

Recording Start Date
12/22/2008

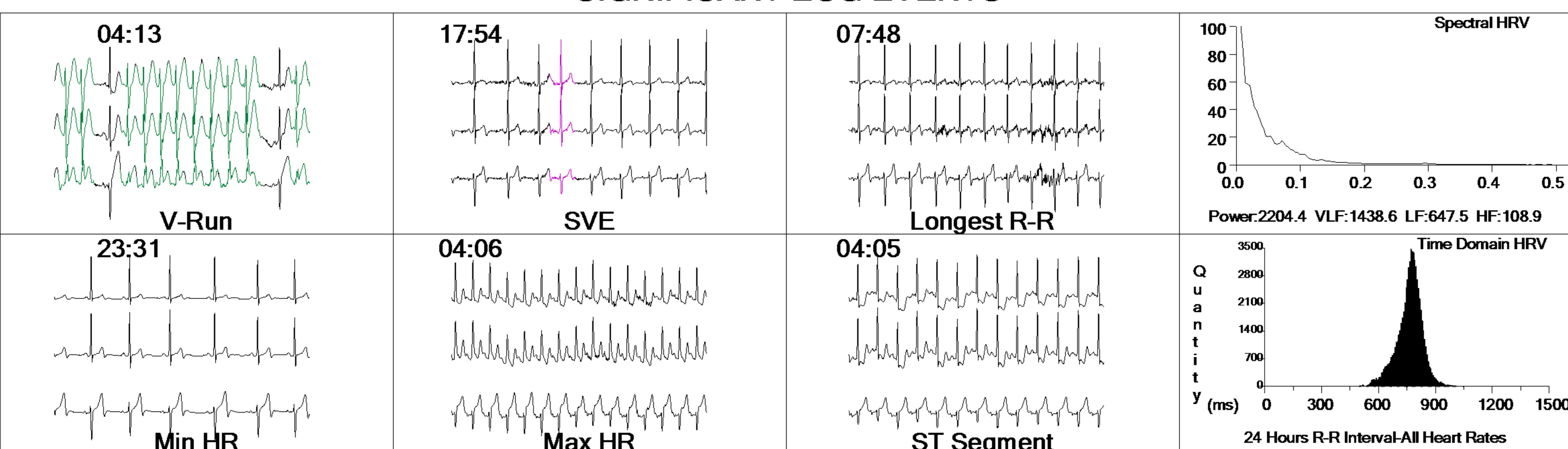
HOLTER ECG REPORT SUMMARY

Recording Start Time
17:04

Patient Name:	Frey Evan	ID#:	444-44-4444
Address:	SAMPLE HOLTER REPORT	Age:	40 year
Pacemaker:	None	DOB:	9/12/1965
Supervising Physician:	Thomas Jones MD	Sex:	Male
Indications:	Chest Pain	Weight:	220 lb
Medications:		Height:	78 in

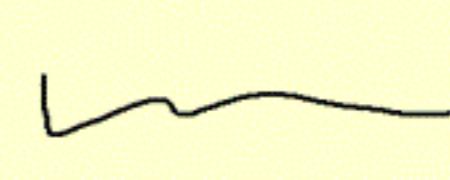
HEART RATE		VENTRICULAR ECTOPY		HEART RATE VARIABILITY	
Minimum HR-4 Intervals:	52 bpm at 23:31	VE Total:	83	SDNN-24 Hour:	80
Maximum HR-4 Intervals:	128 bpm at 4:06	V-Pair Total:	17	SDANN Index:	61
Average HR-24 Hours:	77 bpm	V-Run Total:	12	SDNN Index:	46
Minimum HR-Hourly:	68 bpm at 23:00	Longest V-Run:	8 beats at 04:13	rMSSD:	21
Maximum HR-Hourly:	91 bpm at 4:00	Maximum HR V-Run:	160 bpm at 04:19	pNN50:	2
Analyzed Beats:	68592	Minimum HR V-Run:	118 bpm at 04:19	Spectral Power-24 Hour:	2204.4
Analyzed Minutes:	889	VE's per 1000/per Hour:	2/6	Min Spectral Power Hour:	794.8
ECG Monitoring Period:	14 hours 49 minute	Ventricular R on T:	N/A	Max Spectral Power Hour:	3913.6
ST SEGMENT ANALYSIS		SUPRAVENTRICULAR ECTOPY		PAUSES	
Total ST Minutes CH1:	22	SVE Total:	7	Pauses in Excess of 2.5 sec:	0
Total ST Minutes CH2:	10	SVE Pair Total:	0	Max Pause:	N/A
Total ST Minutes CH3:	0	SV-Run Total:	0	QT	
Max Abs. ST Depression:	-3.7 at 04:05@CH 1	Longest SV-Run:	N/A	Max QT:	455 ms (Ch. 2)
Max Abs. ST Elevation:	+0.7 at 04:08@CH 2	Maximum HR SV-Run:	N/A	Max QTc:	467 ms
Max ST Episode:	6 Minutes at 4:01	SVE's per 1000/per hour:	1/1	Time of Max QT:	at 17:06. HR 88 bpm.
Max HR In ST Episode:	126	Total Aberrant Beats/Runs:	0/0	BBB	N/A
		Atrial Fib/Flutter:	0.0%		

SIGNIFICANT ECG EVENTS

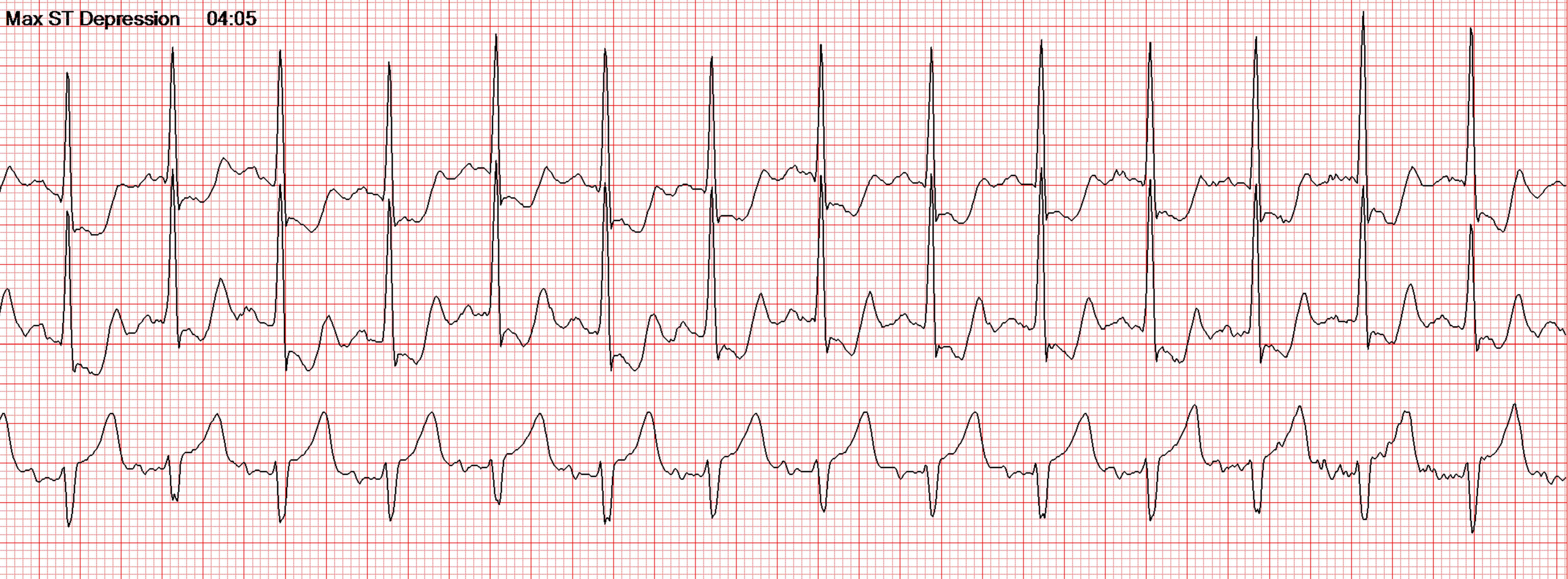


CONCLUSIONS

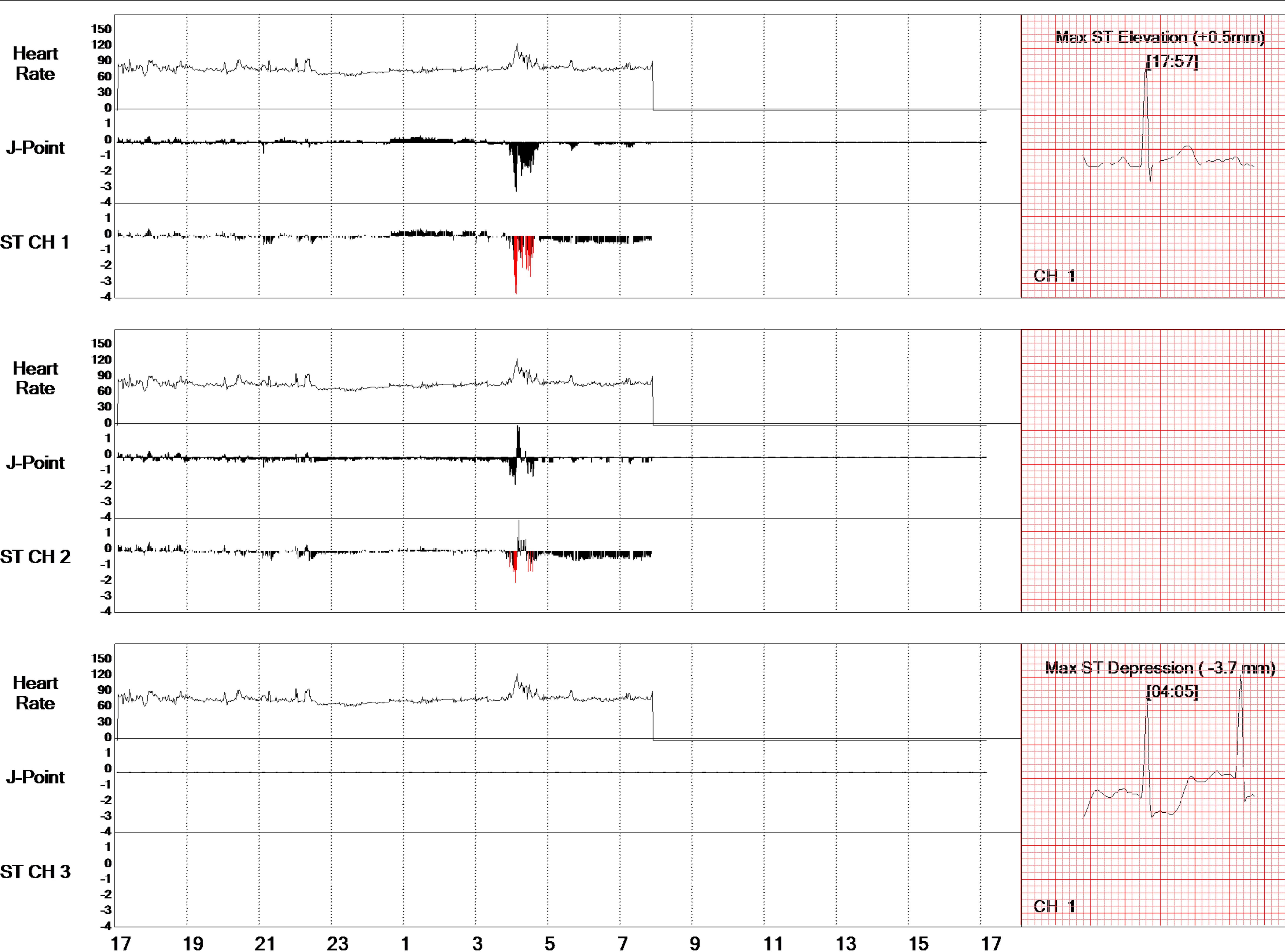
The average heart rate was 77. The minimum heart rate was 52 at 23:31. The maximum heart rate was 128 at 04:06. Pauses greater than 2.5 seconds were 0. Ventricular ectopy was 83, with 12 V-Runs and 17 V-Pairs, Ventricular Bigeminy events were 0 and Ventricular Trigeminy events were 1. Supraventricular ectopy was 7, with 0 SV-Runs, Supraventricular Bigeminy events were 0 and Supraventricular Trigeminy events were 0. Total A-Fib(Flu) were 0 Minute 0 Seconds. ST episode minutes totaled 24. The maximum Absolute ST change was -3.7 and occurred at 04:05. The patient pressed the symptom event button 1 times on the Holter recorder.

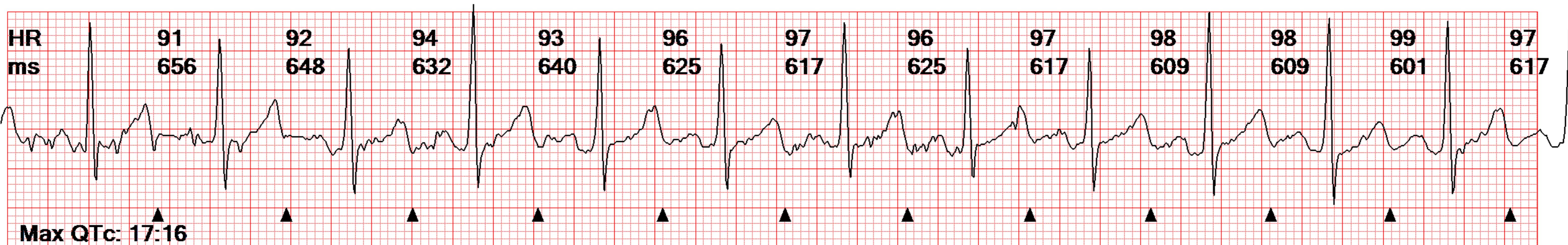
Physician Signature: 

Max ST Depression 04:05



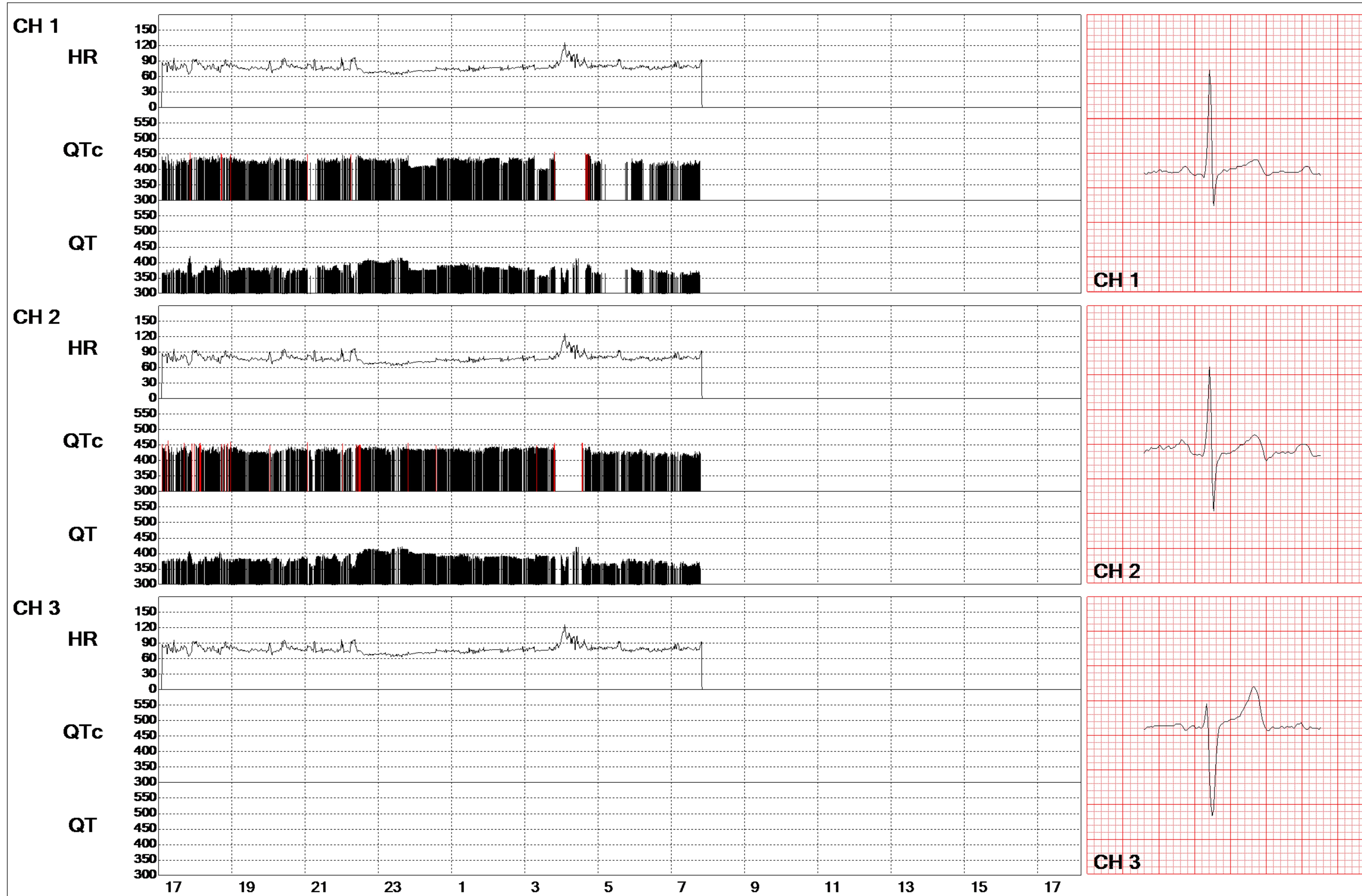
Total ST Minutes(Absolute)	22@CH 1	ST Episode	#1	#2	#3	QT	
Total ST Episodes(Absolute)	11@CH 1	Length	6	5	3	Max QT	455 ms (Ch. 2)
Max Abs. ST Depression:	-3.7@CH 1	On-set Minute	04:01	04:24	04:13	Max QTc	467 ms
Max Abs. ST Elevation:(ST Point)	+0.5@CH 1	Max ST	-3.7 -2.0 +0.0 -2.6 -1.3 +0.0 -2.0 +0.1 +0.0			% of Max QTc>=450ms	3.6%
ST Analysis Criteria	1 mm change in ST&J	Max Heart Rate	126	105	110		
		VE's PER MINUTE	0	0	12		





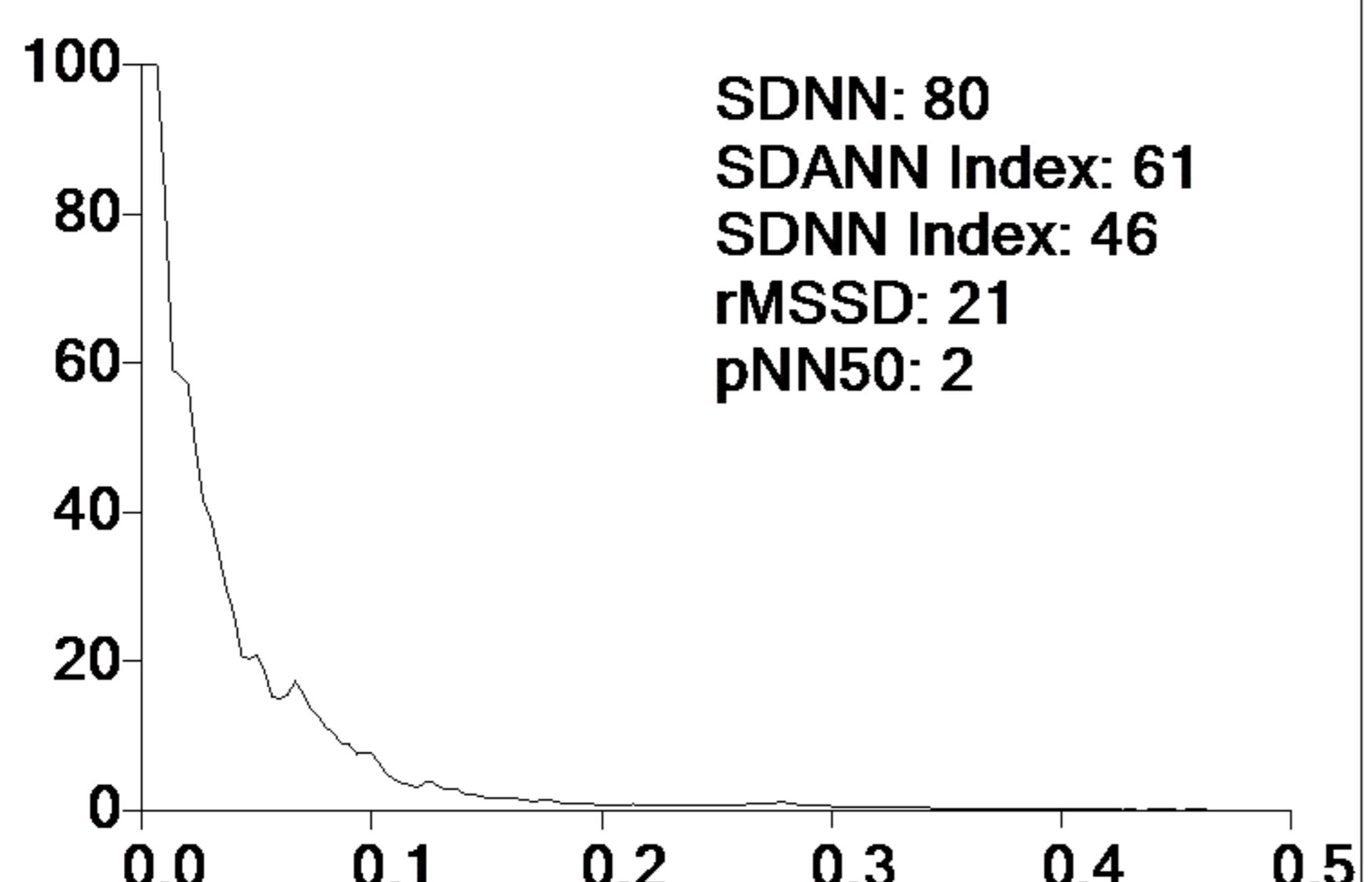
QTc	90%											Validated QTc Analysis: (60-90 bpm)
	80%											<= 450 ms 96.36% N
	70%											> 450 ms 3.64% ABN
	60%											> 490 ms 0.00% ABN+
	50%											
	40%											
	30%											
	20%											
	10%											
Range (ms)	< 350	350-370	370-390	390-410	410-430	430-450	450-470	470-490	490-510	> 510		
QTc	0.00%	0.00%	0.00%	0.78%	27.40%	67.66%	4.16%	0.00%	0.00%	0.00%		
QT	0.12%	15.95%	43.80%	34.11%	6.01%	0.00%	0.00%	0.00%	0.00%	0.00%		

Max QTc @ 17:16 467 ms
Max QT @ 17:06 455 ms
Normal Range QTc: 350 to 450 ms

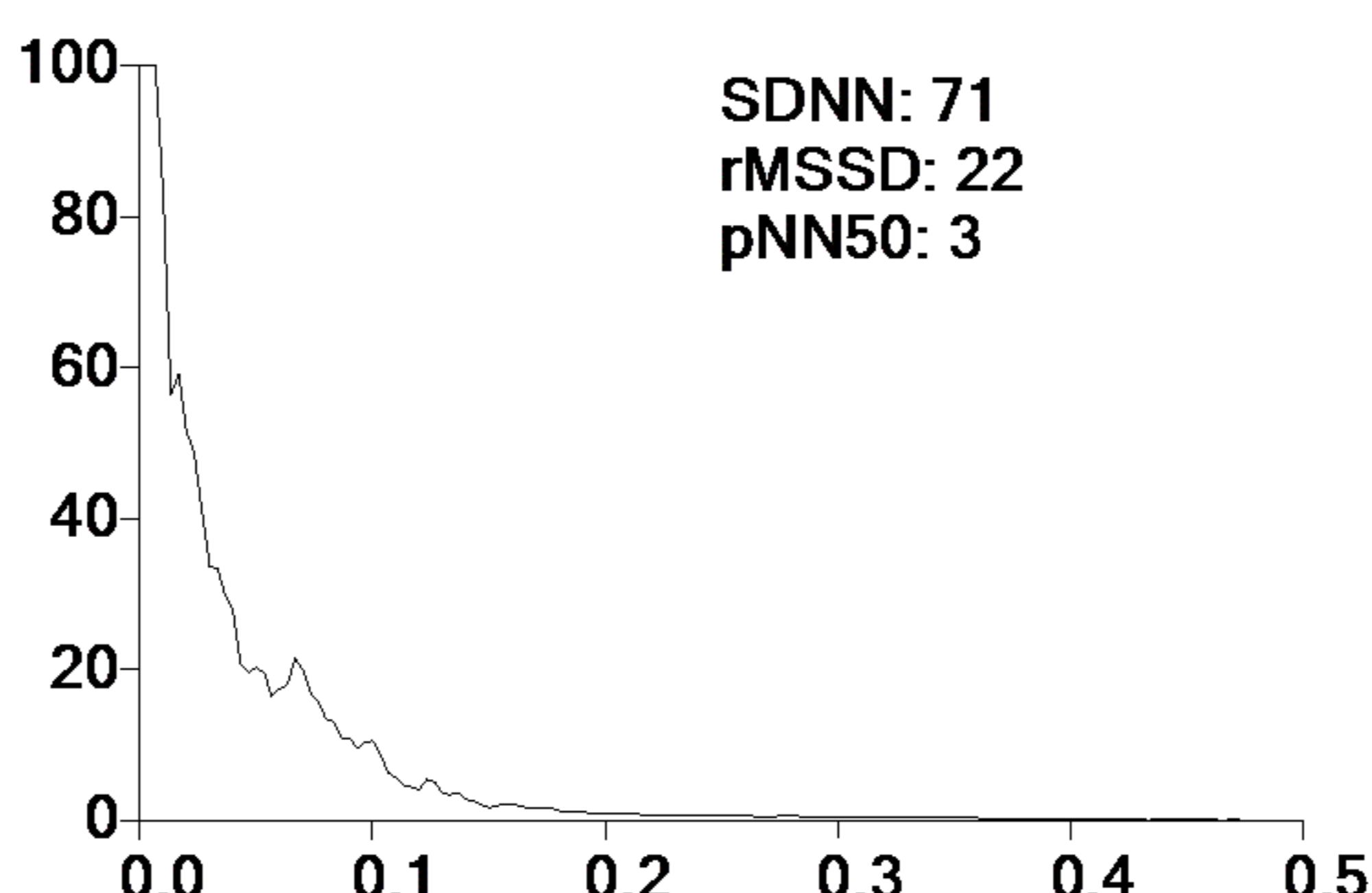


Comments

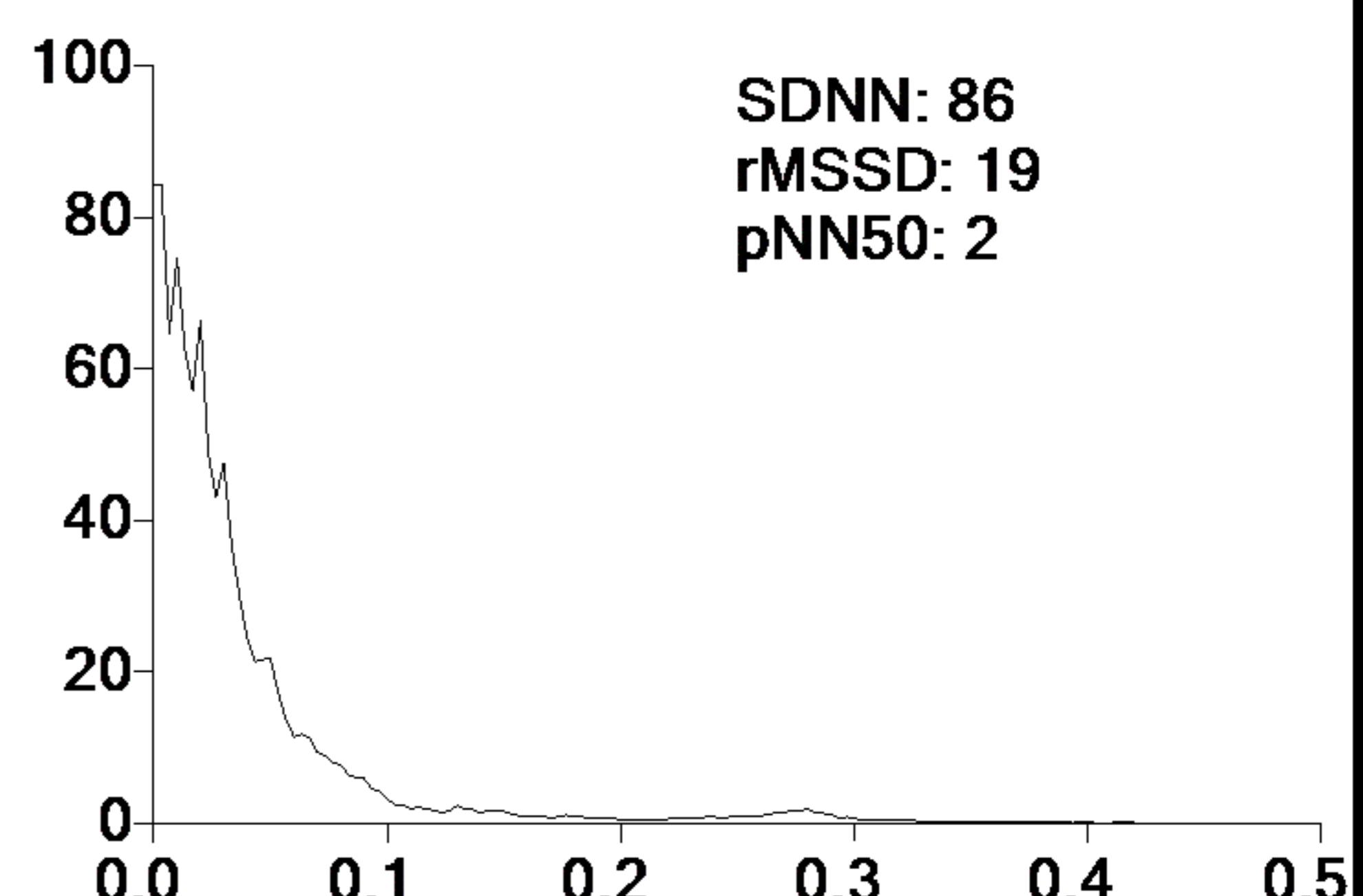
Physician Signature: _____

SPECTRAL POWER**24 HOURS**

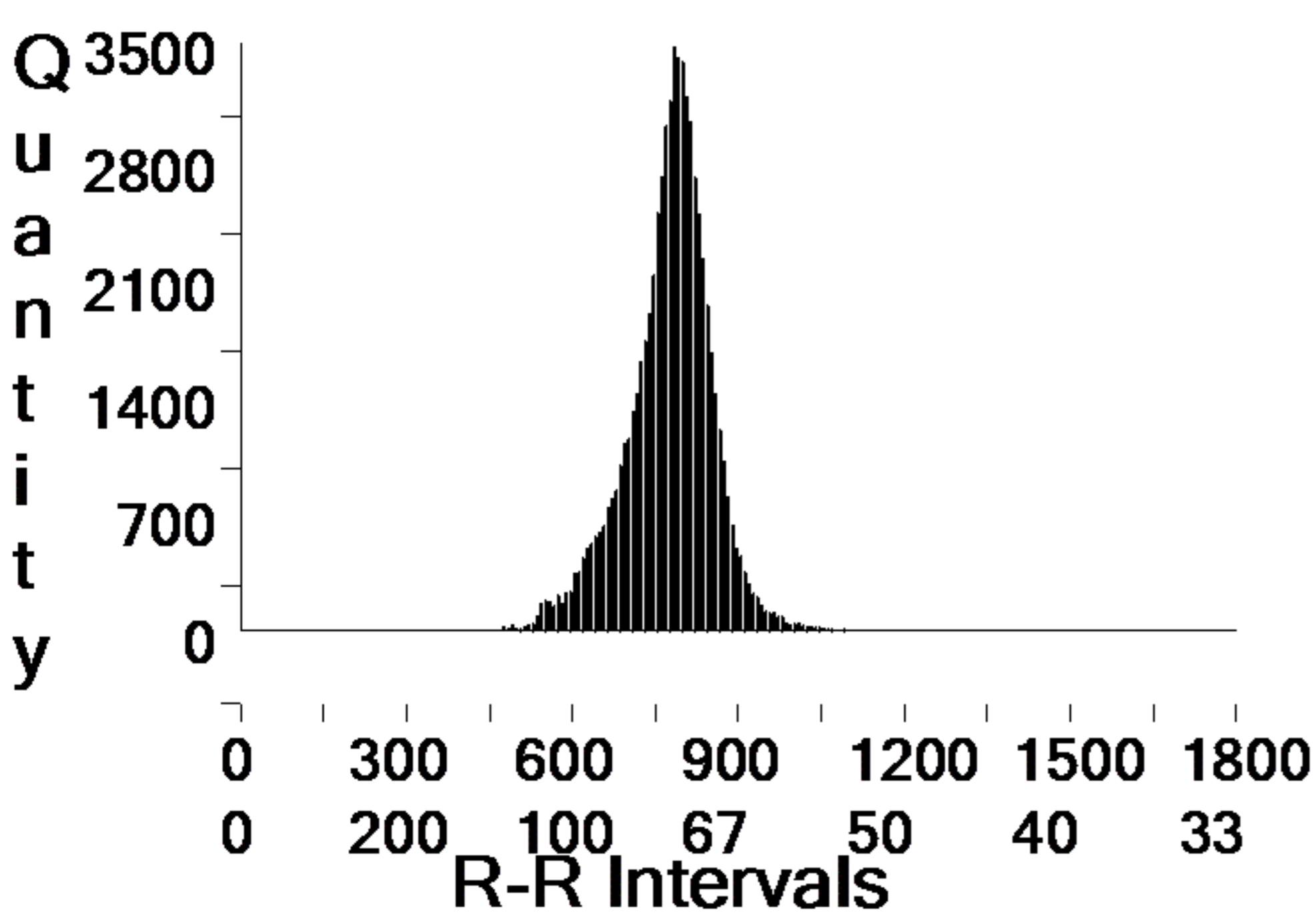
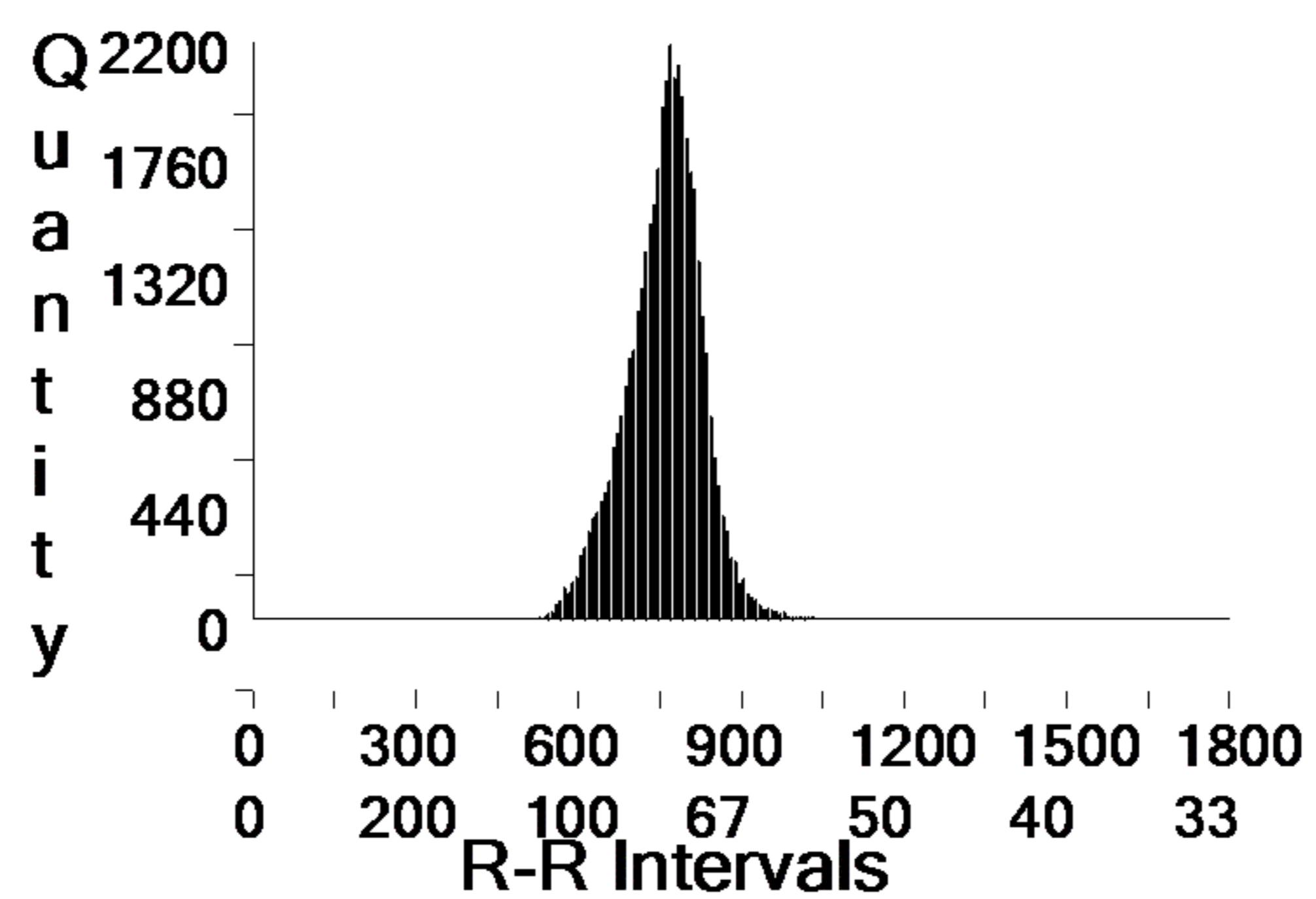
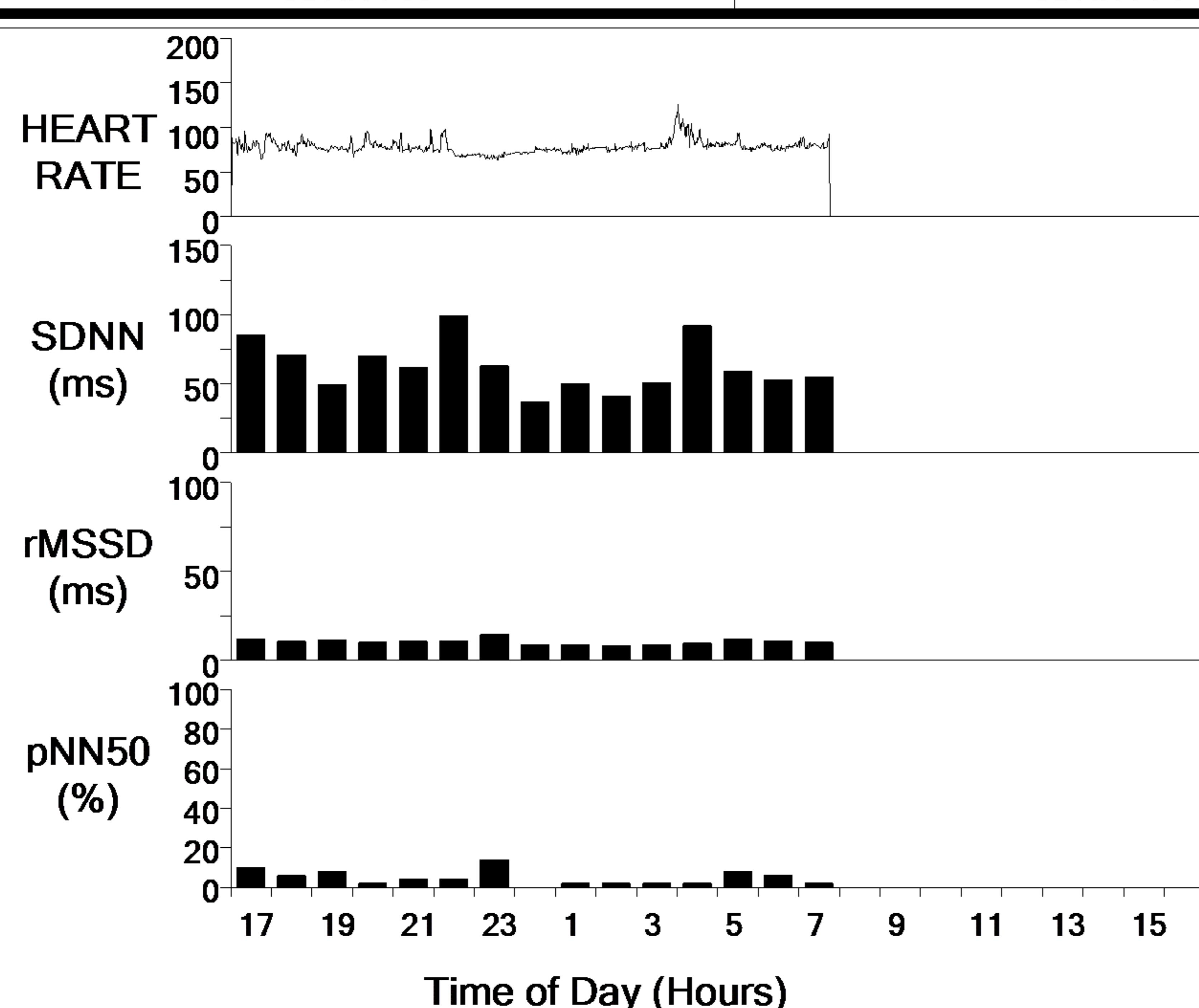
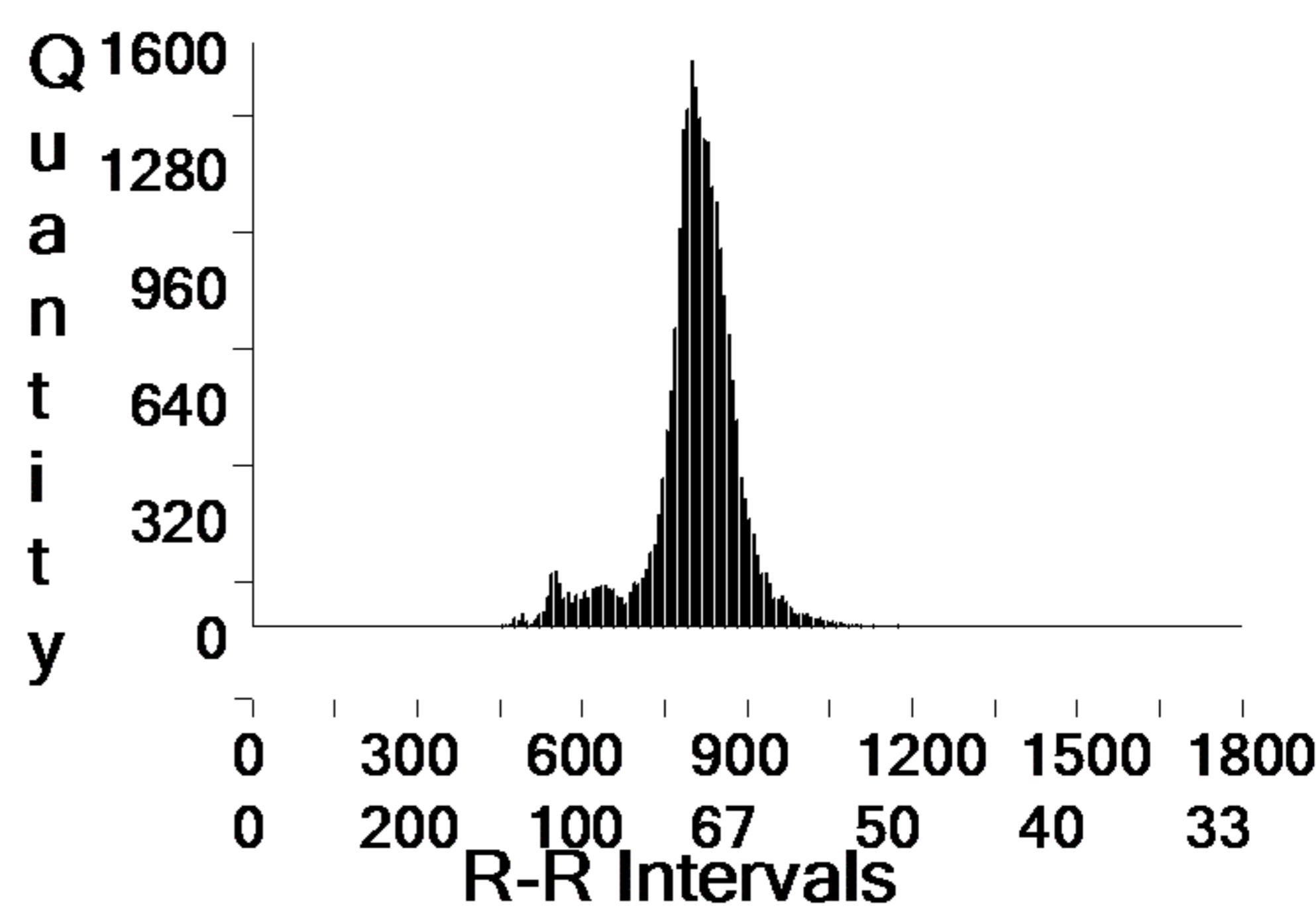
Power:2204.4 VLF:1119.7 LF:647.5 HF:108.9

AWAKE: 04:15 - 22:30

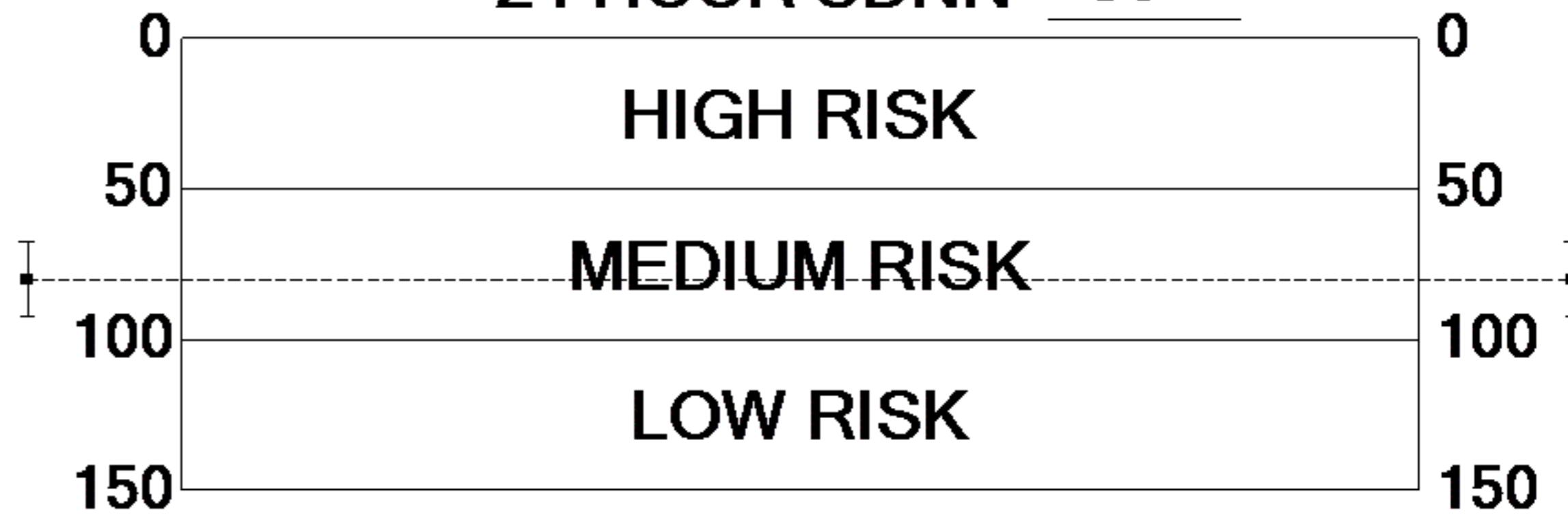
Power:2445.2 VLF:1149.0 LF:753.4 HF:113.0

ASLEEP: 22:30 - 04:15

Power:1838.7 VLF:1064.3 LF:493.8 HF:103.9

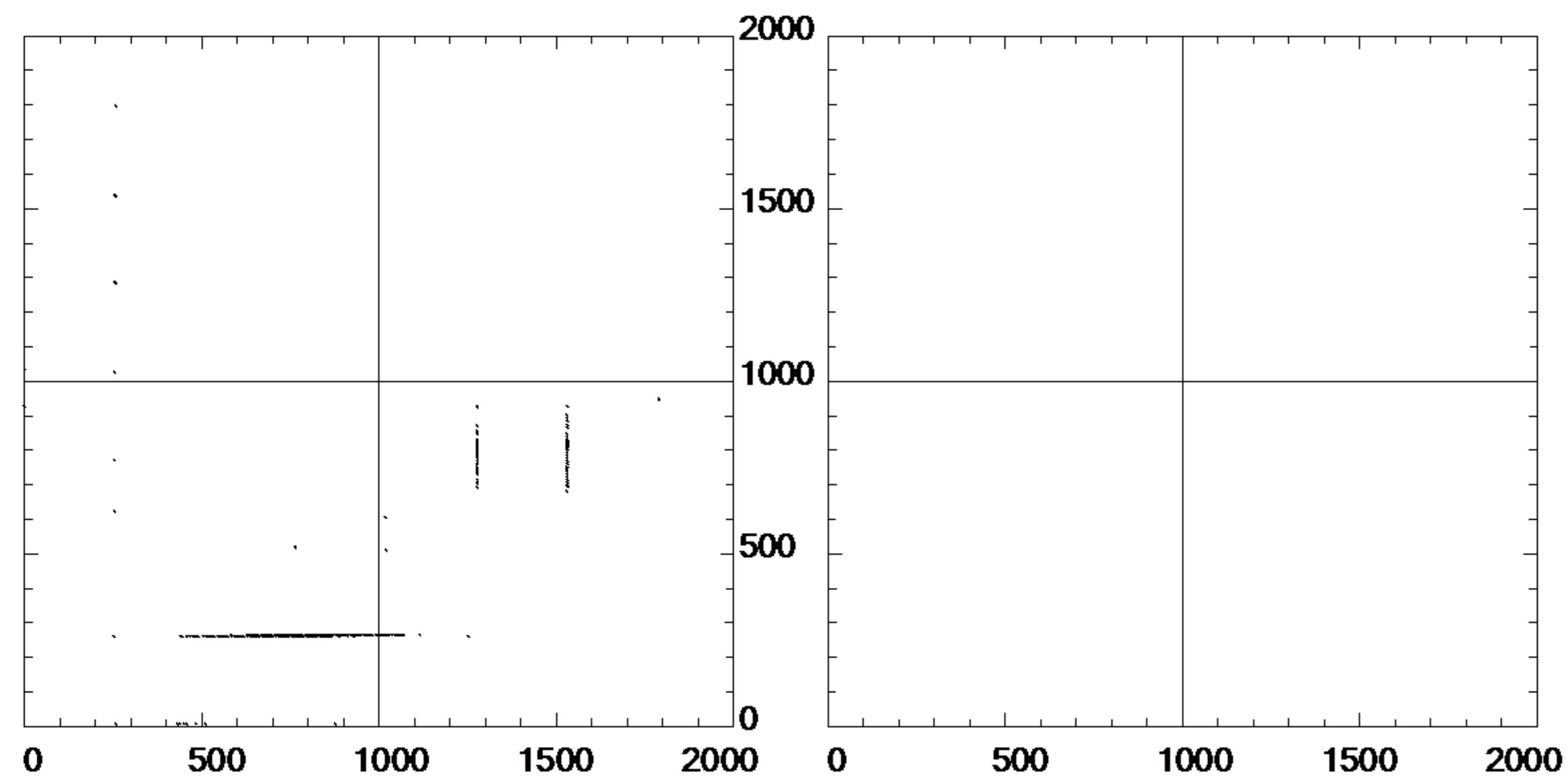
TIME DOMAIN**ALL HEART RATES**
Time: 24 Hours**ALL HEART RATES**
AWAKE: 04:15 - 22:30**ALL HEART RATES**
ASLEEP: 22:30 - 04:15**HEART RATE RELATED HRV**

5-Min QTY	HEART RATE	SDNN
0	>= 170	0
0	140 - 169	0
0	110 - 139	0
5	80 - 109	49
250	50 - 79	161
0	<= 49	0

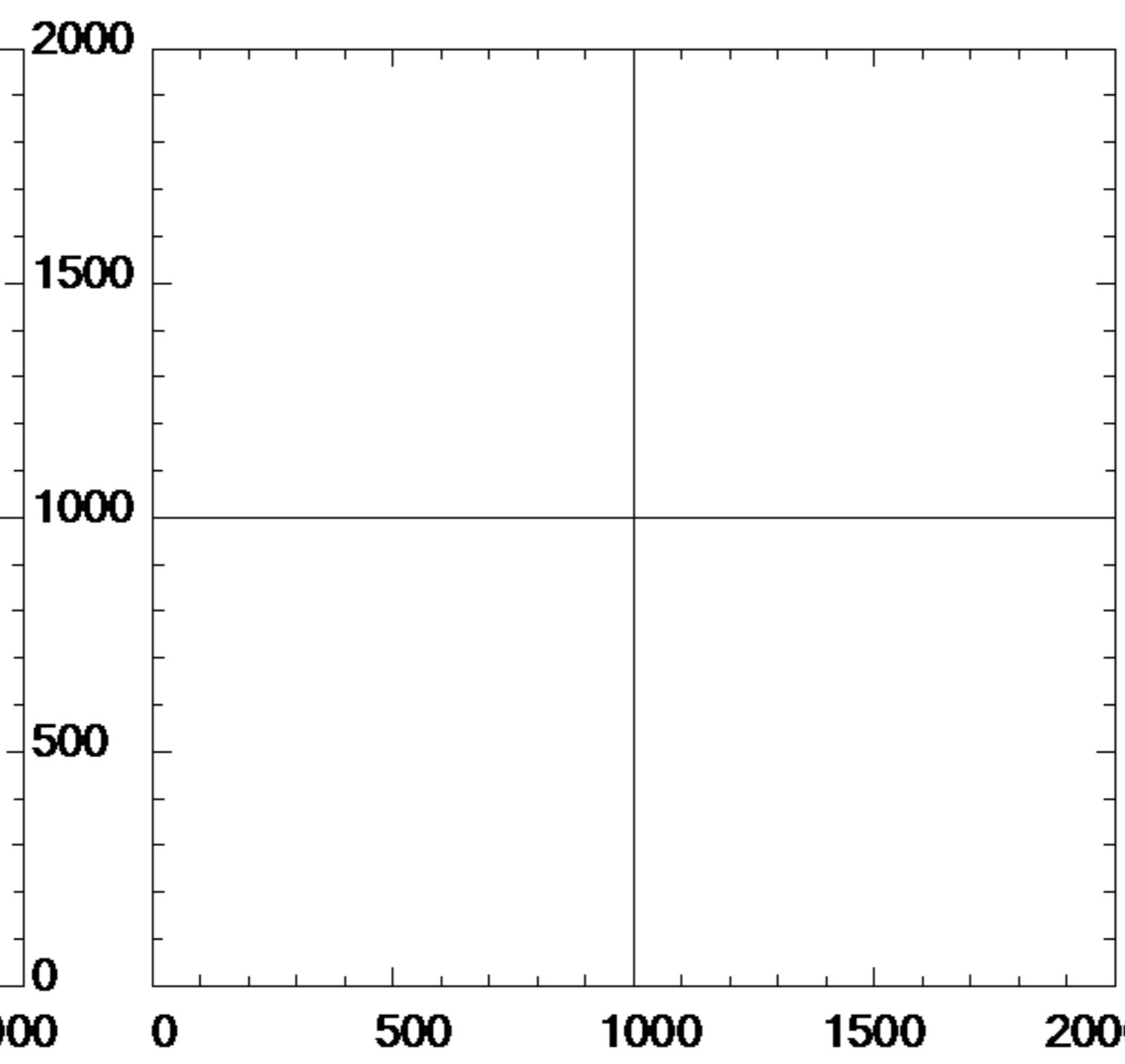
PATIENT RISK (*)
24 HOUR SDNN 80**SPECTRAL POWER**

TOTAL POWER 0.000 to 0.500 Hz	2204.4	VERY LOW FREQUENCY 0.007 to 0.040 Hz	1119.7	LOW FREQUENCY 0.040 to 0.150 Hz	647.5	HIGH FREQUENCY 0.150 to 0.401 Hz	108.9
TIME DOMAIN	Total Beats	Qualified Beats	Mean RR (mSec)	SDANN INDEX (mSec)	SDNN INDEX (mSec)	rMSSD (mSec)	pNN50 (%)
Time: 24 Hours	68643	67883	771.5	80	61	46	2

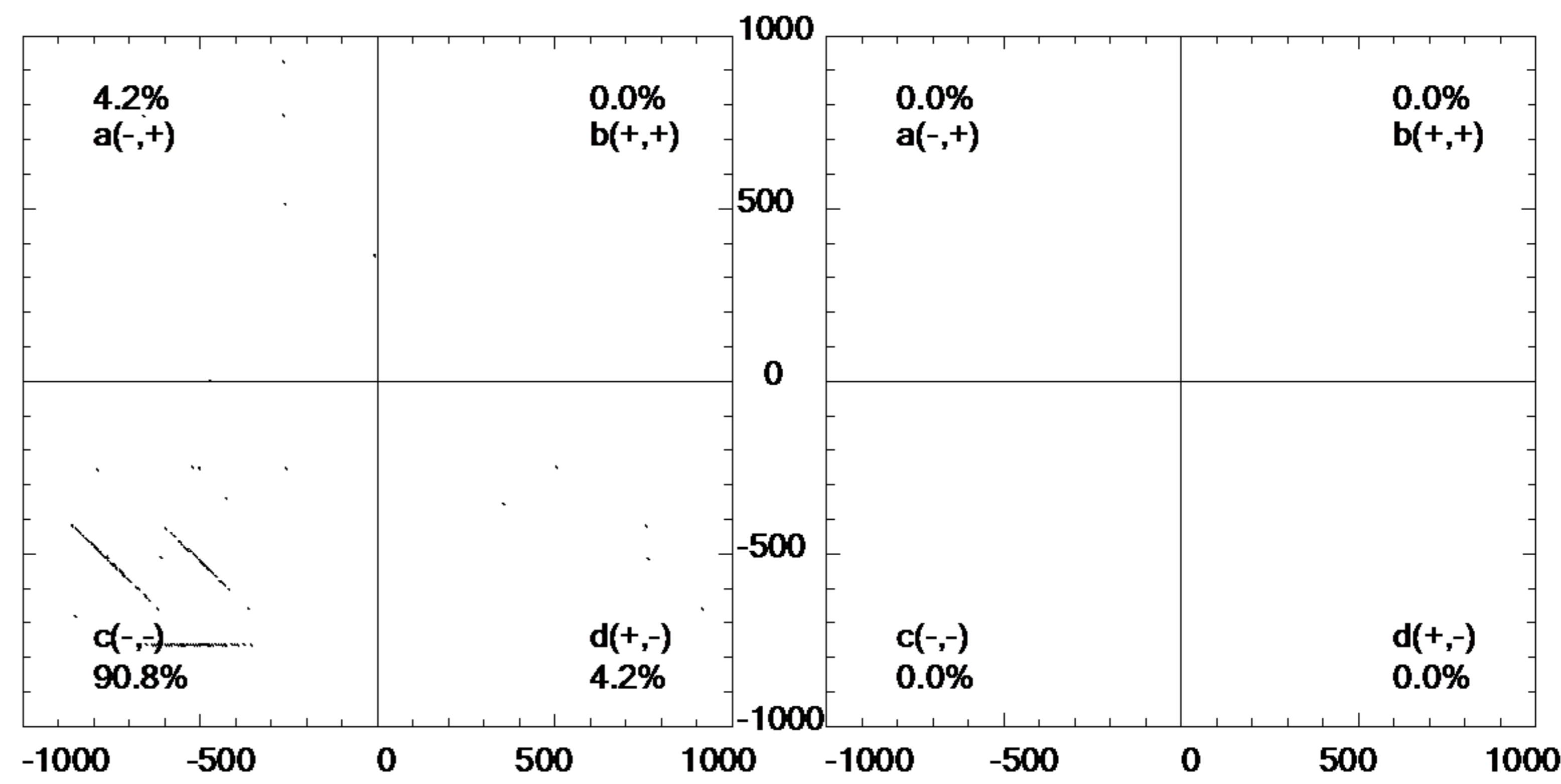
Lorenz Plot - All Beats



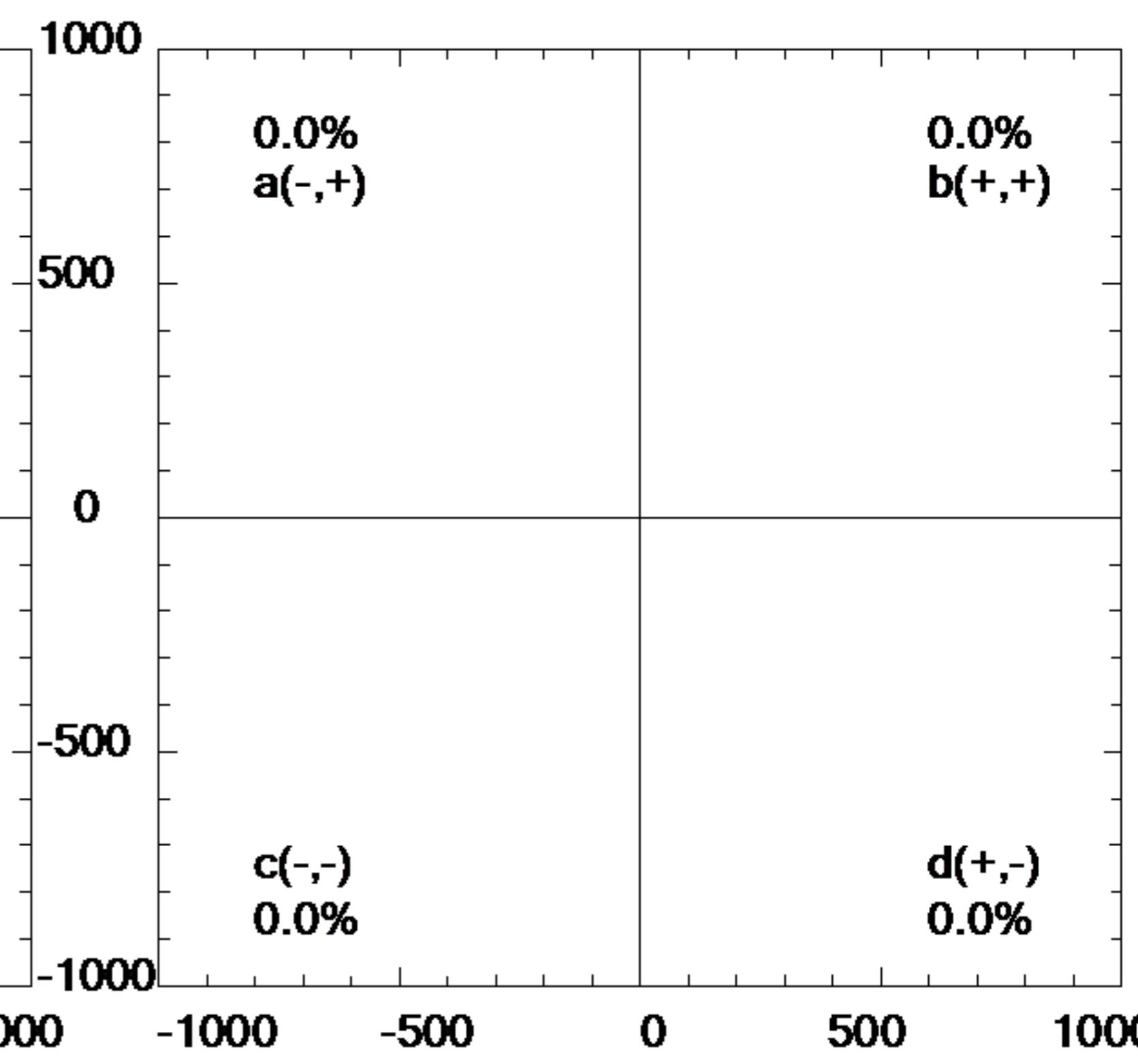
Lorenz Plot - Normal Beats



Modified Plot - All Beats

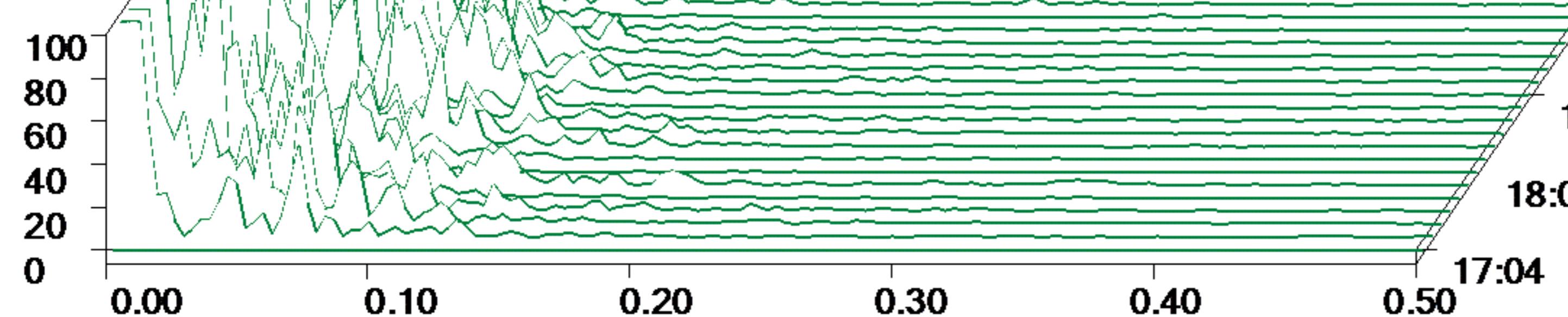


Modified Plot - Normal Beats



24 Hours 3D Power Graph

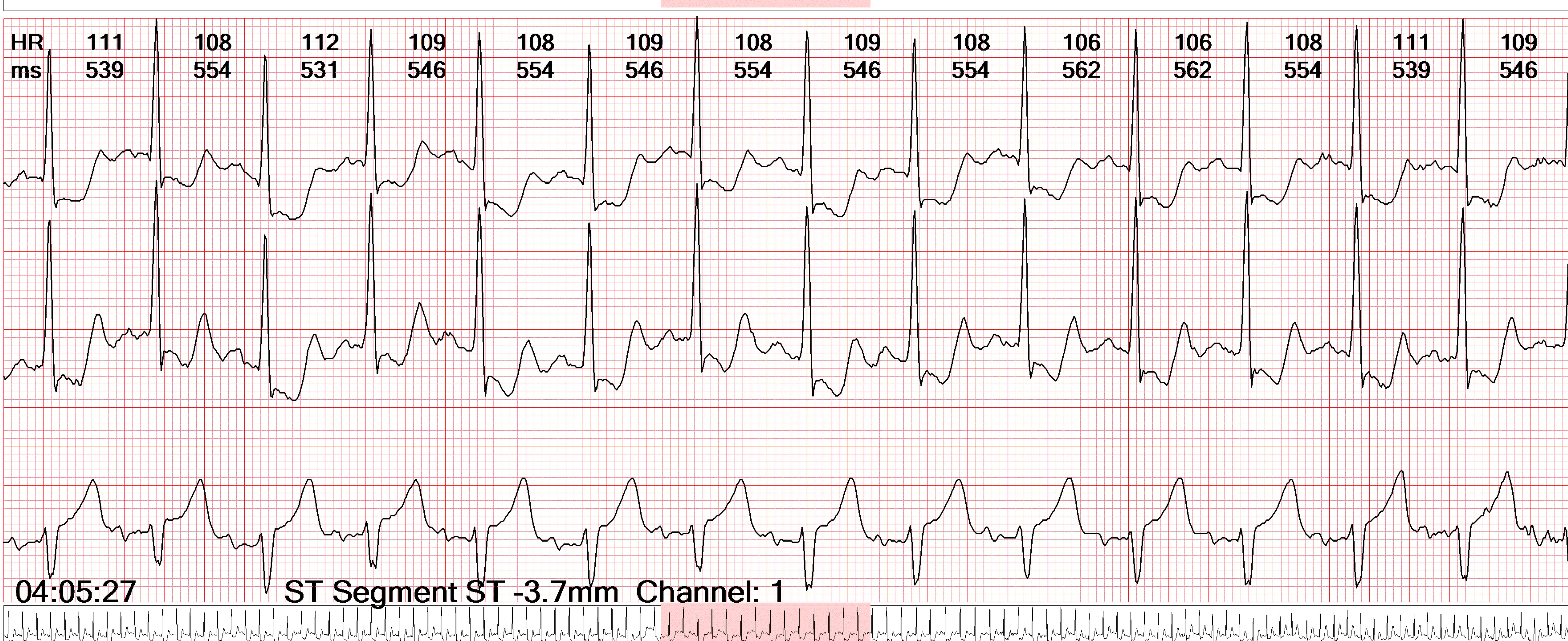
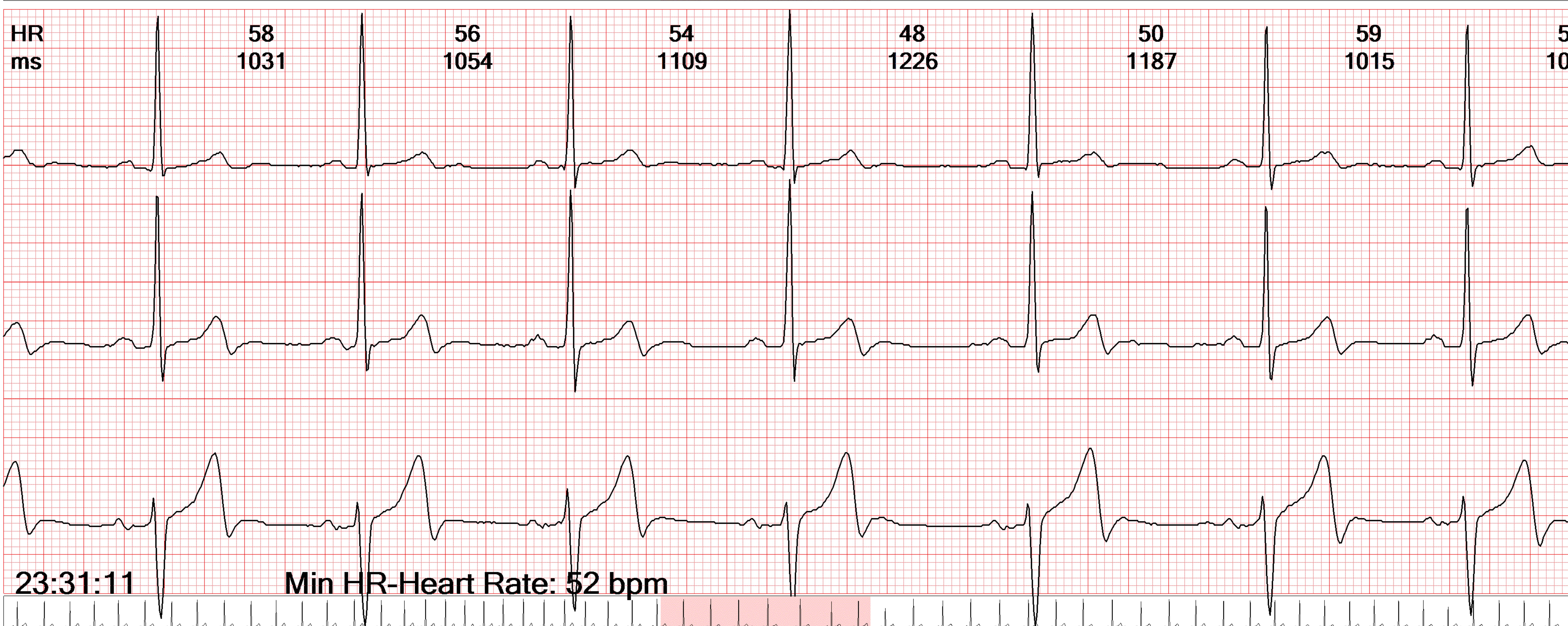
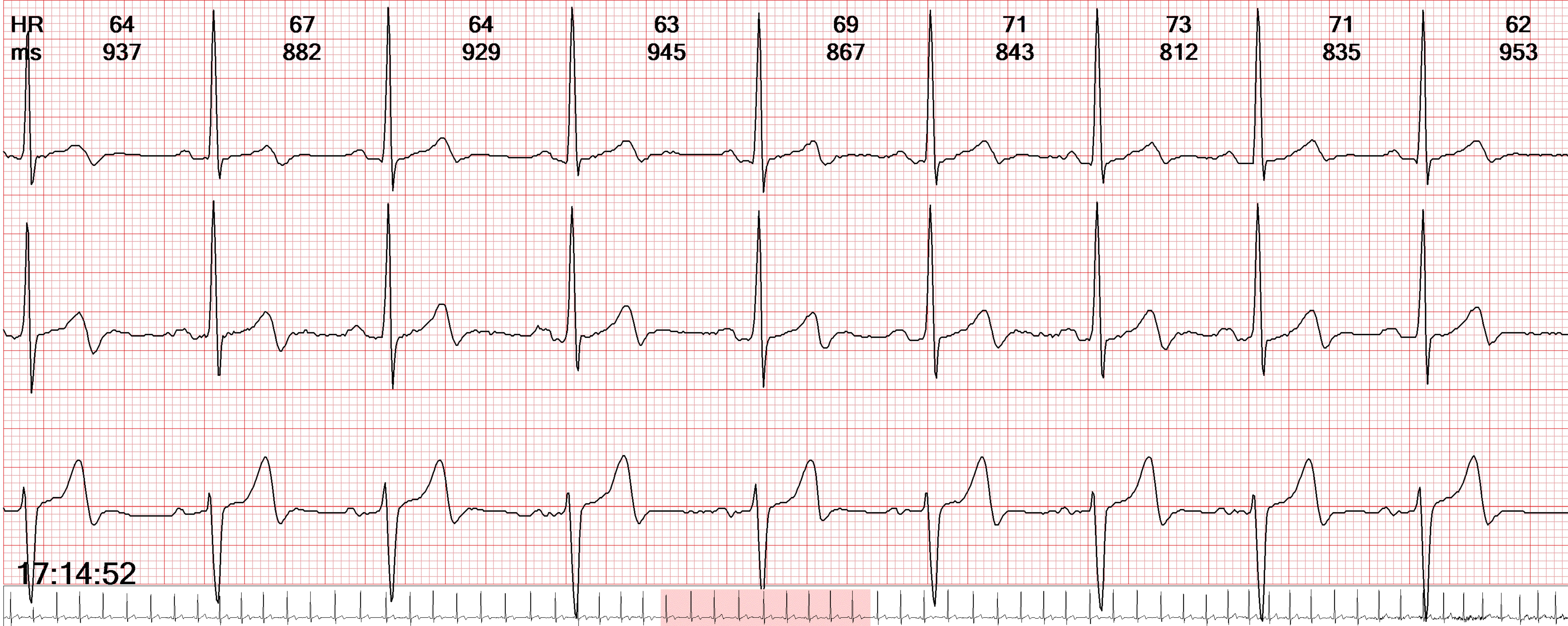
	Actual	Normal
Total Power:	2204.4	750-12000
VLF Power:	1119.7	400-1750
LF Power:	647.5	300-1750
HF Power:	108.9	50-120
LF/HF Ratio:	5.9:1	1-3
SDNN:	80	102-180
pNN50:	2	
% Sympathetic:	94.2%	
% ParaSympathetic:	5.8%	
Ratio S/P	16.2:1	
Reference Power	3060.4	
Post-Med@30-min	2255.9	
Post-Med@1-hour	2272.0	
Post-Med@2-hours	2363.8	
Post-Med@4-hours	3453.9	
Post-Med@8-hours	2165.6	

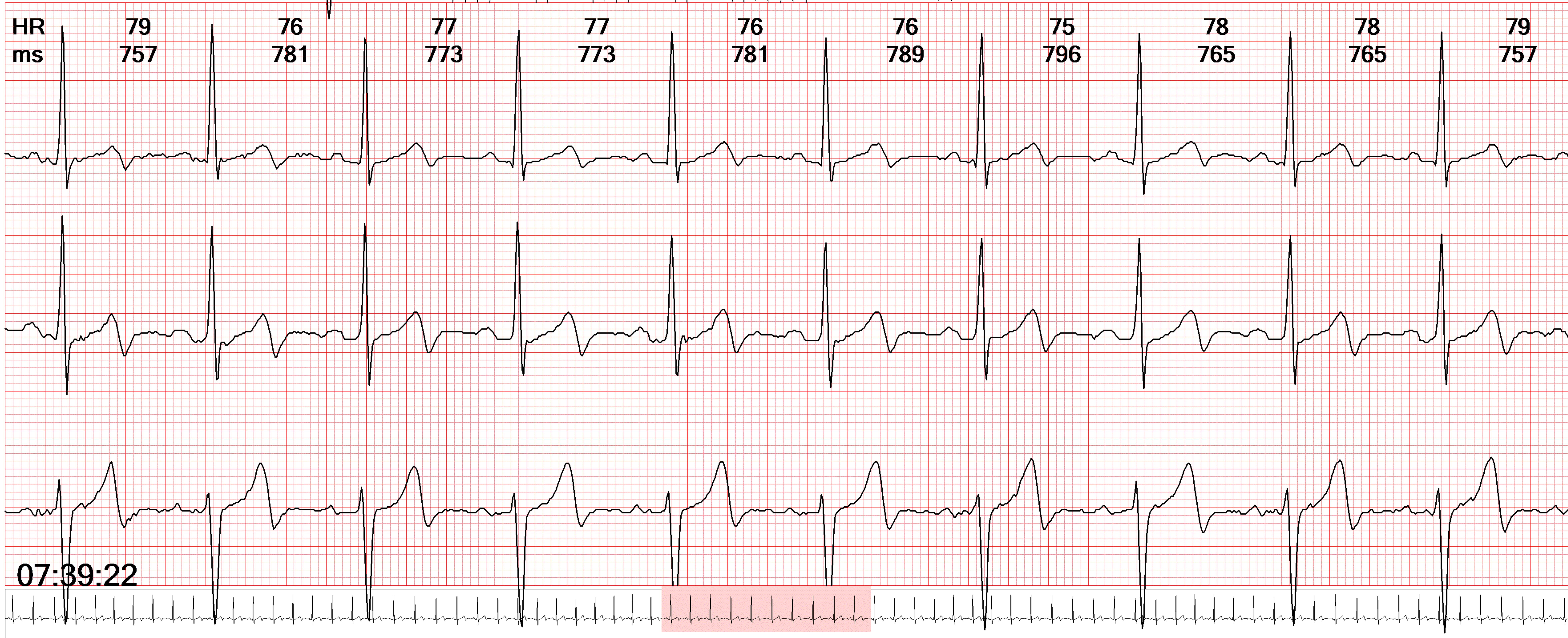
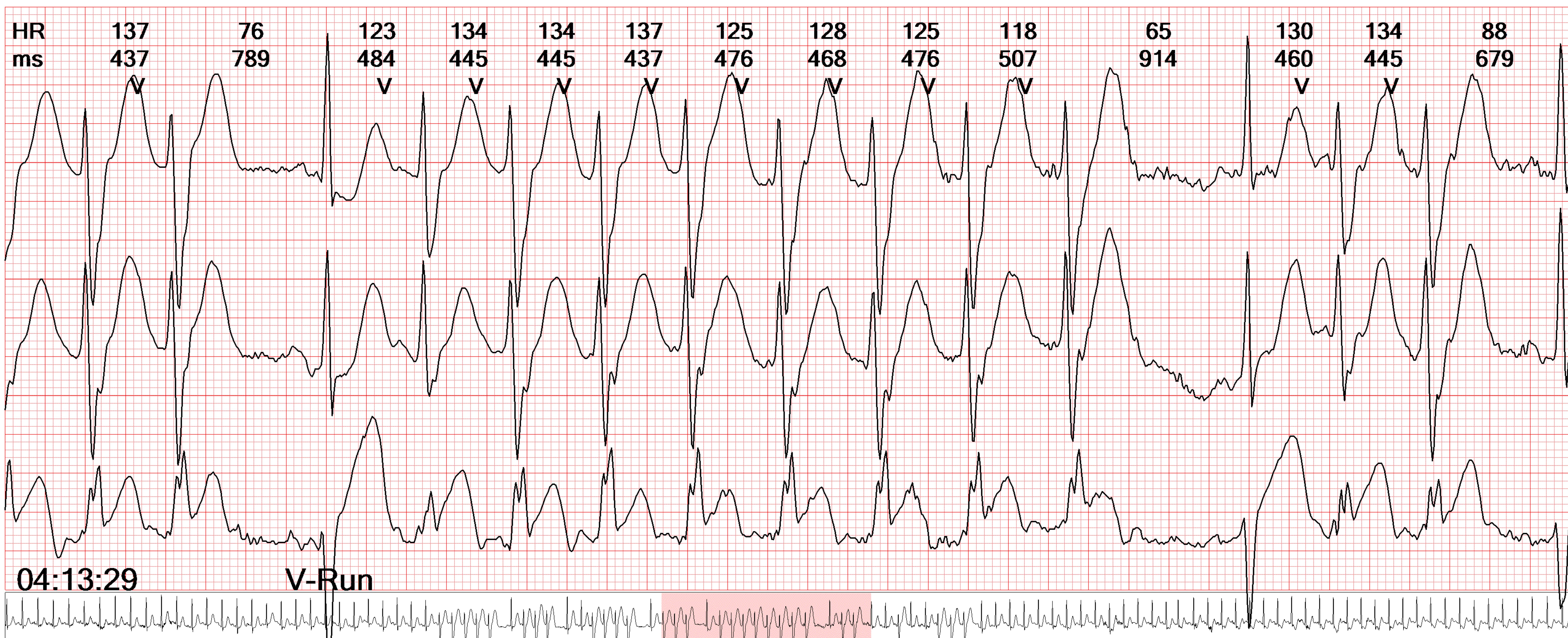
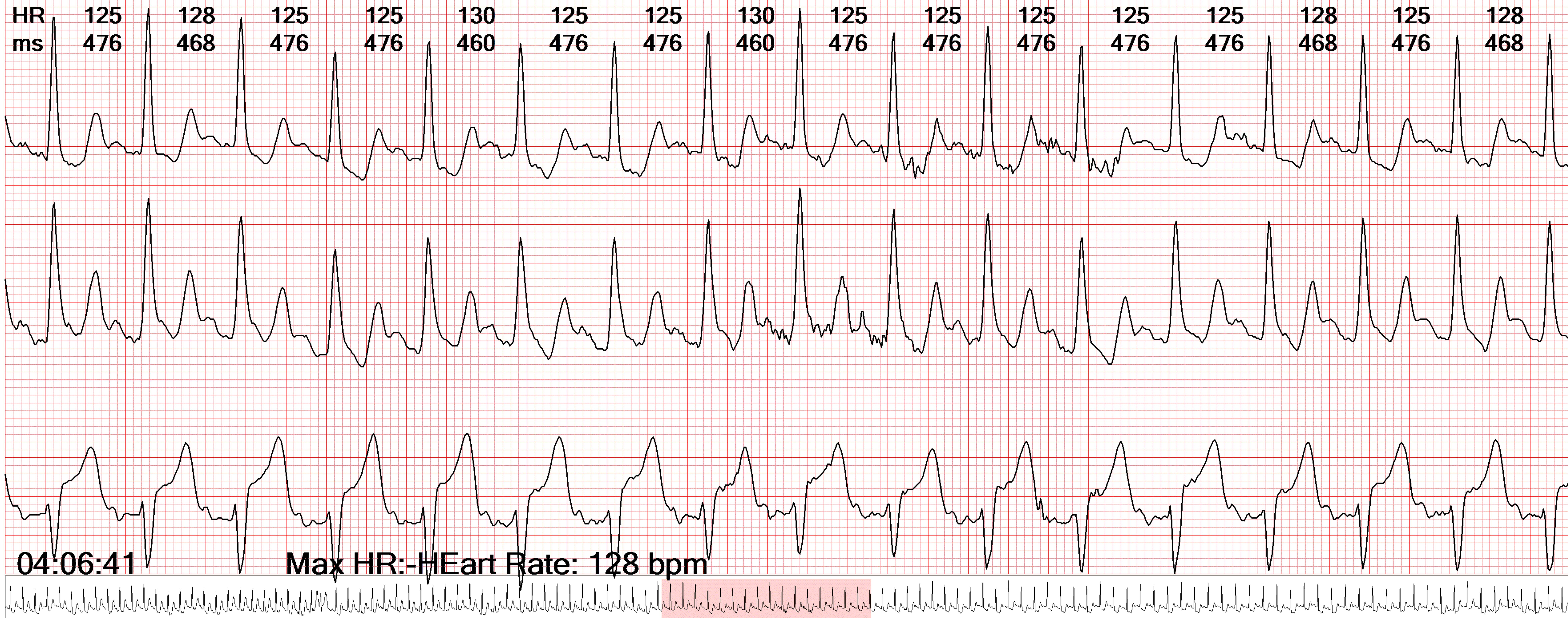


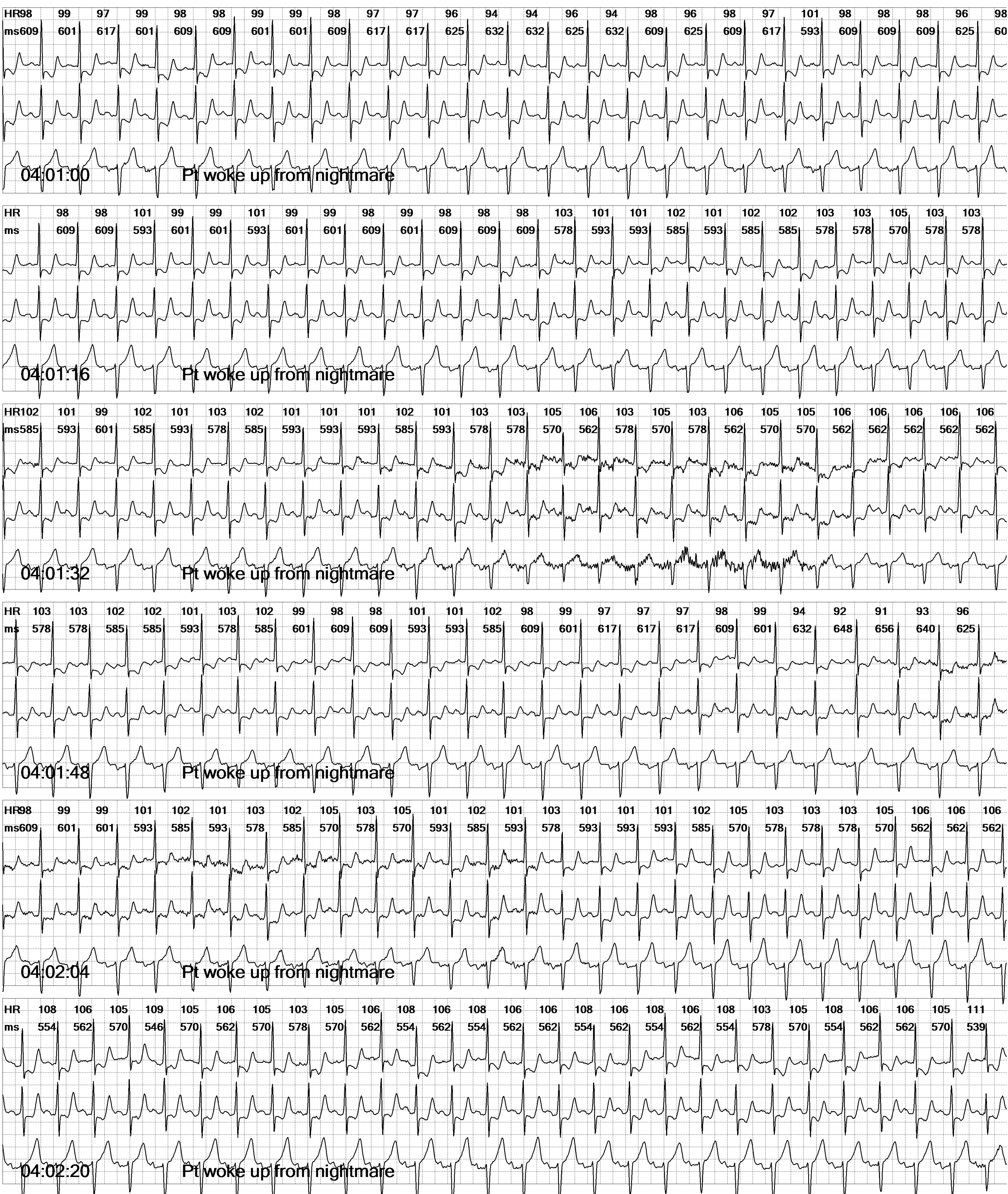
Comments

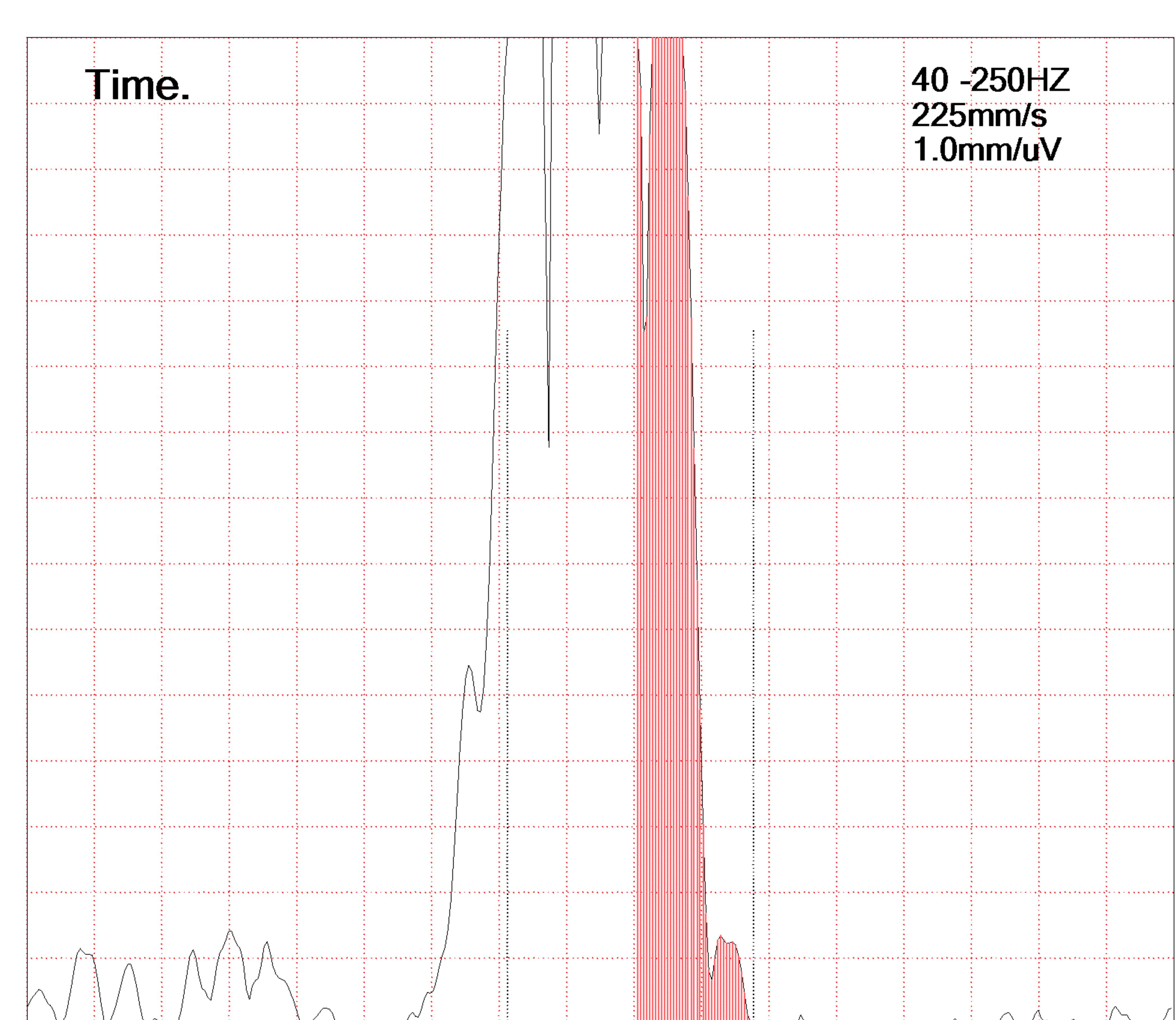
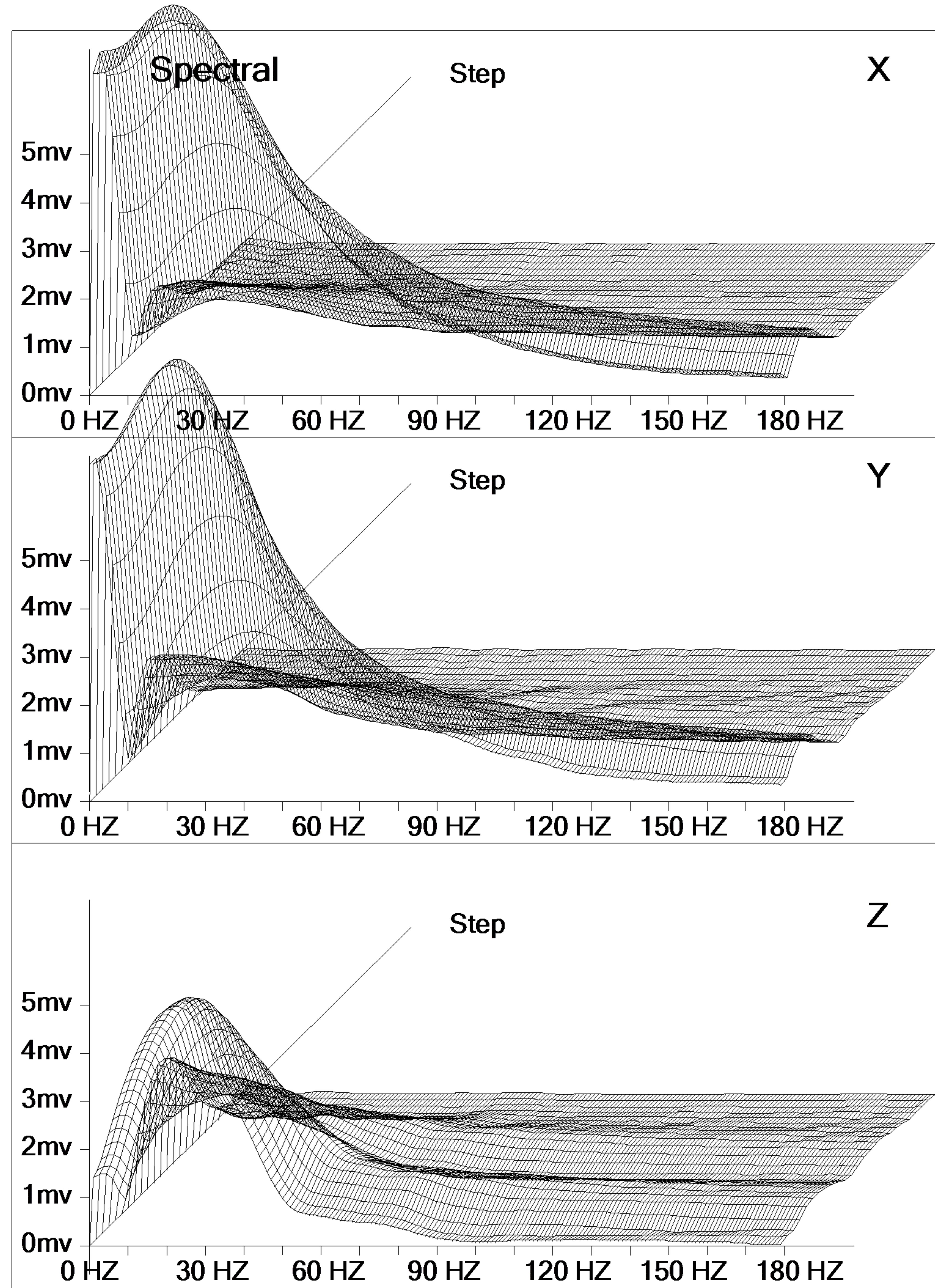

Medications: 19:04

Physician Signature: _____









COMMON	Duration(ms)	RMS Voltages (uV)
Filter : 40-250Hz	Std QRS	77 Last 40ms 194
Cycle : 511	Total QRS	83 SD of Noise 0.20 uV
	LAS<40 uV	19

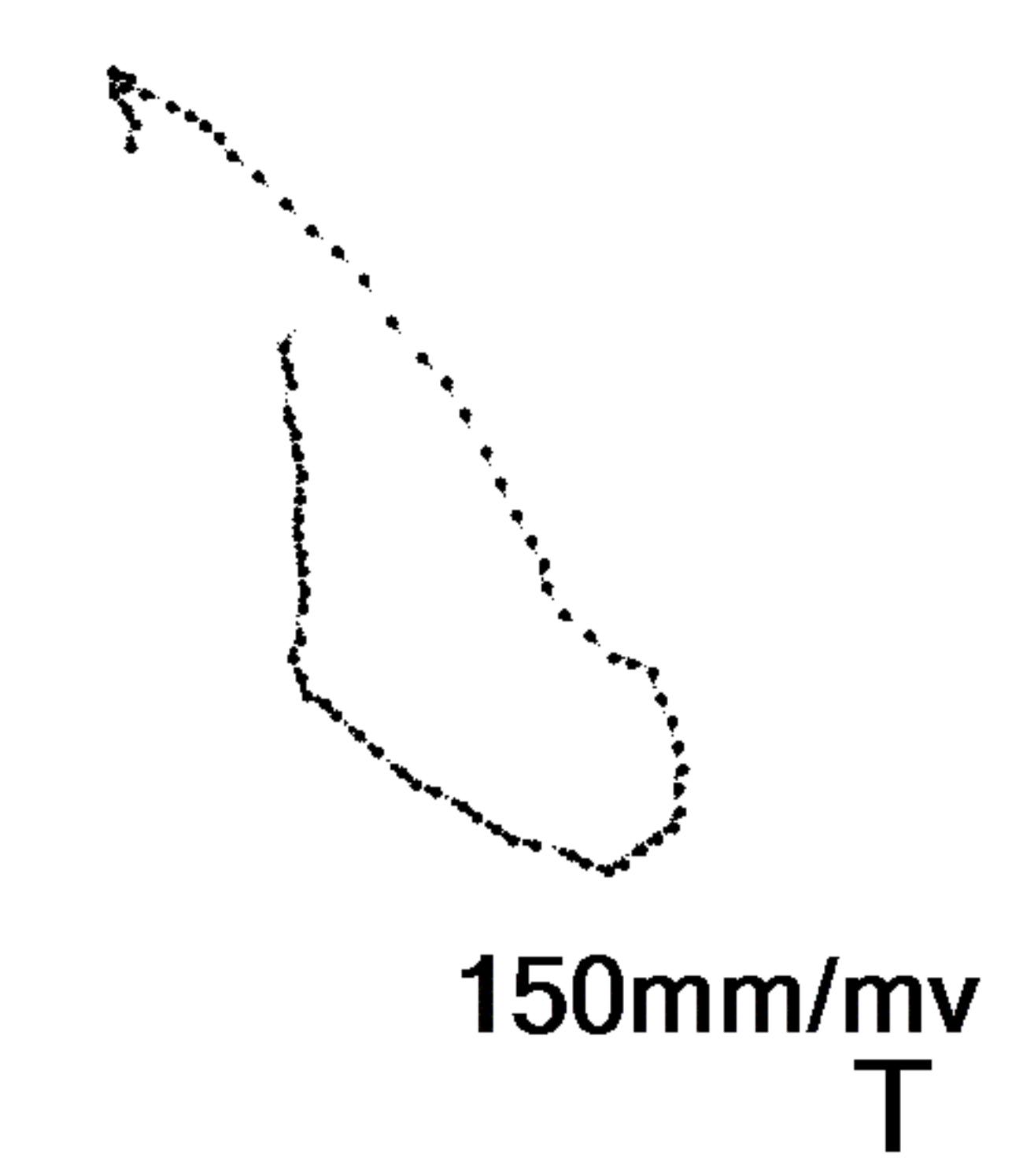
Frontal Plane (X - Y)

25mm/mv

X

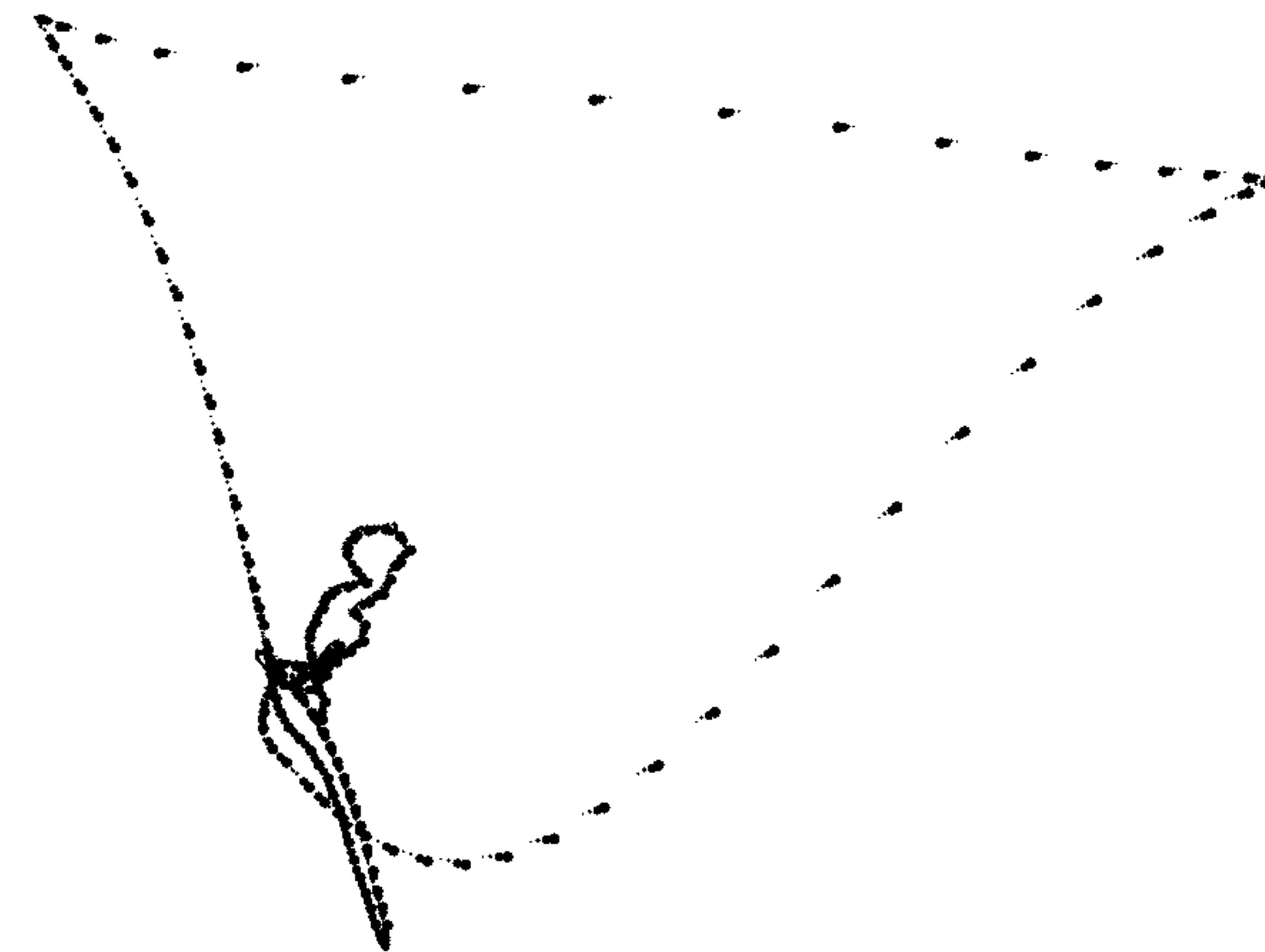


P

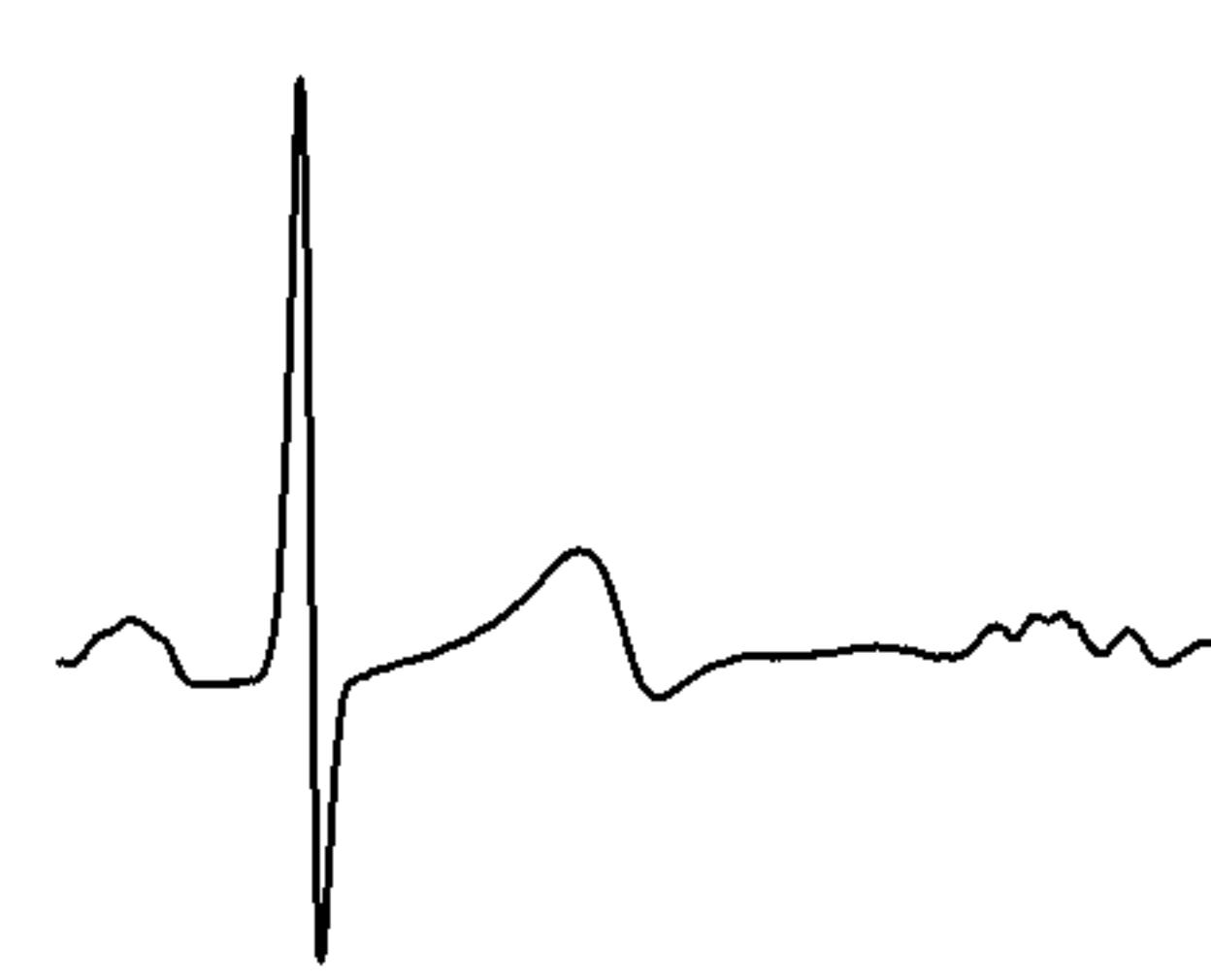


Horizontal Plane (X - Z)

Y



P



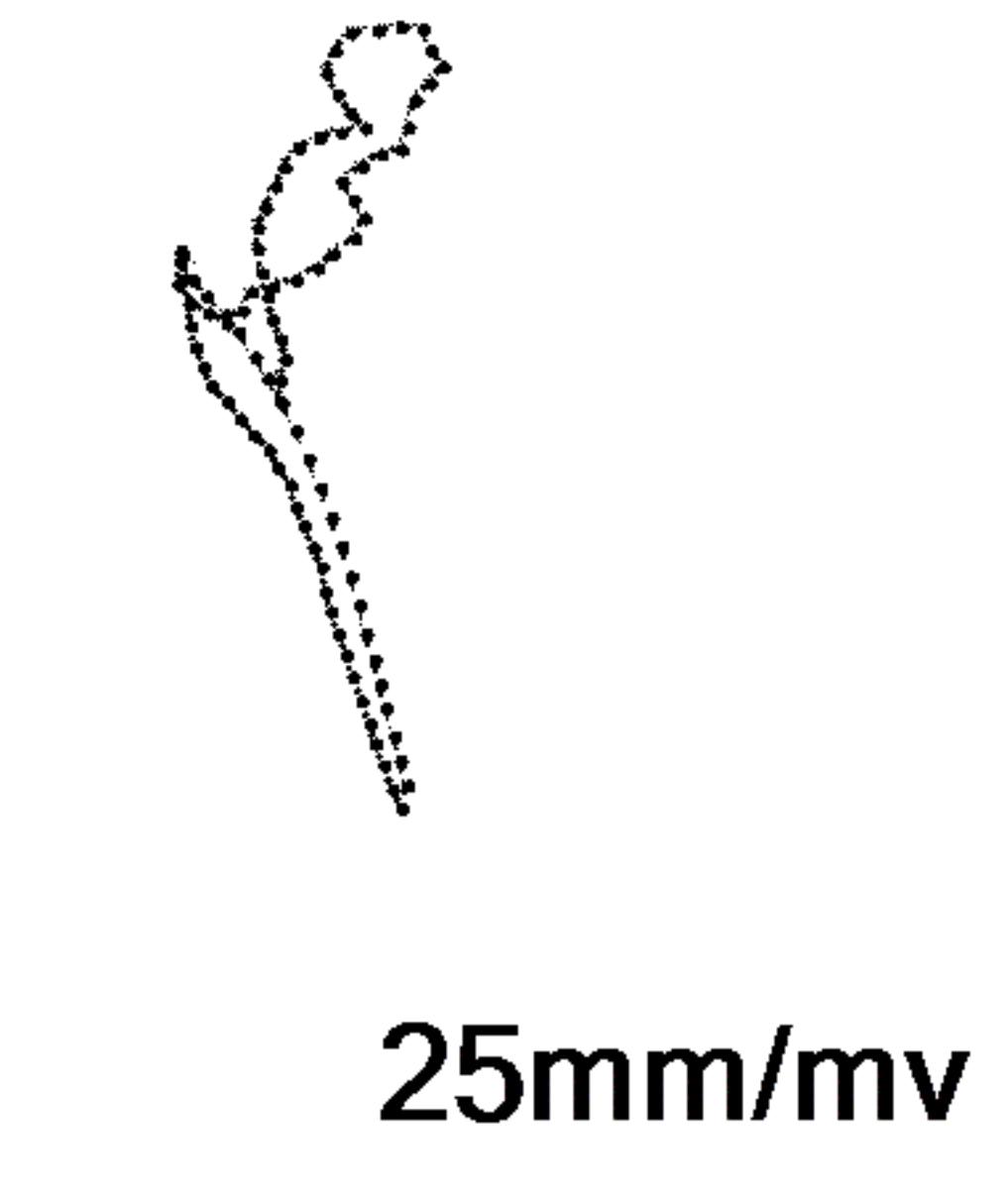
25mm/mv

150mm/mv
T

25mm/mv

Right Saggital Plane (Z - Y)

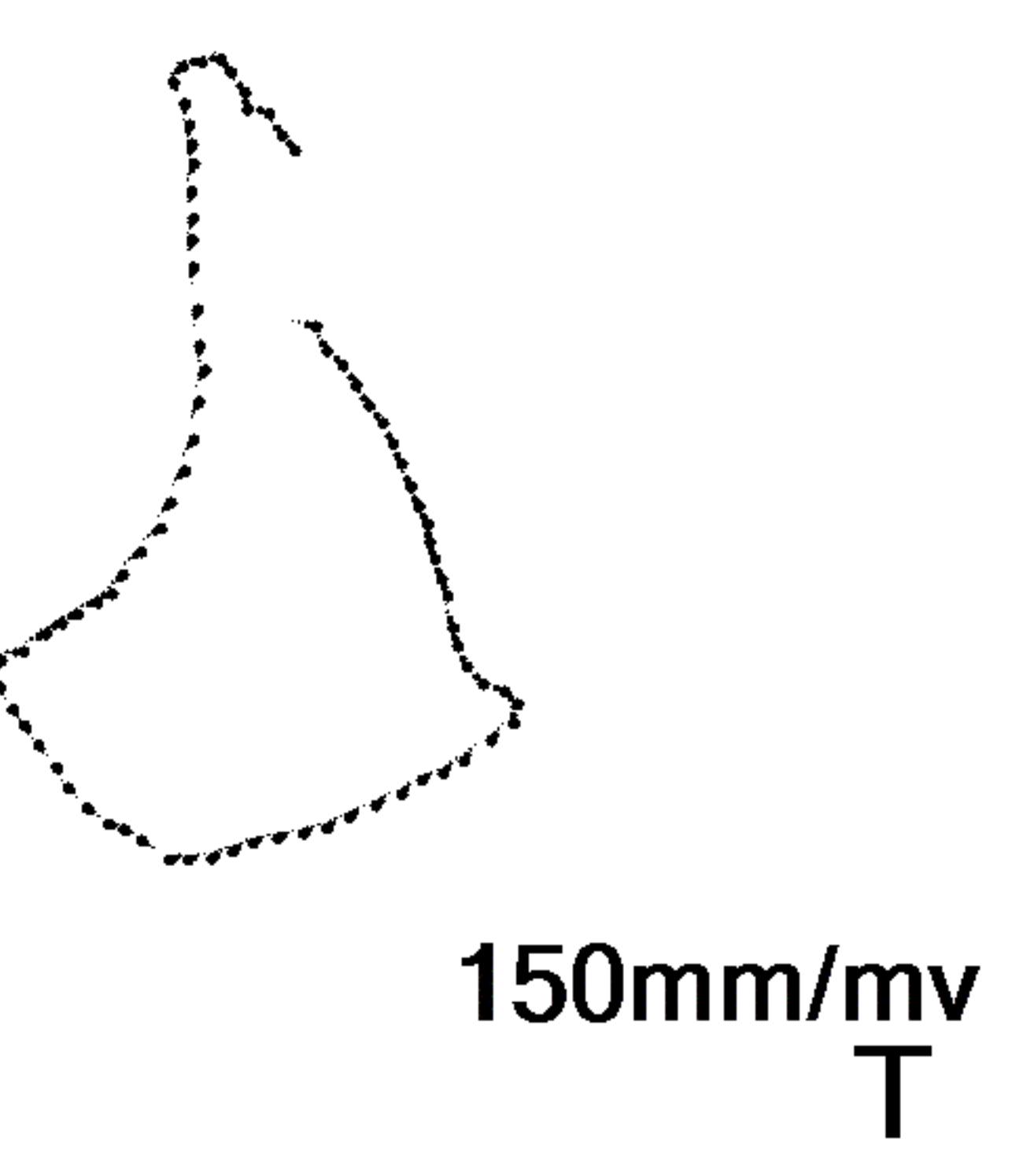
Z

25mm/s
10mm/mv

P

25mm/mv

25mm/mv

25mm/s
10mm/mv

25mm/mv



