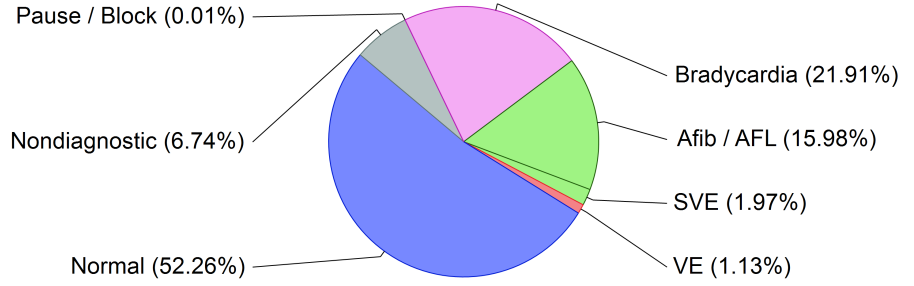


## Mobile Cardiac Telemetry - End of Study Report

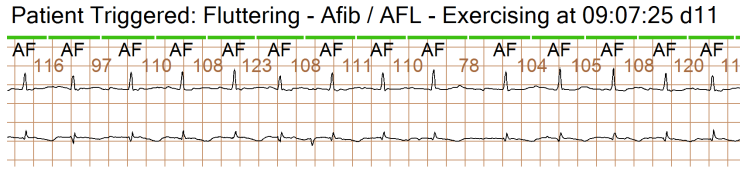
**Ordering physician: Ordering Physician**  
 Physician's phone: +88 003211123  
 Physician's address: 245 West 207th St.Suite 11A  
 New York, NY 10025  
 USA  
**Interpreting physician: Interpreting Physician**  
 Referring physician: not set  
 Begin: Jul-22 12:51 End: 2016-Aug-21 12:51  
 Study duration: 30d 0h 0m (2420640 beats)  
**Reason: not set**



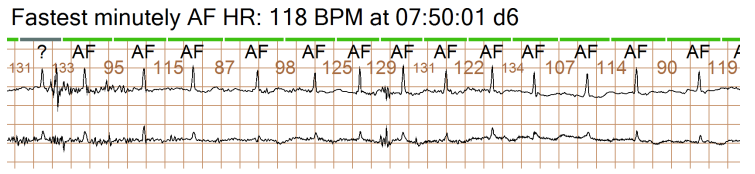
### Arrhythmia Summary

**Patient Triggered 41 events total**  
 With symptoms: 41 events  
 Correlated with arrhythmias: 41 events  
**Most frequent (26 events): Fluttering | Afib / AFL** → [page 11](#)  
 Second frequent (6 events): Fluttering | Isolated SVE

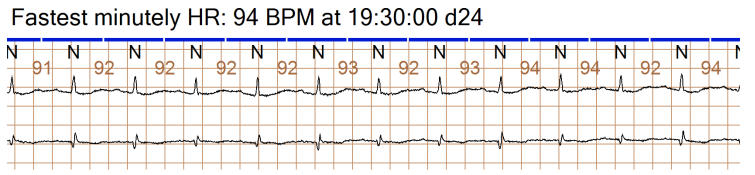
### ECG Strips



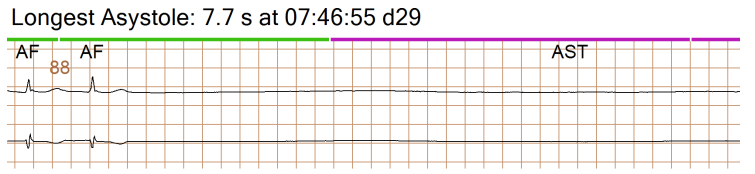
**Atrial Fibrillation / Flutter 15.98 %**  
 Fastest minutely rate: 118 BPM at 07:50 d6 → [page 10](#)  
 Fastest minutely rate (rest): 118 BPM at 07:50 d6  
 Average minutely rate: 81 BPM  
 Longest episode: 8h 32m 23s at 21:40 d24



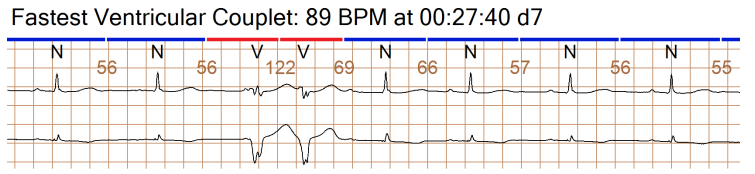
**Sinus Rhythm 52.26 % Normal and 21.91 % Bradycardia**  
 Fastest minutely rate: 94 BPM at 19:30 d24 → [page 11](#)  
 Fastest minutely rate (rest): 92 BPM at 15:47 d22  
 Average minutely rate: 52 BPM  
 Slowest minutely rate: 30 BPM at 12:37 d6



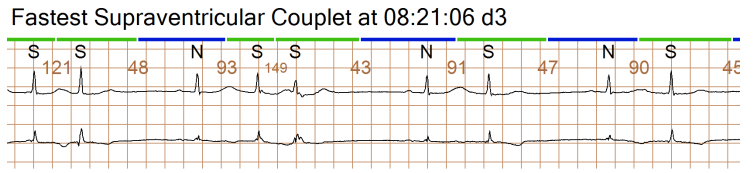
**Pause / Block <0.01 %**  
 Missed Beat: -  
 Pause (>2 s): 107 episodes  
 Asystole (>3.5 s): 6 episodes → [page 12](#)  
 Slowest Bradycardia N-N: 18 BPM at 08:23 d17



**Ventricular 1.13 %** → [page 11](#)  
 Single | Couplet | Triplet: 31017 | 1 | 0 episodes  
 Runs (>3 beats): -  
 Longest run: -  
 Fastest run: -



**Supraventricular 1.97 %** → [page 10](#)  
 Single | Couplet | Triplet: 56933 | 367 | 0 episodes  
 Runs (>3 beats): -  
 Longest run: -  
 Fastest run: -

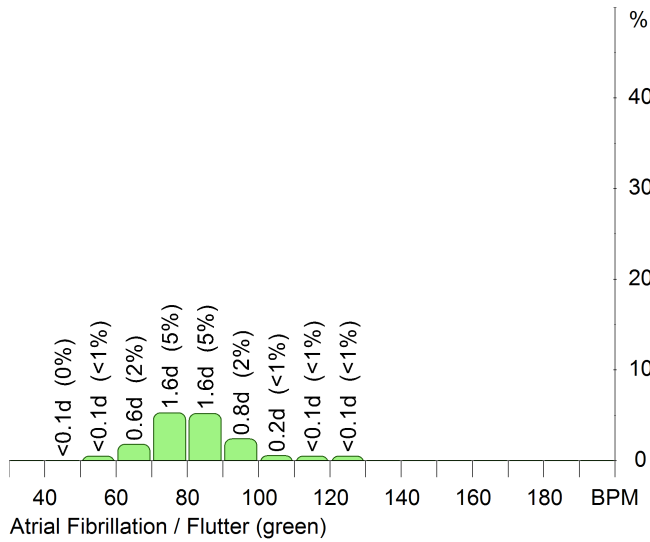
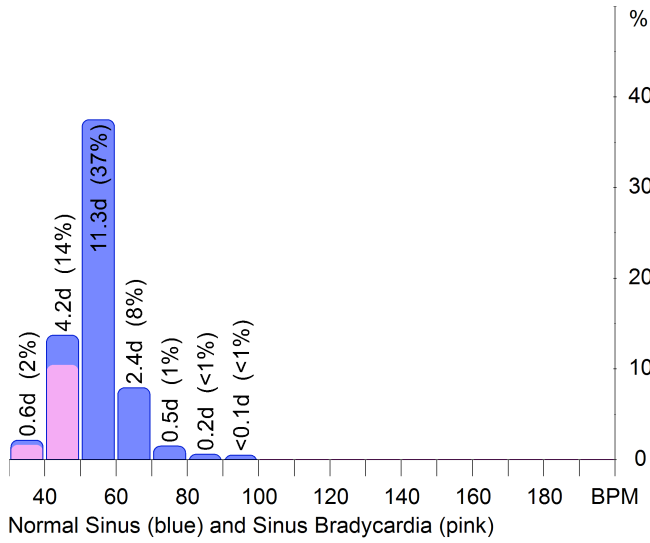


Most frequent symptomatic event: Fluttering during Afib / AFL (26/41 events). Atrial Fibrillation / Flutter with burden 15.98% and fastest minutely rate of 118 BPM (day 6 at 07:50). Sinus Rhythm with burden 74.17% and fastest minutely rate of 94 BPM (day 24 at 19:30). Longest asystole with duration of 7.7 s (day 29 at 07:47). Ventricular ectopy with burden 1.13% and fastest couplet with rate of 89 BPM (day 7 at 00:27). Supraventricular ectopy with burden 1.97% and fastest couplet with rate of 121 BPM (day 3 at 08:21).  
 Detailed diagnostic notes on page 4.

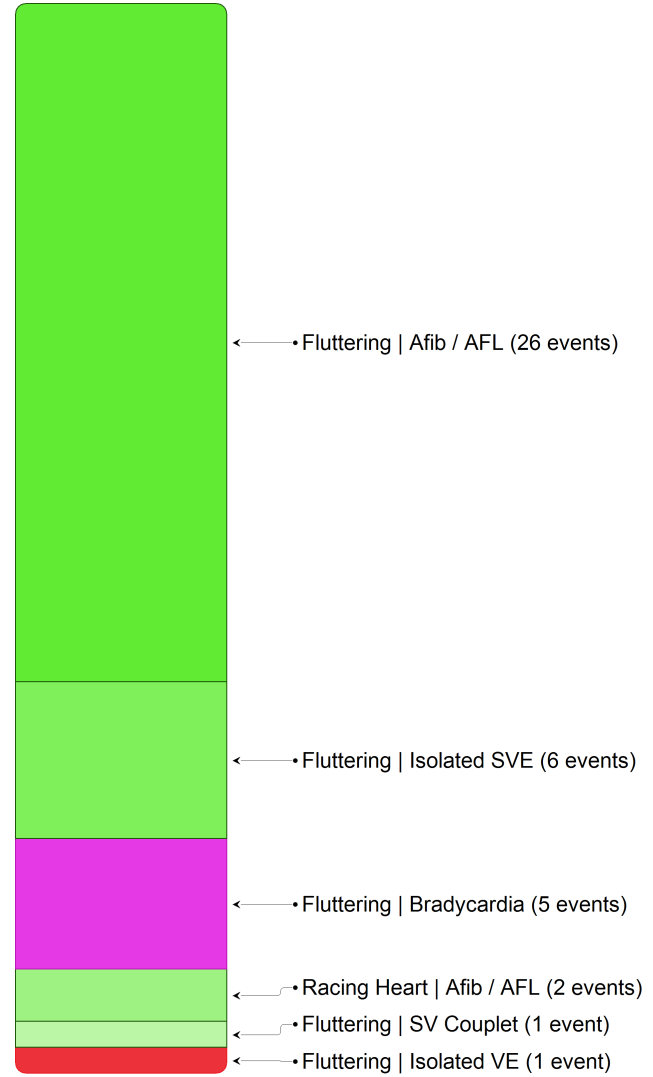
Diagnostic findings

Physician interpretation

### Rate & Rhythm Distribution



### Patient Triggered Events Distribution



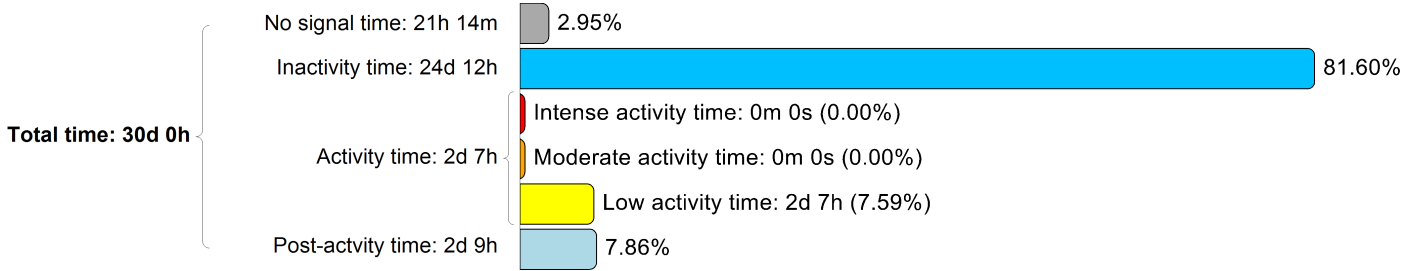
### Index of Automatic Arrhythmia ECG Examples

- Day 01: Ventricular Bigeminy: 3 cycles → [page 10](#)
- Day 03: Fastest Supraventricular Couplet → [page 10](#)
- Day 06: Fastest minutely AF HR: 118 BPM at 07:50:01 d6 → [page 10](#)
- Day 07: Fastest Ventricular Couplet: 89 BPM → [page 11](#)
- Day 24: Fastest minutely HR: 94 BPM at 19:30:00 d24 → [page 11](#)
- Day 29: Longest Asystole: 7.7 s → [page 12](#)

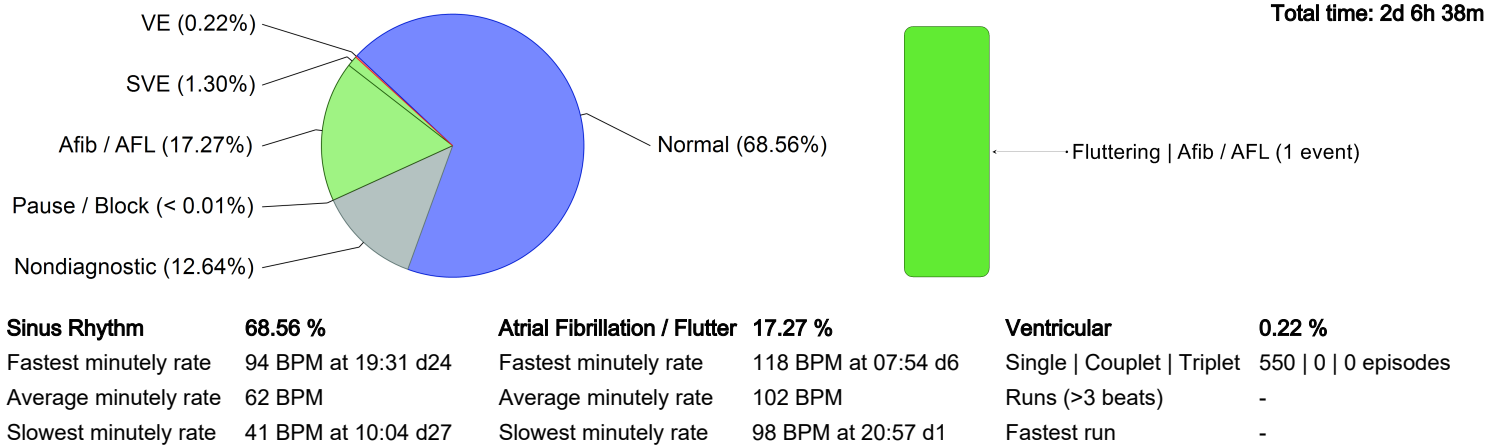
### Index of Patient Triggered Examples

- Day 11: Fluttering | Afib / AFL → [page 11](#)
- Day 24: Fluttering | Afib / AFL → [page 12](#)
- Day 28: Fluttering | Afib / AFL → [page 12](#)

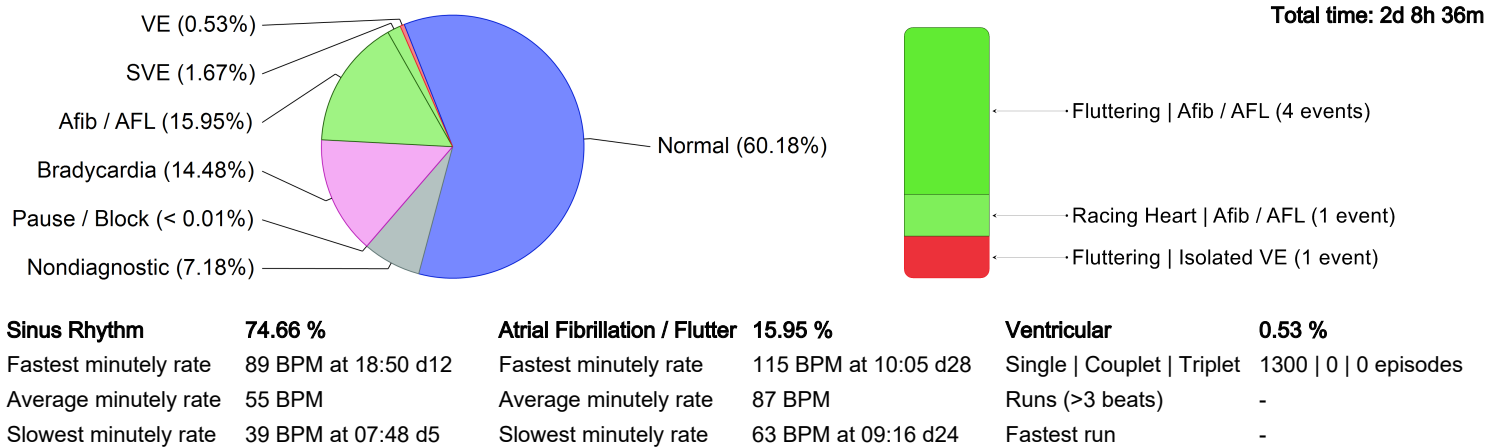
### Activity vs Inactivity



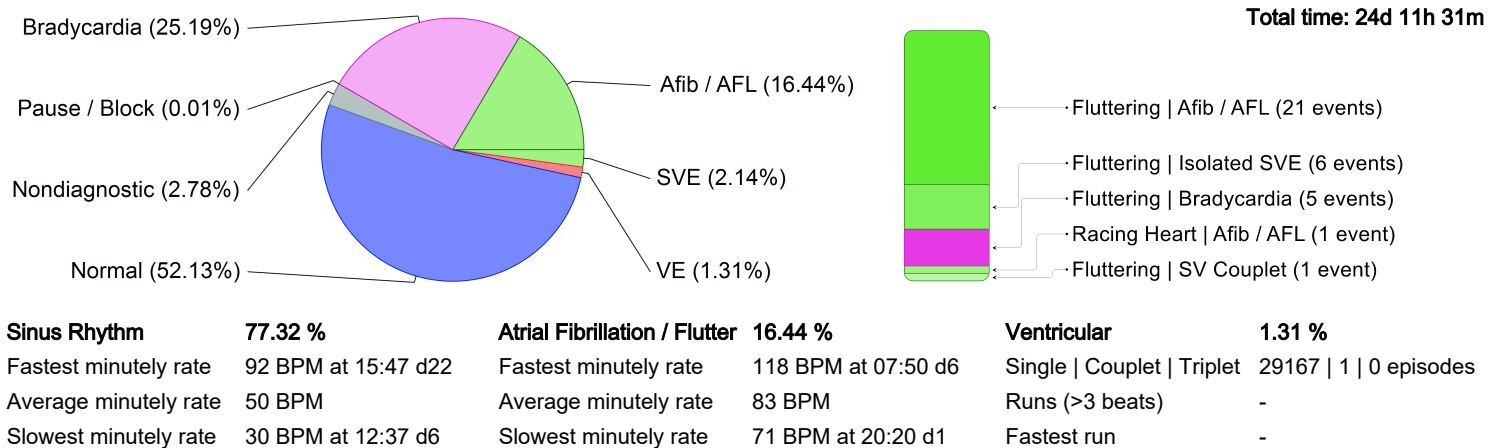
### Activity vs Arrhythmia vs Symptoms



### Post-activity (120s) vs Arrhythmia vs Symptoms



### Inactivity vs Arrhythmia vs Symptoms



### Atrial Fibrillation / Flutter Details

	Total: 205 episodes	Nighttime (00:00 - 06:00): 26 episodes	Daytime (06:00 - 00:00): 179 episodes
<b>Burden:</b>	<b>15.98 %</b>	<b>13.87 %</b>	<b>16.69 %</b>
Total time:	115h 4m 42s	24h 58m 22s	90h 6m 20s
<b>Longest time:</b>	<b>8h 32m 23s at 21:40 d24</b>	<b>5h 55m 6s</b>	<b>5h 42m 39s</b>
Average time:	0h 33m 40s	0h 48m 19s	0h 26m 28s
Shortest time:	-	0h 0m 2s	-
<b>Fastest minutely rate:</b>	<b>118 BPM at 07:50 d6</b>	<b>105 BPM at 01:23 d31</b>	<b>118 BPM at 07:50 d6</b>
<b>Fastest minutely rate (rest):</b>	<b>118 BPM at 07:50 d6</b>	<b>too short episode</b>	<b>118 BPM at 07:50 d6</b>
Average minutely rate:	81 BPM	78 BPM	82 BPM
Slowest minutely rate:	55 BPM at 09:12 d24	60 BPM at 01:36 d23	55 BPM at 09:12 d24

### Sinus Rhythm Details

<b>Burden:</b>	<b>74.17 %</b>	<b>Bradycardia:</b>	<b>34229 episodes</b>	<b>Pause / Block:</b>	<b>113 episodes</b>
Fastest minutely rate:	94 BPM at 19:30 d24	Longest:	2788 beats at 09:48 d18	Missed Beat:	-
Fastest minutely rate (rest):	92 BPM at 15:47 d22	Slowest N-N:	18 BPM at 08:23 d17	Pause:	107 episodes
Average minutely rate:	52 BPM	Burden:	21.91 %	Asystole:	6 episodes
Slowest minutely rate:	30 BPM at 12:37 d6	Total time:	157h 45m 3s	Longest:	7.69 s at 07:47 d29

### Ventricular Details

<b>Total Ventricular Ectopy:</b>	<b>31019 beats</b>
Max VE/min:	30 beats at 15:55 d5
Max VE/hour:	1045 beats at 14:00 d20
<b>Ventricular Trigeminy:</b>	<b>2784 cycles</b>
Longest:	34 cycles at 07:27 d5
<b>Ventricular Bigeminy:</b>	<b>10913 cycles</b>
Longest:	72 cycles at 19:18 d14
<b>Ventricular Couplet:</b>	<b>1 episodes</b>
Fastest:	89 BPM at 00:27 d7
<b>Ventricular Triplet:</b>	-
Fastest:	-
<b>Ventricular Tachycardia:</b>	-
Longest:	-
Fastest:	-
<b>IVR/AIVR:</b>	-
Longest:	-
Slowest:	-

### Supraventricular Details

<b>Total Supraventricular Ectopy:</b>	<b>599351 beats (57654 non-AF)</b>
Max SVE/min:	110 beats at 10:12 d28
Max SVE/hour:	5453 beats at 17:00 d11
<b>Supraventricular Trigeminy:</b>	<b>6722 cycles</b>
Longest:	66 cycles at 20:50 d18
<b>Supraventricular Bigeminy:</b>	<b>17804 cycles</b>
Longest:	139 cycles at 03:56 d29
<b>Supraventricular Couplet:</b>	<b>367 episodes</b>
Fastest:	121 BPM at 08:21 d3
<b>Supraventricular Triplet:</b>	-
Fastest:	-
<b>Supraventricular Run:</b>	-
Longest:	-
Fastest:	-
<b>Atrial Fibrillation / Flutter:</b>	<b>205 episodes</b>
Burden:	15.98 %
Total time:	115h 4m 42s

### Detailed Diagnostic Notes

Monitoring started on 2016-Jul-22 at 12:51 and continued for 29 days and 23 hours.

Most frequent symptomatic event: Fluttering during Afib / AFL (26/41 events).

The rhythm was Sinus with burden 74.17%, average minutely rate of 52 BPM, slowest minutely rate of 30 BPM, occurring on day 6 at 12:37 and fastest minutely rate of 94 BPM, occurring on day 24 at 19:30.

The slowest N-N interval within Bradycardia had rate of 18 BPM (3.3s), occurring on day 17 at 08:23. Longest asystole with duration of 7.7 s (day 29 at 07:47).

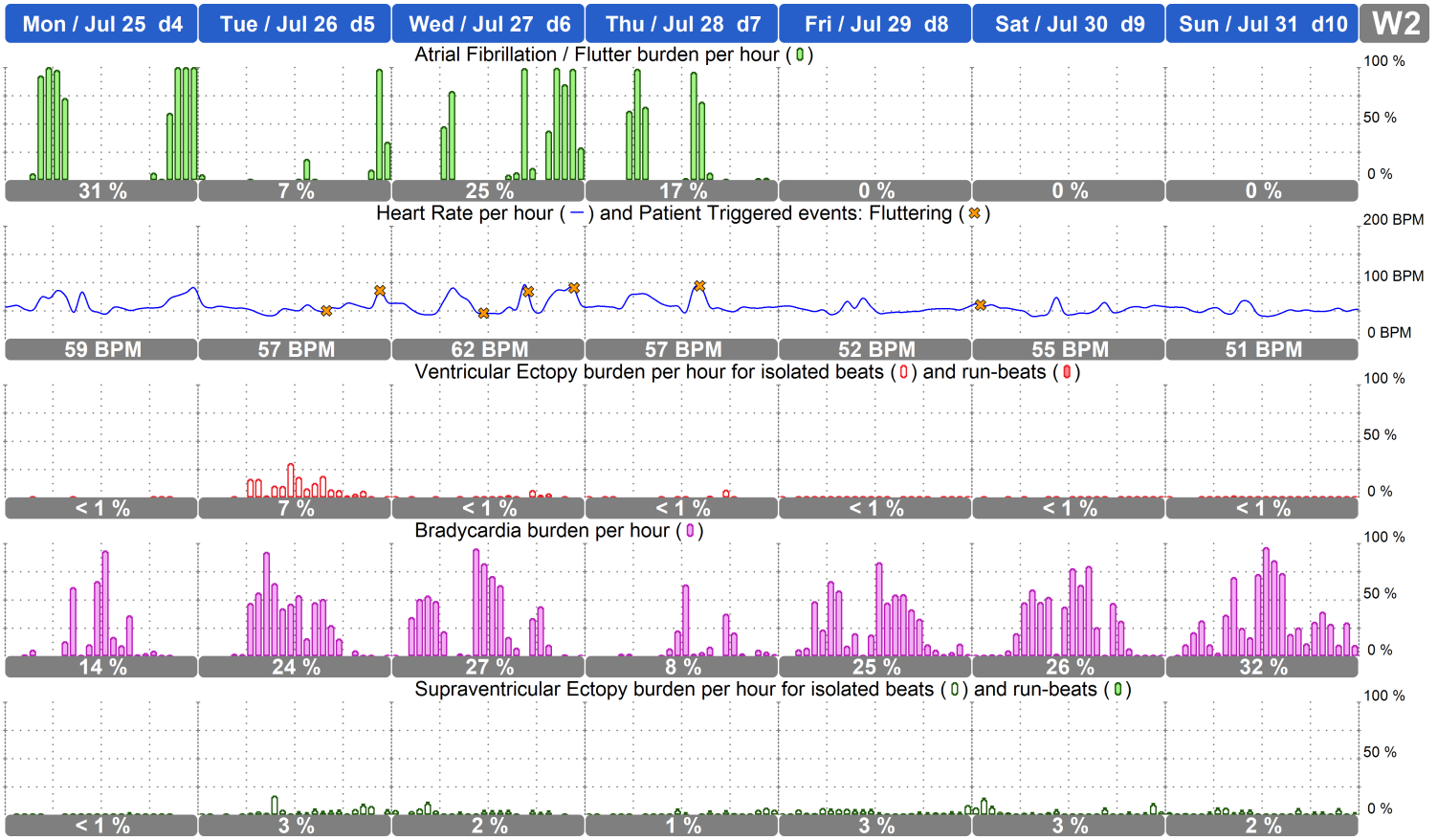
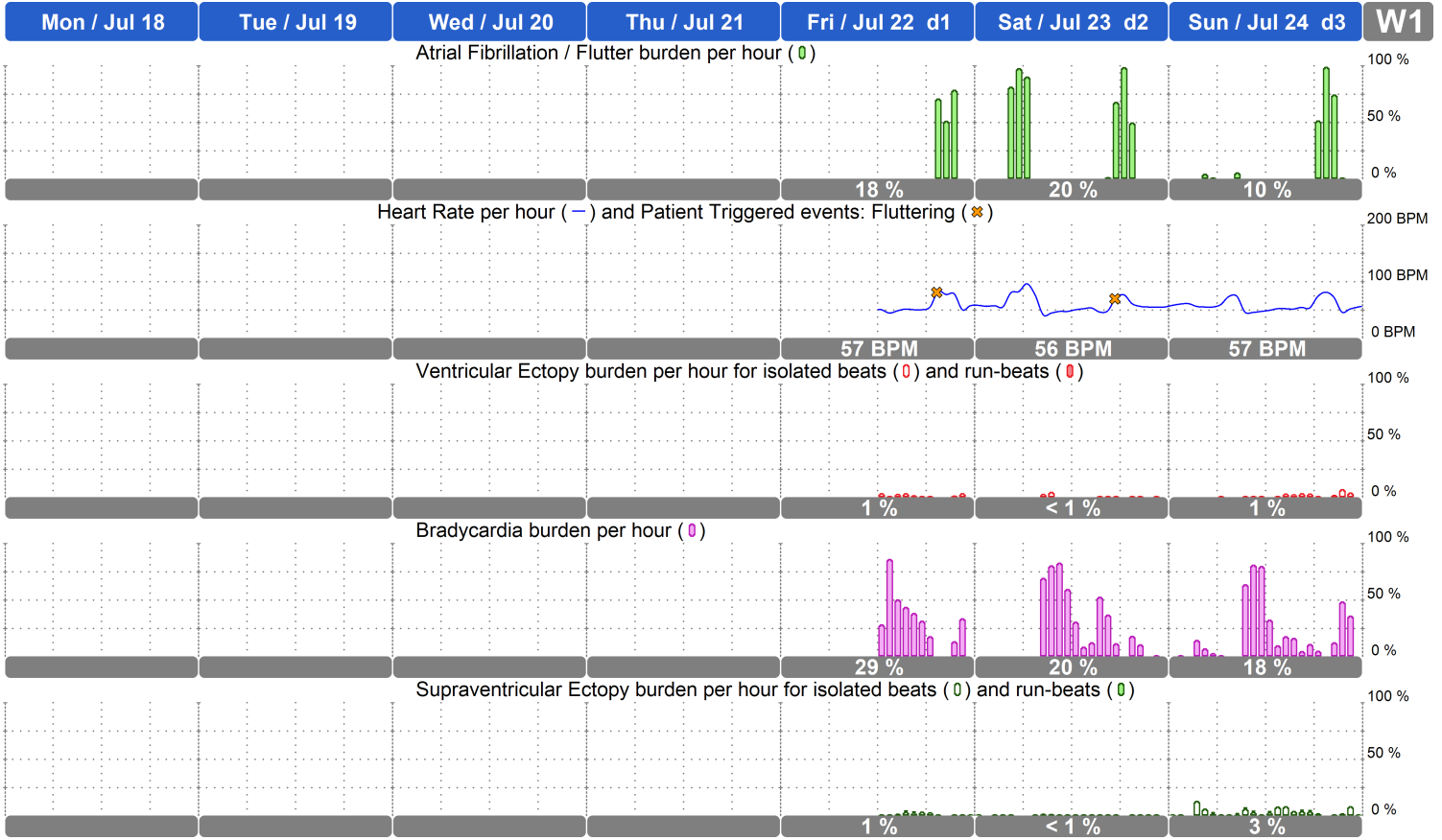
Ventricular ectopic activity consisted of 31018 episodes, of which 31017 were single, 1 was couplet.

Supraventricular ectopic activity consisted of 57300 episodes, of which 56933 were single, 367 were couplets.

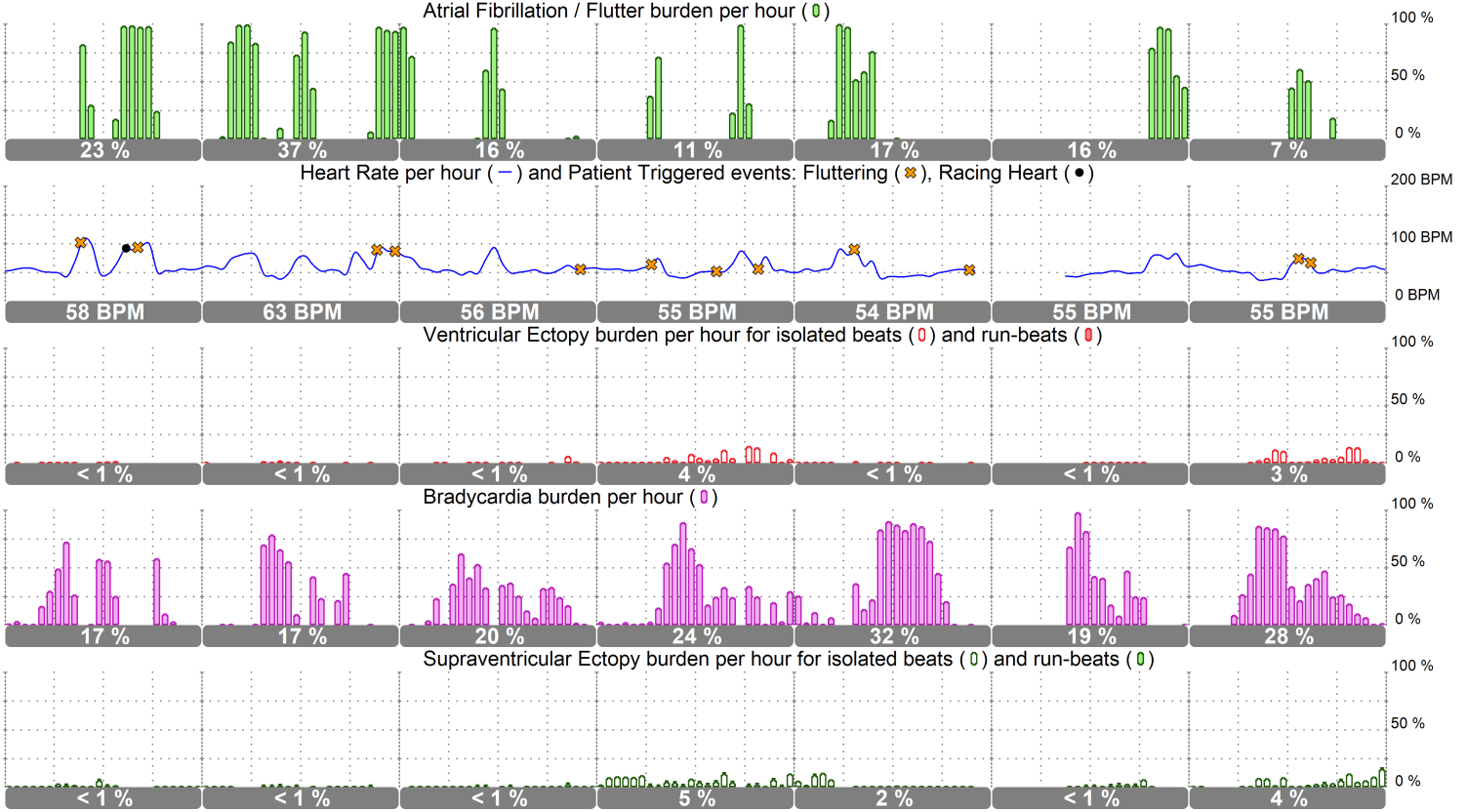
Atrial Fibrillation / Flutter was noted with burden 15.98% and fastest minutely rate of 118 BPM on day 6 at 07:50. The longest episode of Afib / AFL occurred on day 24 at 21:40, lasting 8h 32m.

Fastest ventricular couplet with rate of 89 BPM (day 7 at 00:27).

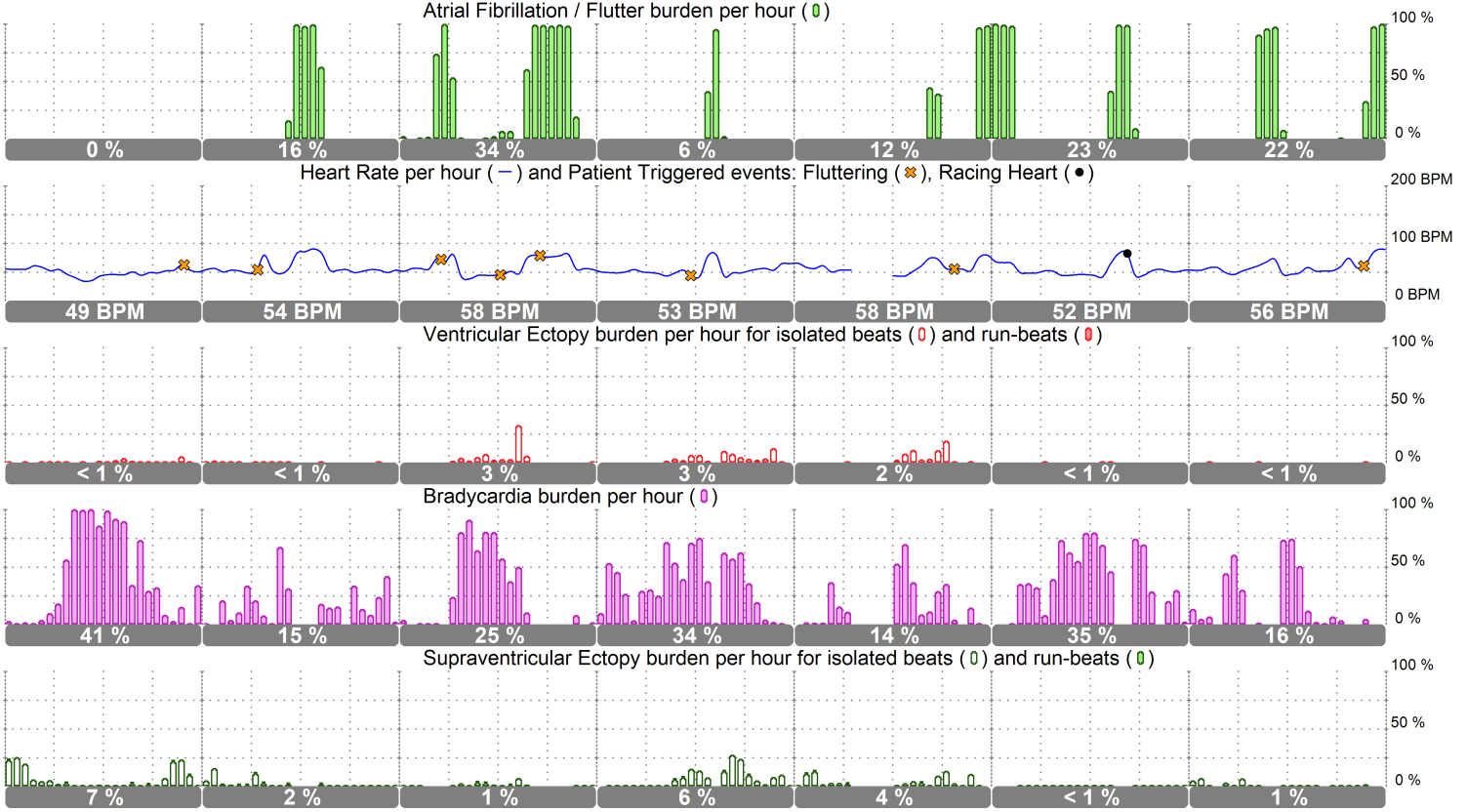
Fastest supraventricular couplet with rate of 121 BPM (day 3 at 08:21).



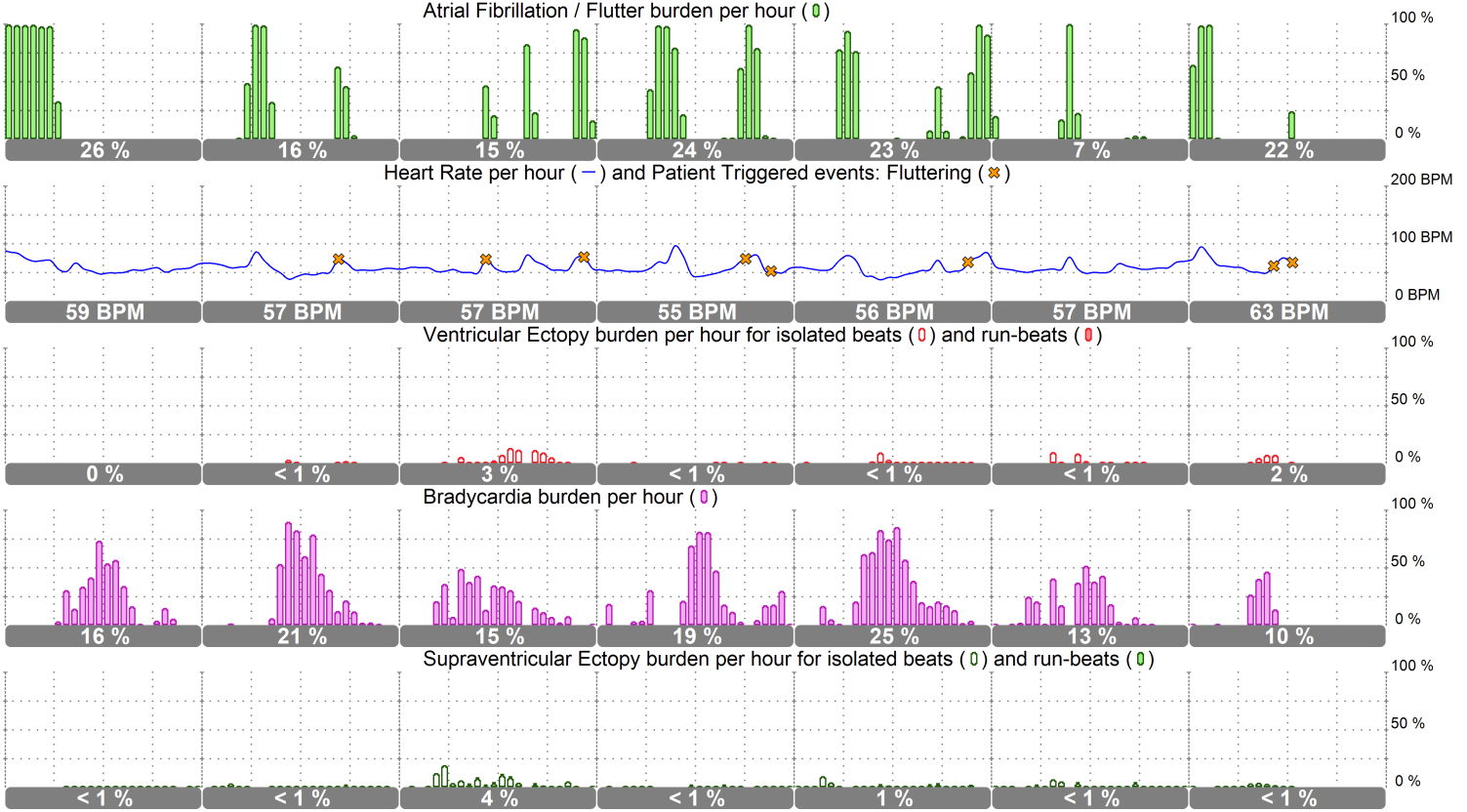
**Mon / Aug 01 d11 Tue / Aug 02 d12 Wed / Aug 03 d13 Thu / Aug 04 d14 Fri / Aug 05 d15 Sat / Aug 06 d16 Sun / Aug 07 d17 W3**



**Mon / Aug 08 d18 Tue / Aug 09 d19 Wed / Aug 10 d20 Thu / Aug 11 d21 Fri / Aug 12 d22 Sat / Aug 13 d23 Sun / Aug 14 d24 W4**



Mon / Aug 15 d25 Tue / Aug 16 d26 Wed / Aug 17 d27 Thu / Aug 18 d28 Fri / Aug 19 d29 Sat / Aug 20 d30 Sun / Aug 21 d31 **W5**



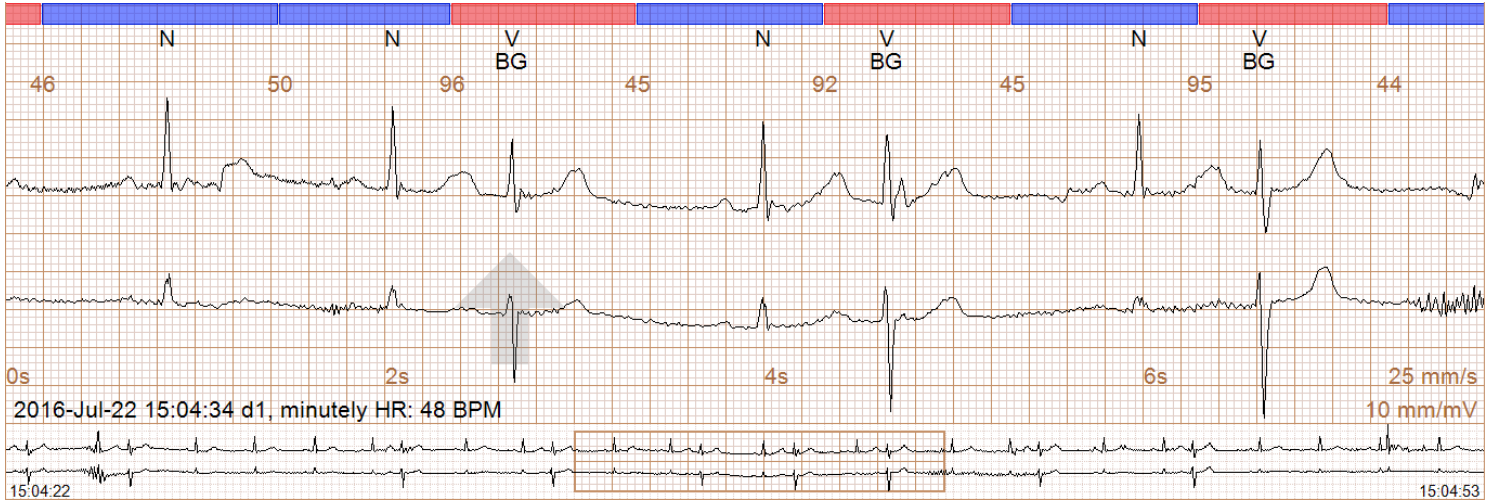
Start time	Time	Rate		Ventricular						Supraventricular						
		Total Diagnostic Beats	HR	Brady	Total Burden Beats	Single Beats	Couplet Episodes Fastest	Triplet Episodes Fastest	VT Episodes Longest Fastest	(A)IVR Episodes Longest Slowest	Total Burden Beats	Single Beats	Couplet Episodes Fastest	Triplet Episodes Fastest	SVR Episodes Longest Fastest	Afib/AFL Burden Total time Avg rate
			Max Avg Min	Burden Total time Slowest												
12:52 Day 1 Jul 22	11h 8m 10h 11m 37937	102 58 37	28.6 % 3h 11m 23 BPM	1.37 % 685	685	-	-	-	-	1.47 % 10243	719	3 101 BPM	-	-	18.0 % 2h 0m 81 BPM	
Day 2 Jul 23	24h 0m 22h 39m 81666	117 59 38	19.8 % 4h 44m 28 BPM	0.35 % 274	274	-	-	-	-	0.34 % 23168	312	-	-	-	20.3 % 4h 52m 83 BPM	
Day 3 Jul 24	24h 0m 22h 54m 82987	113 57 36	18.5 % 4h 26m 28 BPM	1.20 % 1100	1100	-	-	-	-	3.27 % 14156	3083	9 121 BPM	-	-	9.86 % 2h 22m 81 BPM	
Day 4 Jul 25	24h 0m 23h 0m 87236	105 62 39	13.5 % 3h 15m 30 BPM	0.06 % 54	54	-	-	-	-	0.18 % 34254	193	1 111 BPM	-	-	30.6 % 7h 21m 80 BPM	
Day 5 Jul 26	24h 0m 23h 31m 82221	99 56 36	23.7 % 5h 42m 28 BPM	7.04 % 6159	6159	-	-	-	-	3.01 % 11396	3089	16 117 BPM	-	-	6.99 % 1h 41m 86 BPM	
Day 6 Jul 27	24h 0m 23h 2m 86725	118 61 30	26.5 % 6h 22m 28 BPM	0.72 % 665	665	-	-	-	-	2.25 % 33033	1919	31 117 BPM	-	-	25.1 % 6h 2m 89 BPM	
Day 7 Jul 28	24h 0m 22h 53m 86639	113 61 40	7.61 % 1h 50m 28 BPM	0.39 % 352	350	1 89 BPM	-	-	-	1.30 % 20916	1195	32 118 BPM	-	-	16.7 % 4h 1m 87 BPM	
Day 8 Jul 29	24h 0m 22h 5m 73619	77 52 39	25.3 % 6h 4m 28 BPM	0.18 % 172	172	-	-	-	-	2.64 % 2615	2587	14 89 BPM	-	-	-	
Day 9 Jul 30	24h 0m 22h 23m 75027	91 53 35	25.5 % 6h 8m 28 BPM	0.13 % 138	138	-	-	-	-	2.76 % 2832	2796	18 98 BPM	-	-	-	
Day 10 Jul 31	24h 0m 23h 5m 71594	82 49 37	31.5 % 7h 34m 28 BPM	0.23 % 223	223	-	-	-	-	2.04 % 2077	2037	20 94 BPM	-	-	-	
Day 11 Aug 01	24h 0m 22h 40m 86732	117 63 32	17.1 % 4h 7m 28 BPM	0.21 % 187	187	-	-	-	-	0.88 % 30715	898	9 82 BPM	-	-	22.7 % 5h 27m 96 BPM	
Day 12 Aug 02	24h 0m 22h 22m 89240	110 65 32	17.2 % 4h 8m 24 BPM	0.21 % 208	208	-	-	-	-	0.25 % 41978	189	28 116 BPM	-	-	36.8 % 8h 50m 83 BPM	
Day 13 Aug 03	24h 0m 23h 13m 81995	102 57 39	20.0 % 4h 48m 27 BPM	0.36 % 461	461	-	-	-	-	0.36 % 18471	331	41 110 BPM	-	-	15.6 % 3h 45m 84 BPM	
Day 14 Aug 04	24h 0m 23h 16m 81931	108 56 38	23.9 % 5h 44m 27 BPM	3.65 % 3440	3440	-	-	-	-	5.18 % 17644	4904	37 120 BPM	-	-	10.9 % 2h 37m 84 BPM	
Day 15 Aug 05	24h 0m 21h 7m 70414	116 55 34	32.3 % 7h 45m 28 BPM	0.14 % 122	122	-	-	-	-	1.77 % 20644	1789	1 72 BPM	-	-	16.7 % 4h 1m 82 BPM	
Day 16 Aug 06	24h 0m 14h 1m 50007	104 57 41	18.9 % 4h 33m 31 BPM	0.18 % 185	185	-	-	-	-	0.81 % 18059	868	7 85 BPM	-	-	15.5 % 3h 44m 79 BPM	
Day 17 Aug 07	24h 0m 23h 15m 80076	101 53 33	28.4 % 6h 49m 18 BPM	3.37 % 2894	2894	-	-	-	-	3.92 % 11783	3560	4 116 BPM	-	-	7.28 % 1h 45m 81 BPM	
Day 18 Aug 08	24h 0m 23h 5m 75050	90 49 33	41.2 % 9h 54m 27 BPM	0.84 % 816	816	-	-	-	-	6.71 % 6464	6442	11 109 BPM	-	-	-	
Day 19 Aug 09	24h 0m 22h 41m 79696	108 57 39	15.4 % 3h 41m 28 BPM	0.31 % 316	316	-	-	-	-	2.02 % 20883	2041	13 119 BPM	-	-	15.6 % 3h 45m 86 BPM	
Day 20 Aug 10	24h 0m 23h 9m 83799	105 59 34	24.6 % 5h 54m 28 BPM	2.78 % 2312	2312	-	-	-	-	1.03 % 38309	909	4 103 BPM	-	-	34.3 % 8h 14m 77 BPM	
Day 21 Aug 11	24h 0m 22h 25m 74731	99 52 36	34.0 % 8h 9m 27 BPM	2.79 % 2808	2808	-	-	-	-	6.32 % 13054	6375	16 110 BPM	-	-	5.80 % 1h 23m 81 BPM	
Day 22 Aug 12	24h 0m 18h 2m 64048	102 58 41	13.8 % 3h 18m 27 BPM	2.49 % 2411	2411	-	-	-	-	3.50 % 16064	3206	5 107 BPM	-	-	11.6 % 2h 47m 79 BPM	
Day 23 Aug 13	24h 0m 23h 32m 76263	106 53 38	35.0 % 8h 25m 27 BPM	0.01 % 12	12	-	-	-	-	0.17 % 23596	161	-	-	-	22.7 % 5h 28m 73 BPM	
Day 24 Aug 14	24h 0m 23h 7m 82605	100 58 37	16.2 % 3h 54m 27 BPM	<0.01% 12	12	-	-	-	-	1.11 % 23853	997	-	-	-	21.7 % 5h 13m 75 BPM	
Day 25 Aug 15	24h 0m 23h 16m 86184	96 60 42	15.9 % 3h 49m 35 BPM	-	-	-	-	-	-	0.08 % 28077	76	-	-	-	26.0 % 6h 15m 75 BPM	



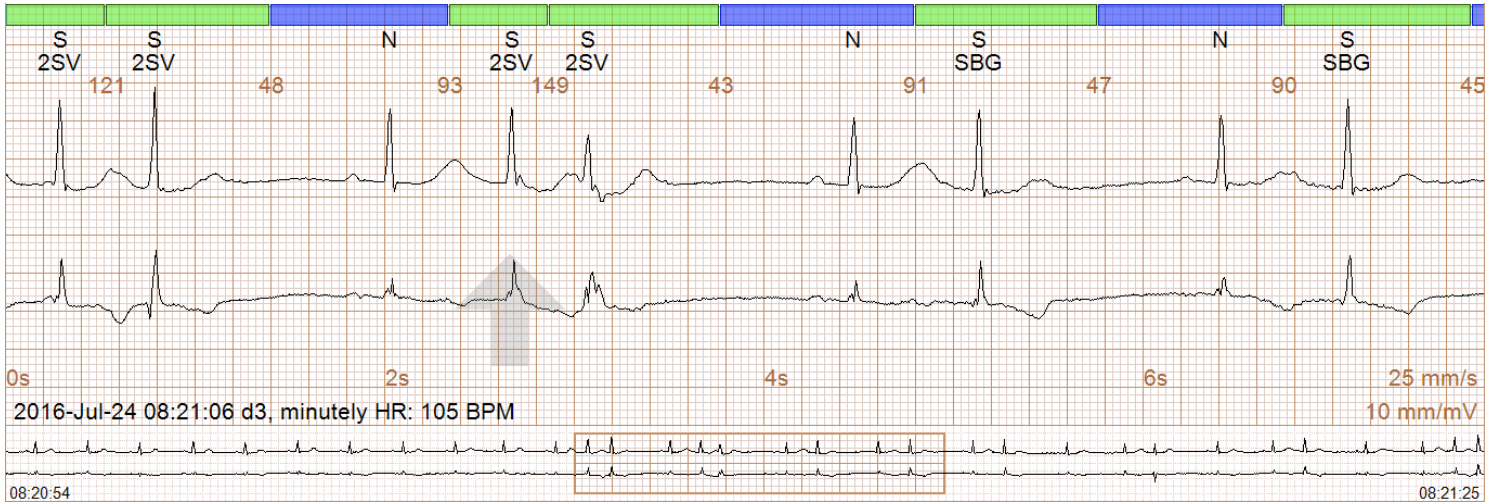
Start time	Time	Rate		Ventricular						Supraventricular						
		Total Diagnostic Beats	HR	Brady	Total	Single	Couplet	Triplet	VT	(A)IVR	Total	Single	Couplet	Triplet	SVR	Afib/AFL
			Max Avg Min	Burden Total time Slowest	Burden Beats	Beats	Episodes Fastest	Episodes Fastest	Episodes Longest Fastest	Episodes Longest Slowest	Burden Beats	Beats	Episodes Fastest	Episodes Fastest	Episodes Longest Fastest	Burden Total time Avg rate
Day 26	24h 0m	100	20.7 %	0.20 %	160	-	-	-	-	0.29 %	251	1	-	-	16.3 %	
	23h 41m	57	4h 58m													
Aug 16	82122	35	30 BPM	160						17878		102 BPM			78 BPM	
Day 27	24h 0m	103	15.4 %	2.82 %	2379	-	-	-	-	3.68 %	3419	26	-	-	15.5 %	
	23h 4m	58	3h 42m													
Aug 17	84176	38	27 BPM	2379						20700		111 BPM			80 BPM	
Day 28	24h 0m	117	19.0 %	0.04 %	42	-	-	-	-	0.14 %	154	2	-	-	24.4 %	
	22h 44m	58	4h 34m													
Aug 18	83469	39	21 BPM	42						26708		110 BPM			78 BPM	
Day 29	24h 0m	103	24.9 %	0.75 %	852	-	-	-	-	1.09 %	1144	4	-	-	23.3 %	
	23h 22m	57	5h 59m													
Aug 19	82193	30	28 BPM	852						26764		113 BPM			79 BPM	
Day 30	24h 0m	102	12.7 %	0.89 %	893	-	-	-	-	0.94 %	829	14	-	-	6.88 %	
	23h 9m	56	3h 3m													
Aug 20	79241	38	29 BPM	893						8532		111 BPM			80 BPM	
Day 31	12h 52m	105	9.90 %	1.50 %	687	-	-	-	-	0.96 %	444	-	-	-	22.0 %	
	12h 24m	64	1h 16m													
	49221	39	30 BPM	687						14485					86 BPM	
<b>Total</b>	720h 0m	118	21.9 %	1.13 %	31017	1	-	-	-	1.97 %	56917	367	-	-	16.0 %	
	673h 19m	57	157h 45m			89 BPM									115h 5m	
	2388844	30	18 BPM	31019						599351		121 BPM			81 BPM	

### ECG Examples

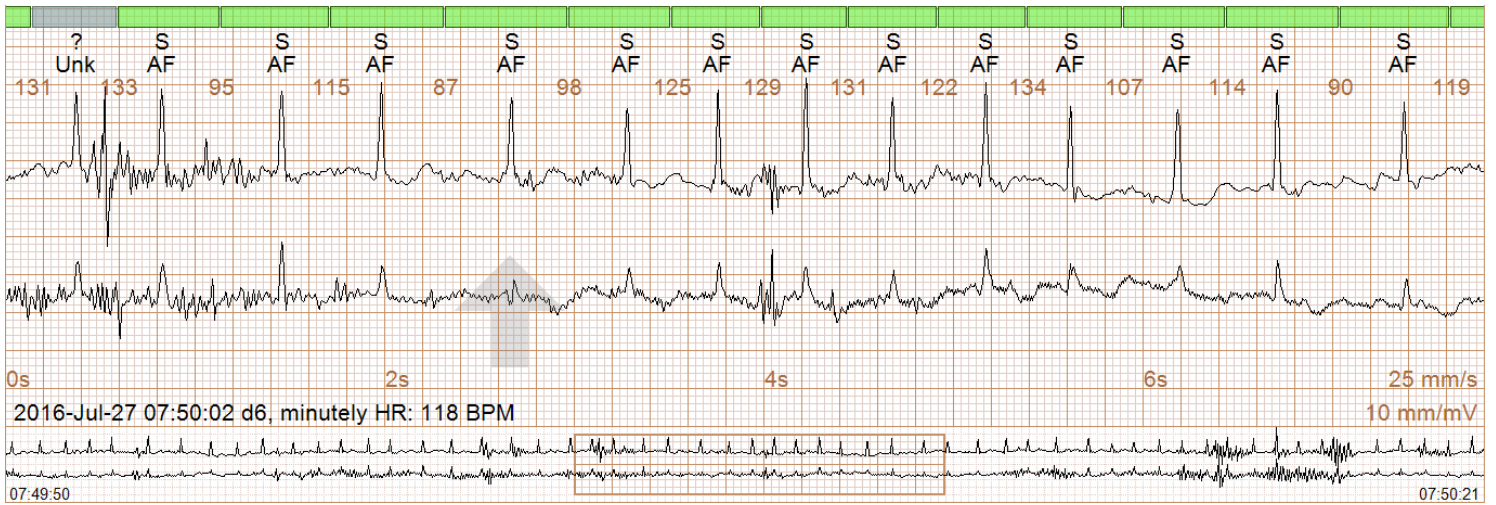
Ventricular Bigeminy: 3 cycles



Fastest Supraventricular Couplet

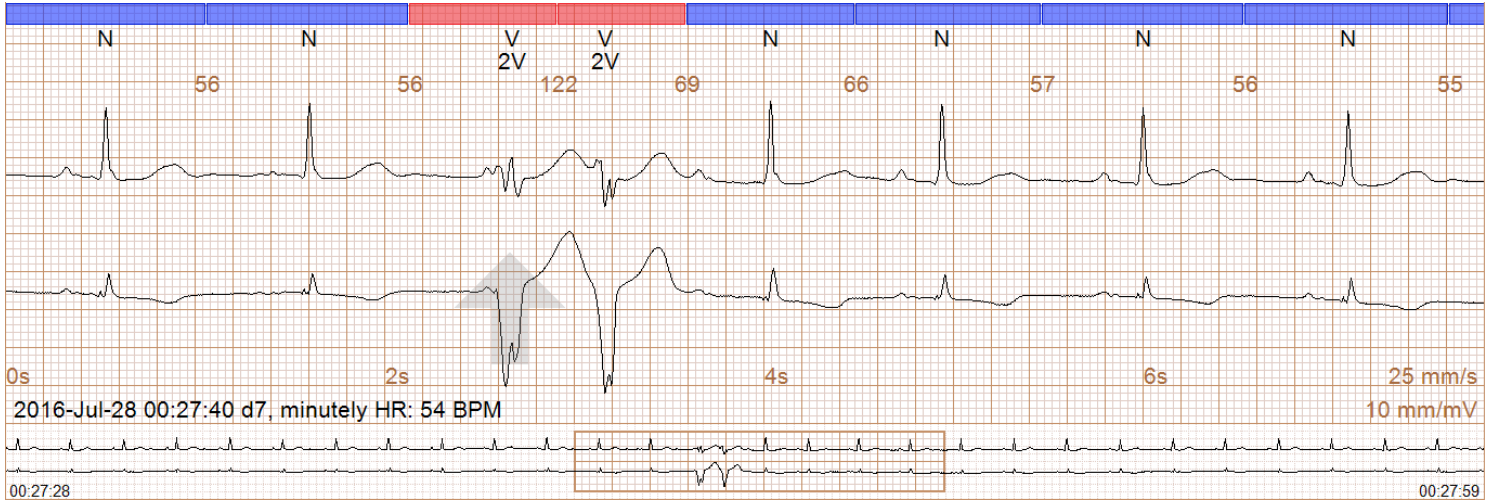


Fastest minutely AF HR: 118 BPM at 07:50:01 d6

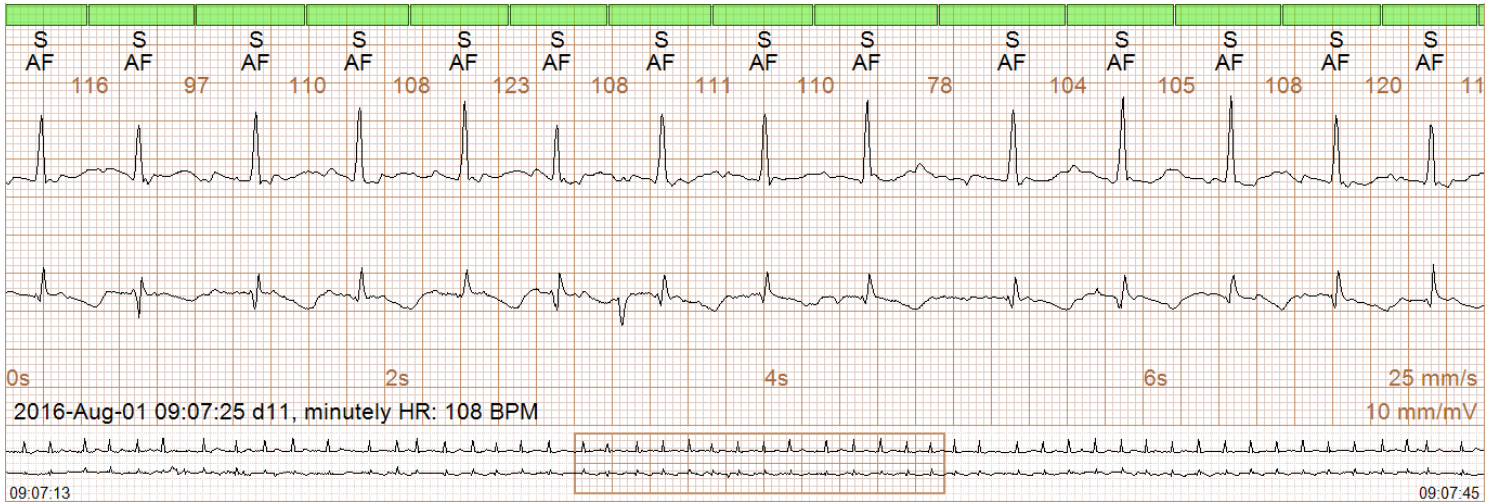


### ECG Examples

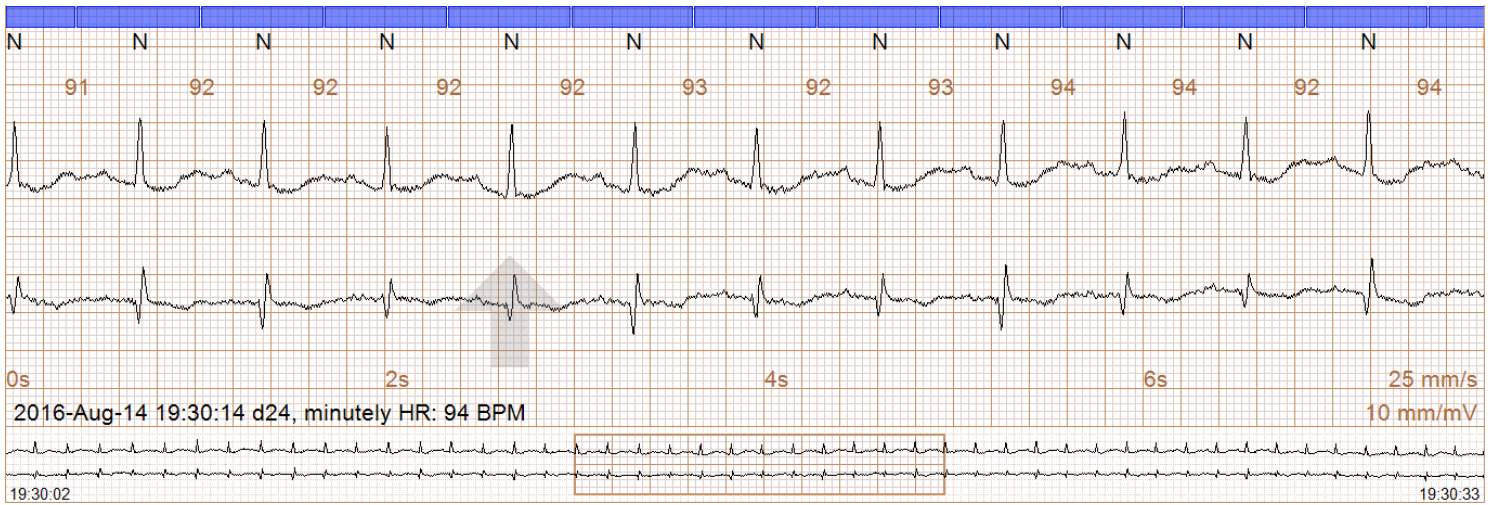
Fastest Ventricular Couplet: 89 BPM



Patient Triggered: Fluttering - Afib / AFL - Exercising - Afib / AFL with max minutely HR: 108 BPM

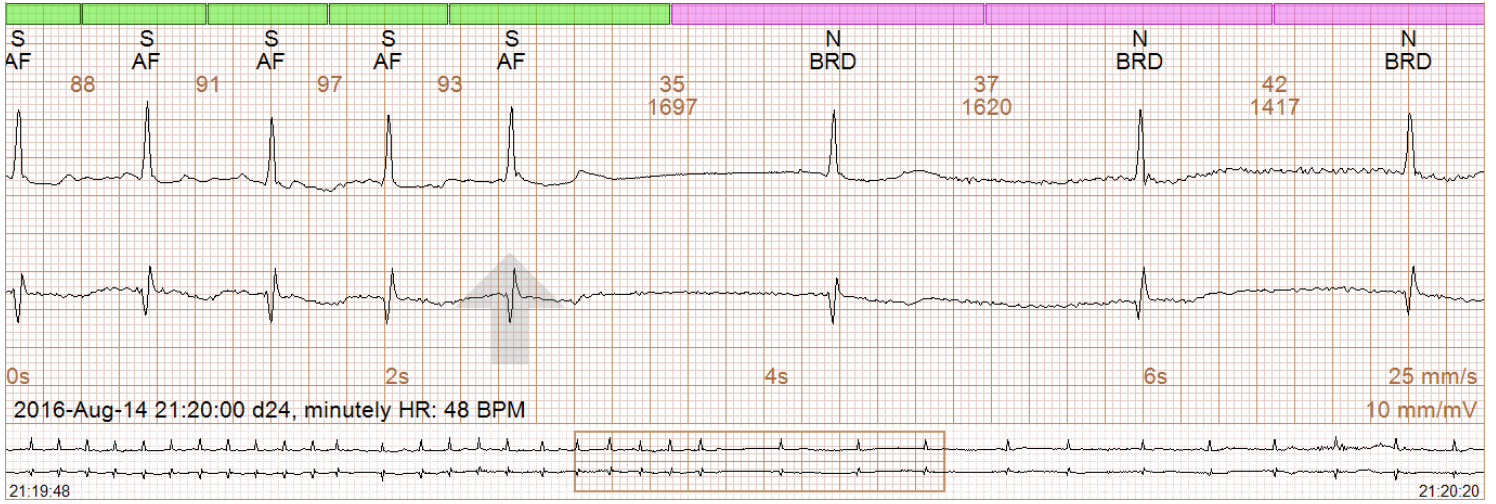


Fastest minutely HR: 94 BPM at 19:30:00 d24

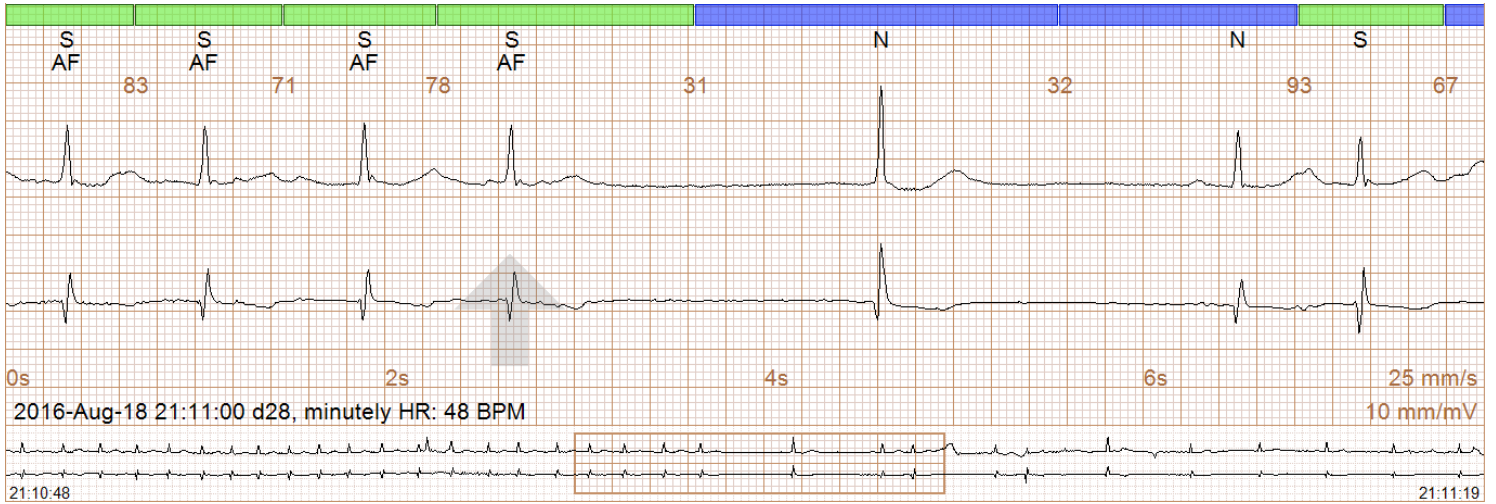


### ECG Examples

Patient Triggered: Fluttering - Afib / AFL - Resting - Afib / AFL with max minutely HR: 97 BPM



Patient Triggered: Fluttering - Afib / AFL - Resting - Afib / AFL with max minutely HR: 90 BPM



Longest Asystole: 7.7 s

