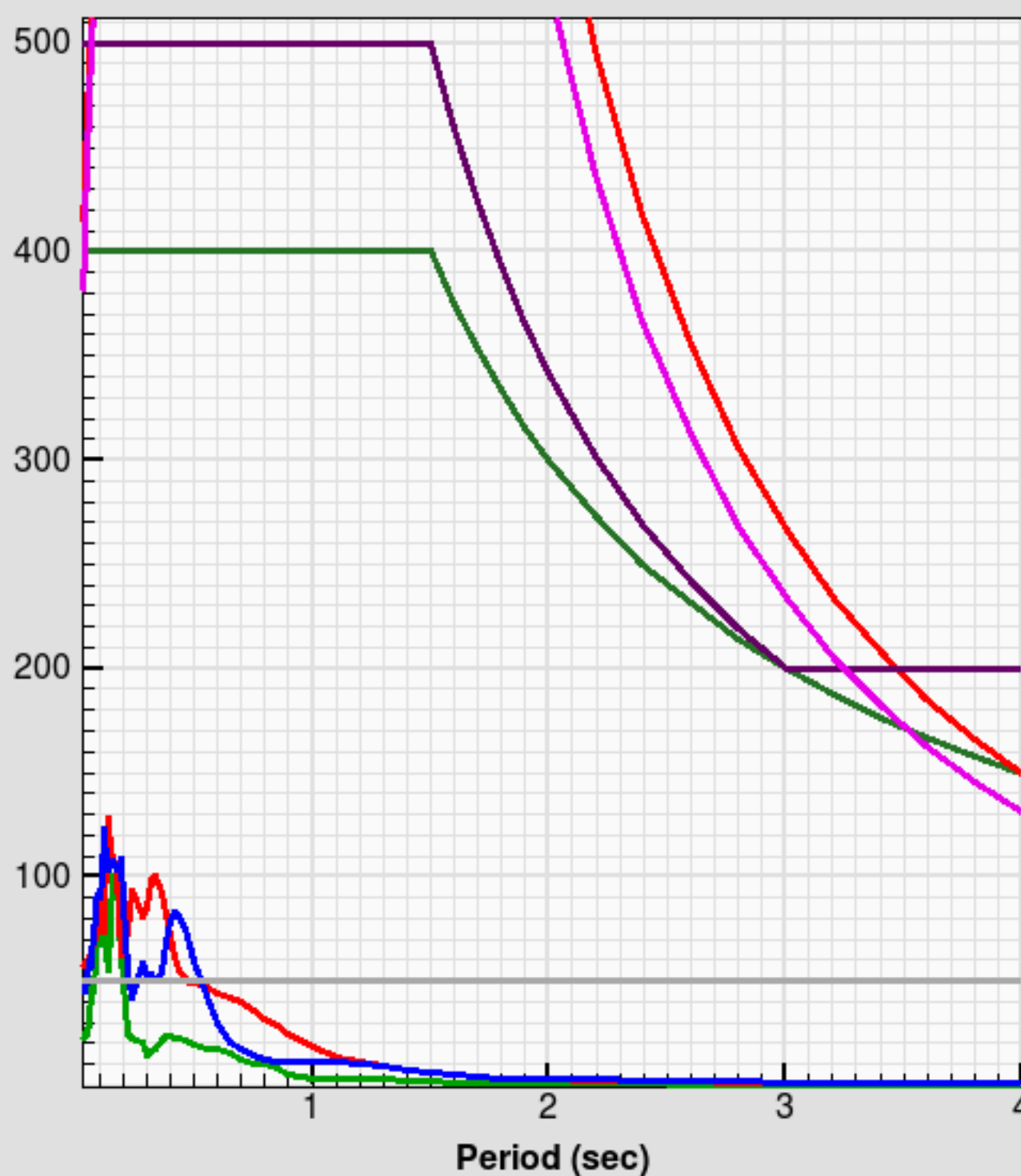
2.000 cm/s

Exceedances:

limit	type			
STRUC4_LSA	LSA			
chan	nfreqs	fmax	pmax	percent
HNZ	11	5.88	0.17	47.57
HNN	49	6.25	0.16	232.69
HNE	26	5.88	0.17	91.25

Design code: DRS P100-BUC 1981 1992 2006 2013

Acceleration (mg)



Response Spectrum ALARM

Staproc:
RO_ARCB_D5
Facility:
FARCB
State:

final
Channels:

Peak Acceleration:
0.021 g

Peak Velocity:
0.832 cm/s

Time:
2018301:00:39:00.000
Station:
RO_ARCB
Duration:
100.0

HNN

0.056 g

2.116 cm/s

HNE

0.044 g

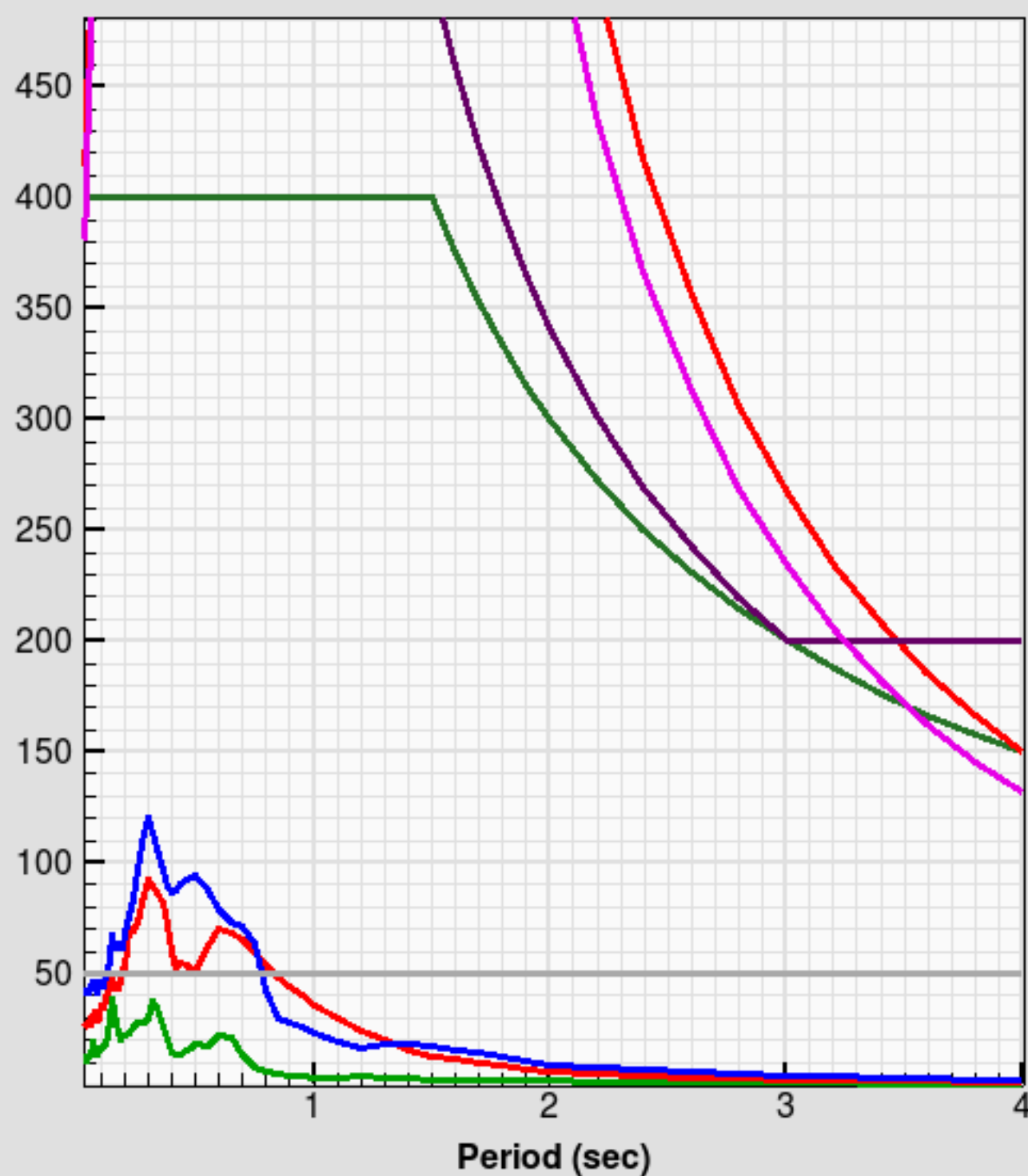
1.783 cm/s

Exceedances:

limit	type			
STRUC4_LSA	LSA			
chan	nfreqs	fmax	pmax	percent
HNZ	14	5.88	0.17	102.76
HNN	45	7.14	0.14	155.76
HNE	35	8.33	0.12	144.80

Design code: DRS P100-BUC 1981 1992 2006 2013

Acceleration (mg)



Response Spectrum ALARM

Staproc:
RO_FOCR1_D5
Facility:
FFOCR1
State:

Time:
2018301:00:39:00.000
Station:
RO_FOCR1
Duration:
100.0

Channels:

HNZ

HNN

HNE

Peak Acceleration:

0.010 g

0.026 g

0.042 g

Peak Velocity:

0.484 cm/s

3.013 cm/s

3.369 cm/s

Exceedances:

limit

STRUC4_LSA

type

LSA

chan

HNN

HNE

nfreqs

23

28

fmax

3.33

3.33

pmax

0.30

0.30

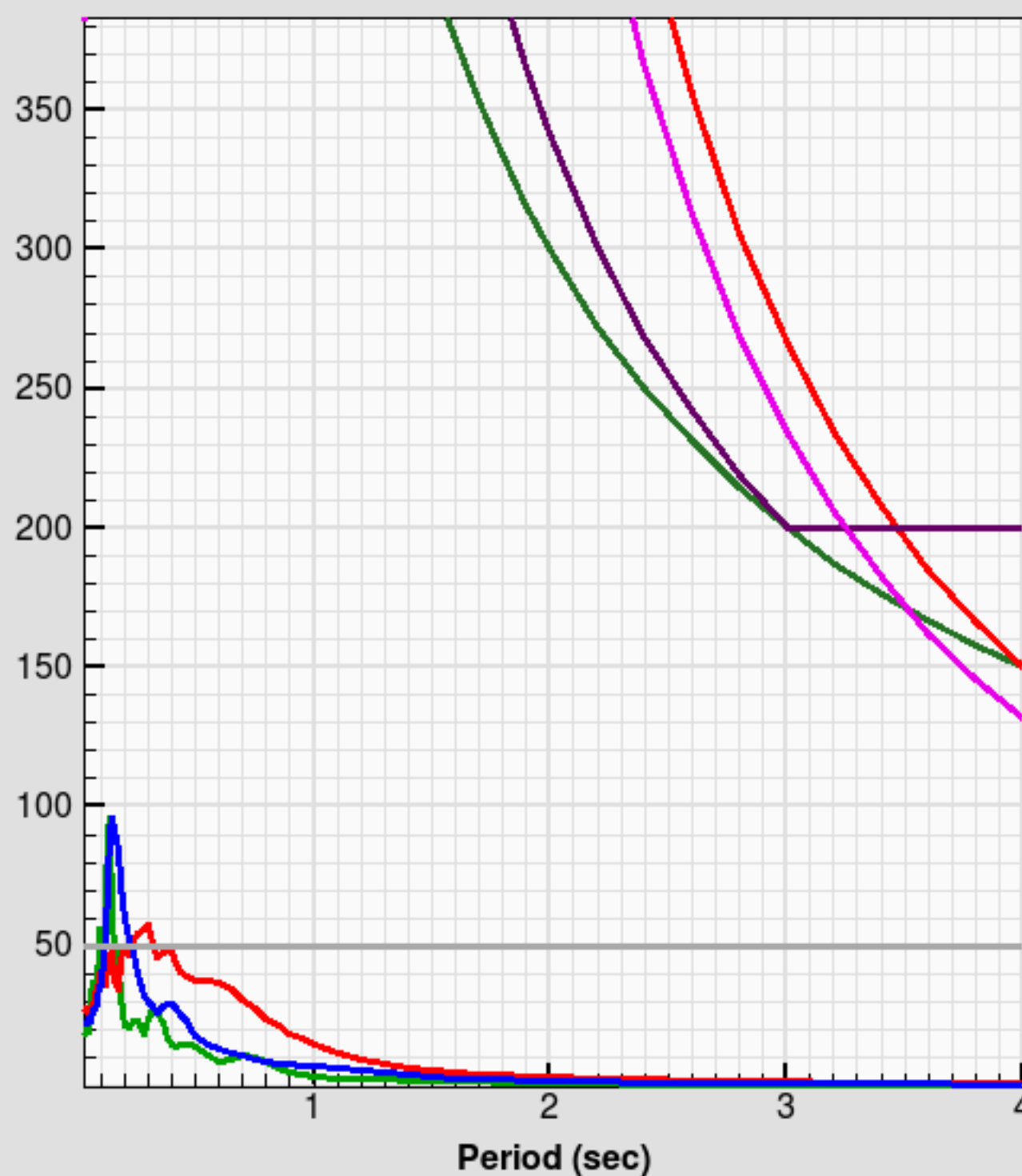
percent

83.90

140.15

Design code: DRS P100-BUC 1981 1992 2006 2013

Acceleration (mg)



Response Spectrum ALARM

Staproc:
RO_BSTR_D5
Facility:
FBSTR
State:
final

Channels:
HNZ
Peak Acceleration:
0.017 g
Peak Velocity:
0.584 cm/s

Time:
2018301:00:39:00.000
Station:
RO_BSTR
Duration:
100.0

HNN

0.026 g

1.857 cm/s

HNE

0.022 g

0.815 cm/s

Exceedances:

limit	type			
STRUC4_LSA	LSA			
chan	nfreqs	fmax	pmax	percent
HNZ	6	7.14	0.14	90.82
HNN	5	3.33	0.30	15.52
HNE	10	6.67	0.15	91.44

Design code: DRS P100-BUC 1981 1992 2006 2013

