

Antelope - acceleration spectra and ground motion measurements on venus

ROMANIA - evid 42384

Date Time Lat Lon Depth ml orid
2020/01/31 01:26:46 45.733 26.761 140.0 5.20 42658

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_ODBI 29.36 2 RO_TUDR 22.09 3 RO_TURN3 14.50
4 RO_VLDR 13.98 5 RO_TATR 1.07

sta_proc chan from_to nofqs fmax SA(mg)

1. Odobesti

ODBI_D5 HNZ 01:27:00__01:27:40 12 12.50 63.79
ODBI_D5 HNE 01:27:00__01:27:40 5 11.11 64.68

	HNZ	HNN	HNE
sa03	13.03	13.03	6.44
sa10	0.72	0.72	0.36
sa30	0.09	0.09	0.04

	peaka(mg)	peakv(cm/sec)		
HNZ	2020031:01:27:00__01:27:40	pa	21.31	
HNN	2020031:01:27:00__01:27:40	pa	11.68	
HNE	2020031:01:27:00__01:27:40	pa	14.08	
HNZ	2020031:01:27:00__01:27:40	pv	0.70	
HNN	2020031:01:27:00__01:27:40	pv	0.24	
HNE	2020031:01:27:00__01:27:40	pv	0.22	

2. Tudor Vladimirescu GL

TUDR_D5 HNZ 01:27:00__01:28:40 6 12.50 61.04

	HNZ	HNN	HNE
sa03	2.74	2.74	2.79
sa10	0.31	0.31	0.37
sa30	0.02	0.02	0.03

	peaka(mg)	peakv(cm/sec)		
HNZ	2020031:01:27:00__01:27:40	pa	15.74	
HNN	2020031:01:27:00__01:27:40	pa	1.64	
HNE	2020031:01:27:00__01:27:40	pa	2.44	
HNZ	2020031:01:27:00__01:27:40	pv	0.38	
HNN	2020031:01:27:00__01:27:40	pv	0.06	
HNE	2020031:01:27:00__01:27:40	pv	0.06	

3. Magurele-Turn IF

TURN3_D5 HNN 01:28:00__01:28:40 1 1.43 57.25

	HNZ	HNN	HNE
sa03	5.66	5.66	6.47
sa10	3.55	3.55	4.14
sa30	0.22	0.22	0.21

	peaka(mg)	peakv(cm/sec)		
HNZ	2020031:01:27:00__01:27:40	pa	4.61	
HNN	2020031:01:28:00__01:28:40	pa	4.30	
HNE	2020031:01:28:00__01:28:40	pa	4.34	
HNZ	2020031:01:27:00__01:27:40	pv	0.11	
HNN	2020031:01:28:00__01:28:40	pv	0.41	
HNE	2020031:01:28:00__01:28:40	pv	0.48	

4. Vladesti
VLDR_D5 HNZ 01:27:00__01:28:40 5 7.69 56.99

	HNZ	HNN	HNE
sa03	5.85	5.85	6.99
sa10	0.61	0.61	0.49
sa30	0.04	0.04	0.04

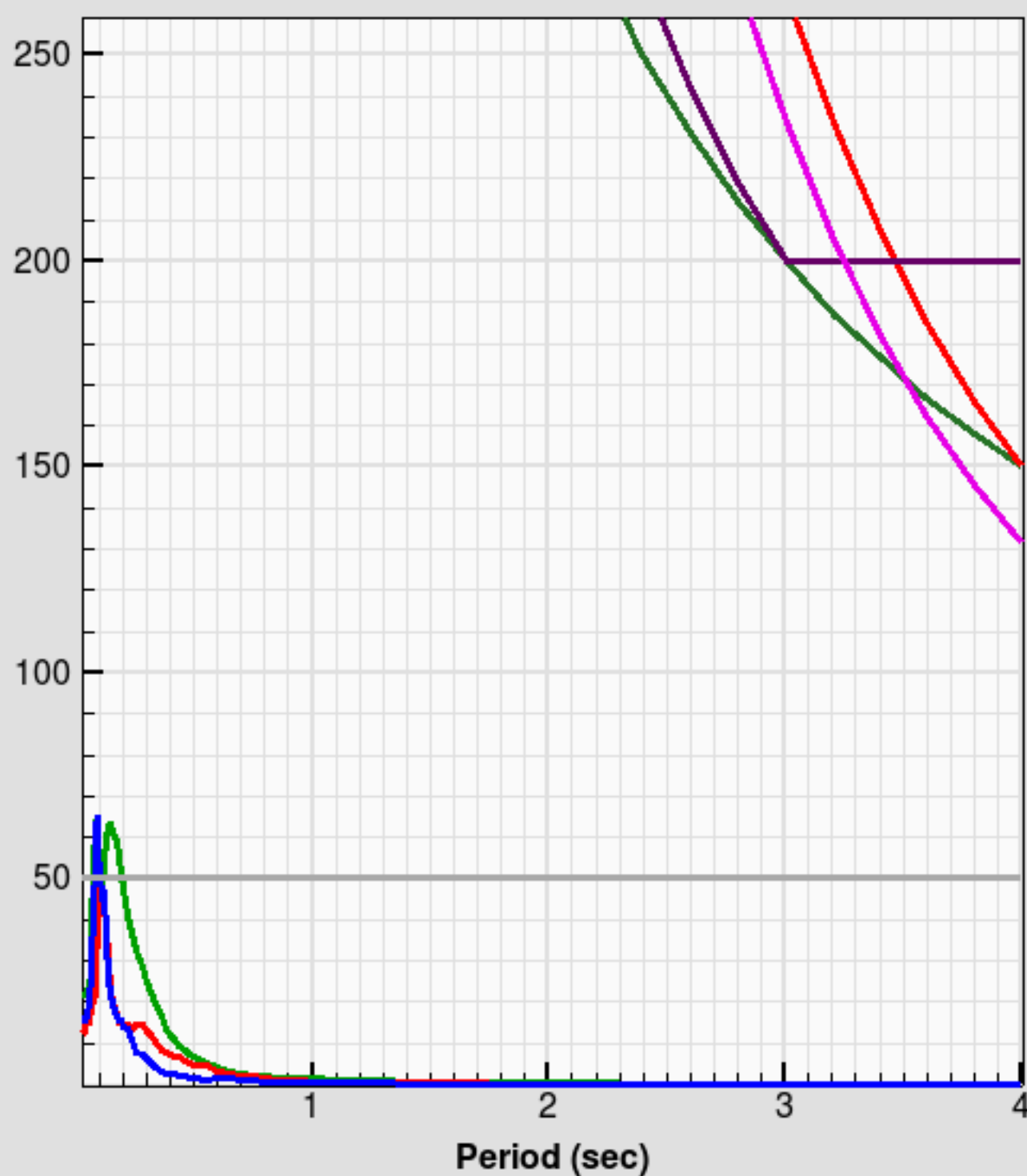
	peaka(mg)	peakv(cm/sec)		
HNZ	2020031:01:27:00__01:27:40	pa	18.81	
HNN	2020031:01:27:00__01:27:40	pa	6.36	
HNE	2020031:01:27:00__01:27:40	pa	7.06	
HNZ	2020031:01:27:00__01:27:40	pv	0.56	
HNN	2020031:01:27:00__01:27:40	pv	0.16	
HNE	2020031:01:27:00__01:27:40	pv	0.20	

5. Tatarca
TATR_D5 HNZ 01:27:00__01:27:40 1 11.77 50.54

	HNZ	HNN	HNE
sa03	2.92	2.92	2.59
sa10	0.22	0.22	0.25
sa30	0.01	0.01	0.03

	peaka(mg)	peakv(cm/sec)		
HNZ	2020031:01:27:00__01:27:40	pa	11.11	
HNN	2020031:01:27:00__01:27:40	pa	2.50	
HNE	2020031:01:27:00__01:27:40	pa	3.49	
HNZ	2020031:01:27:00__01:27:40	pv	0.21	
HNN	2020031:01:27:00__01:27:40	pv	0.05	
HNE	2020031:01:27:00__01:27:40	pv	0.07	

Acceleration (mg)



Response Spectrum ALARM

Staproc:
RO_ODBI_D5
Facility:
FODBI
State:
inprogress
Channels:
HNZ
Peak Acceleration:
0.022 g
Peak Velocity:
0.700 cm/s

Time:
2020031:01:27:00.000
Station:
RO_ODBI
Duration:
40.0
HNN
0.012 g
0.242 cm/s

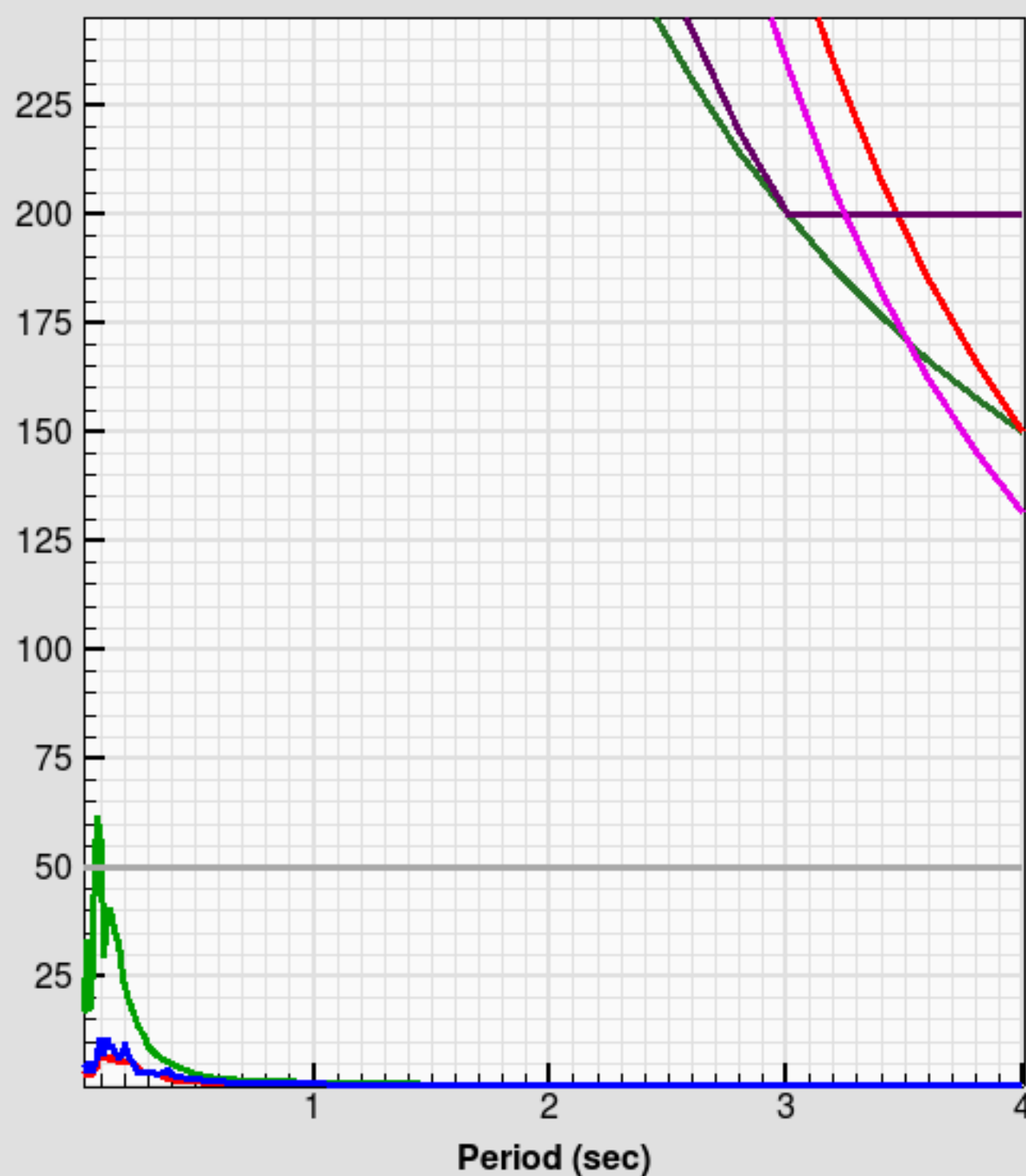
HNE
0.014 g
0.225 cm/s

Exceedances:

limit	type			
STRUC4_LSA	LSA			
chan	nfreqs	fmax	pmax	percent
HNZ	12	12.50	0.08	27.57
HNE	5	11.11	0.09	29.36

Design code: DRS P100-BUC 1981 1992 2006 2013

Acceleration (mg)



Response Spectrum ALARM

Staproc:
RO_TUDR_D5
Facility:
FTUDR
State:

Channels:

Peak Acceleration:
0.016 g
Peak Velocity:
0.376 cm/s

Time:
2020031:01:27:00.000
Station:
RO_TUDR
Duration:
100.0

HNN

0.002 g

0.059 cm/s

HNE

0.002 g

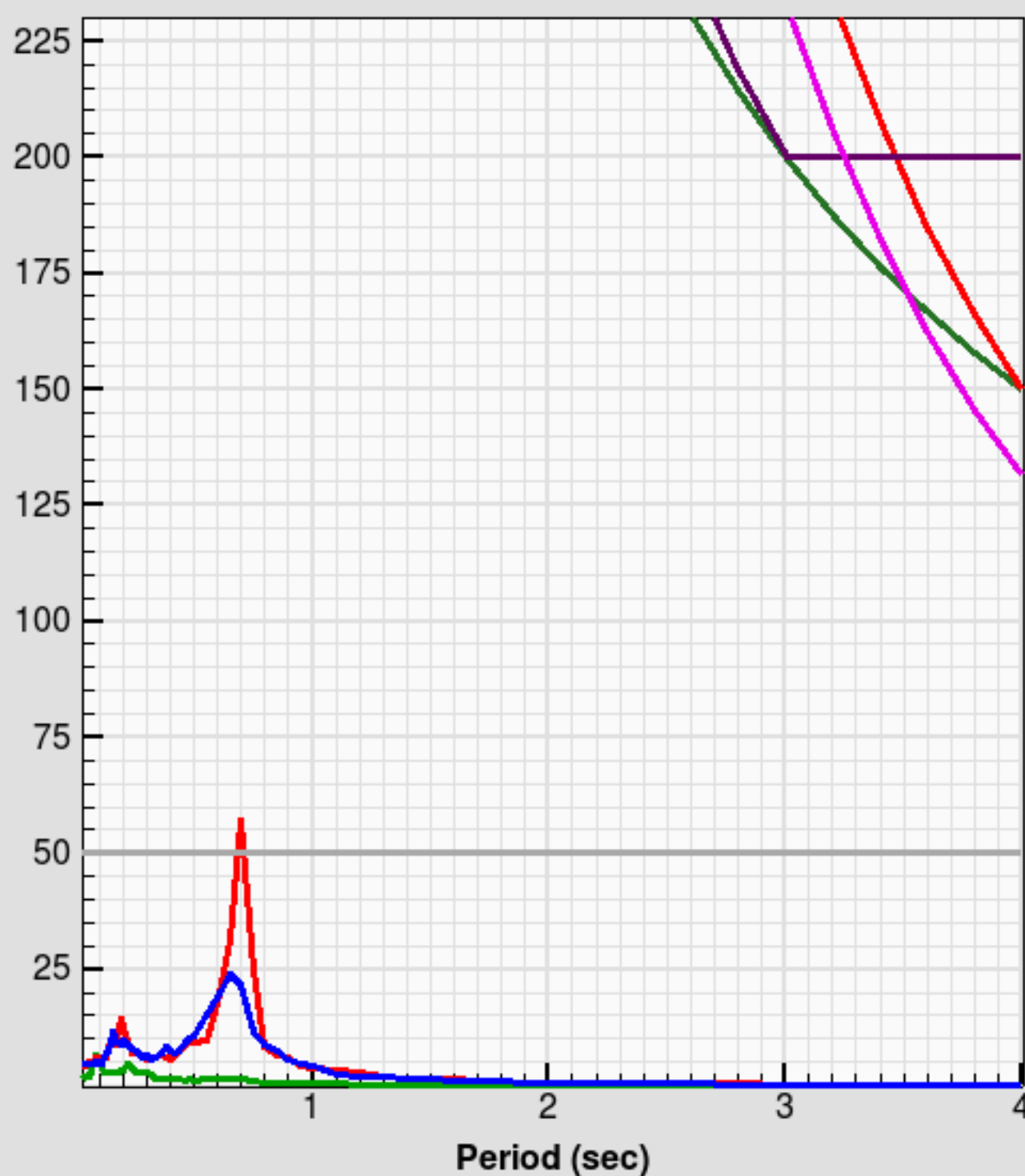
0.062 cm/s

Exceedances:

limit	type	chan	nfreqs	fmax	pmax	percent
STRUC4_LSA	LSA	HNZ	6	12.50	0.08	22.09

Design code: DRS P100-BUC 1981 1992 2006 2013

Acceleration (mg)



Response Spectrum ALARM

Staproc:
RO_TURN3_D5
Facility:
FTURN3
State:
inprogress
Channels:
HNZ
Peak Acceleration:
0.001 g
Peak Velocity:
0.057 cm/s

Time:
2020031:01:28:00.000
Station:
RO_TURN3
Duration:
40.0
HNN
0.004 g
0.408 cm/s

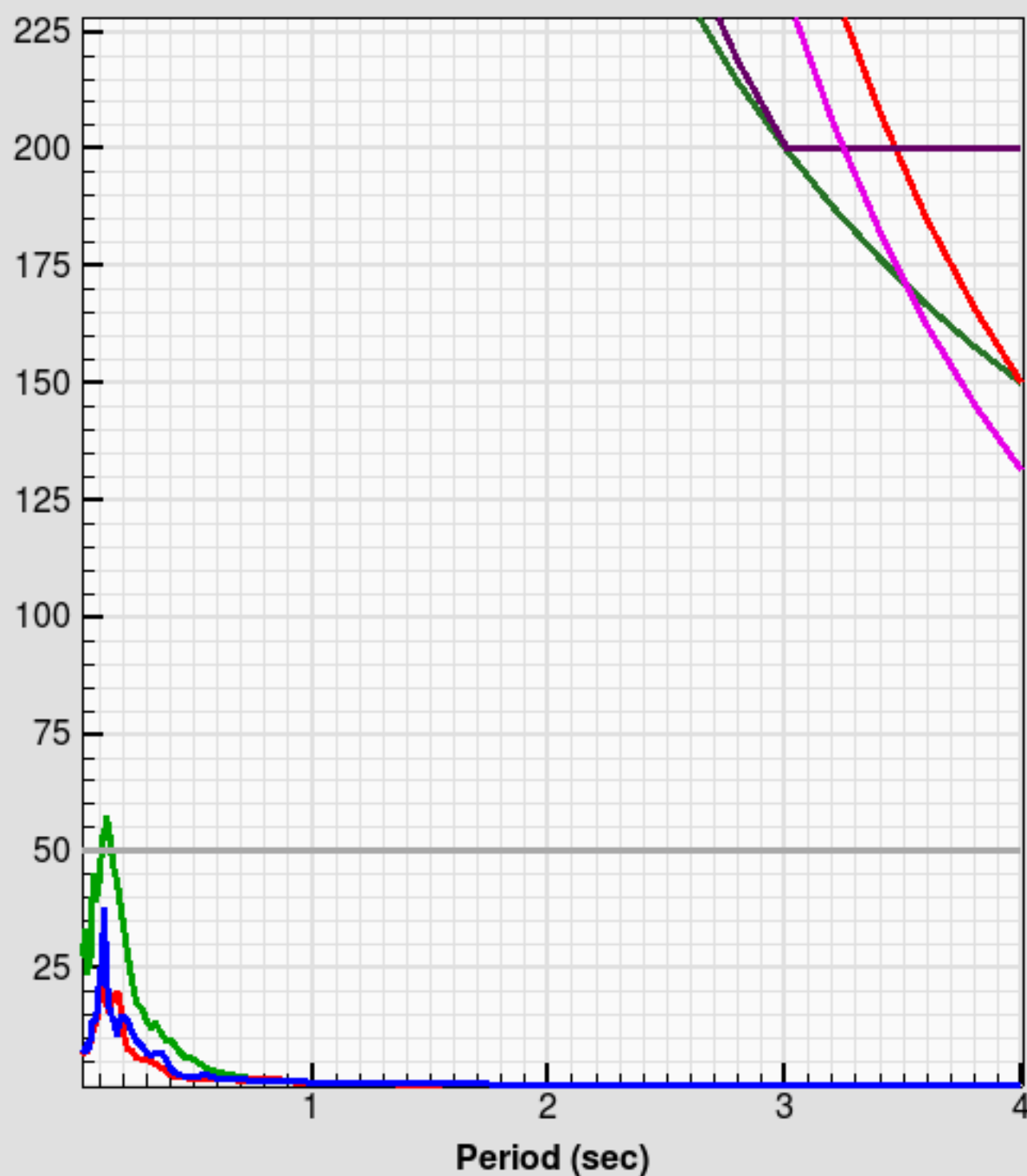
HNE
0.004 g
0.476 cm/s

Exceedances:

limit	type	chan	nfreqs	fmax	pmax	percent
STRUC4_LSA	LSA	HNN	1	1.43	0.70	14.50

Design code: DRS P100-BUC 1981 1992 2006 2013

Acceleration (mg)



Response Spectrum ALARM

Staproc:
RO_VLDR_D5
Facility:
FVLDR
State:

final
Channels:
HNN
Peak Acceleration:
0.019 g
Peak Velocity:
0.560 cm/s

Time:
2020031:01:27:00.000
Station:
RO_VLDR
Duration:
100.0

HNN

0.006 g

0.163 cm/s

HNE

0.007 g

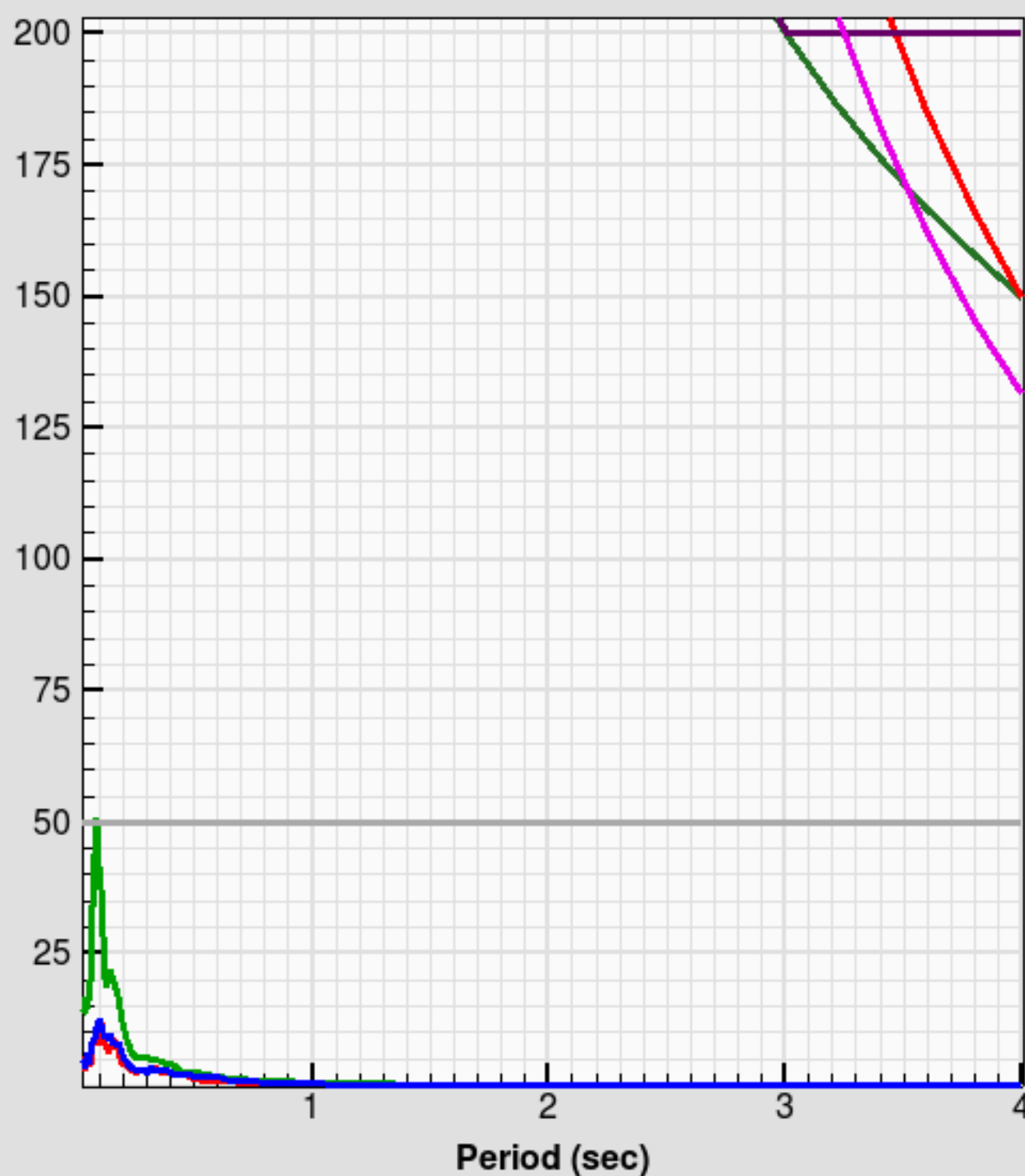
0.203 cm/s

Exceedances:

limit	type	chan	nfreqs	fmax	pmax	percent
STRUC4_LSA	LSA	HNN	5	7.69	0.13	13.98

Design code: DRS P100-BUC 1981 1992 2006 2013

Acceleration (mg)



Response Spectrum ALARM

Staproc:
RO_TATR_D5
Facility:
FTATR
State:
inprogress
Channels:

HNZ
Peak Acceleration:
0.011 g
Peak Velocity:
0.207 cm/s

Time:
2020031:01:27:00.000
Station:
RO_TATR
Duration:
40.0

HNN

0.003 g
0.053 cm/s

HNE

0.004 g
0.070 cm/s

Exceedances:

limit	type	chan	nfreqs	fmax	pmax	percent
STRUC4_LSA	LSA	HNZ	1	11.77	0.08	1.07

Design code: DRS P100-BUC 1981 1992 2006 2013

