



O2 HEALTHCARE GROUP



PATIENT DETAILS				STUDY DETAILS	
Name		ID		Device/Serial	Somfit 3CE00225F815
Age		Height		Report Date	27/06/2026
DOB		Weight		First Study Date	20/06/2026
Gender	Male	BMI	23.00 kg/m ²		

REFERRAL DETAILS					
Referrer		ESS		STOP-BANG	OSA-50
Practice Name					
Clinical History					
Co-morbidities	null				

OBSERVATIONS
Short sleep duration. Good sleep efficiency. Normal sleep latency and short REM latency. Normal proportion of REM sleep. Reduced N3 sleep. Normal arousal index. Generally consolidated sleep architecture. REM pAHI is twice that of total pAHI but still within normal range. Frequent snoring especially when supine. Normal oximetry.

CONCLUSIONS
No significant obstructive sleep apnea.

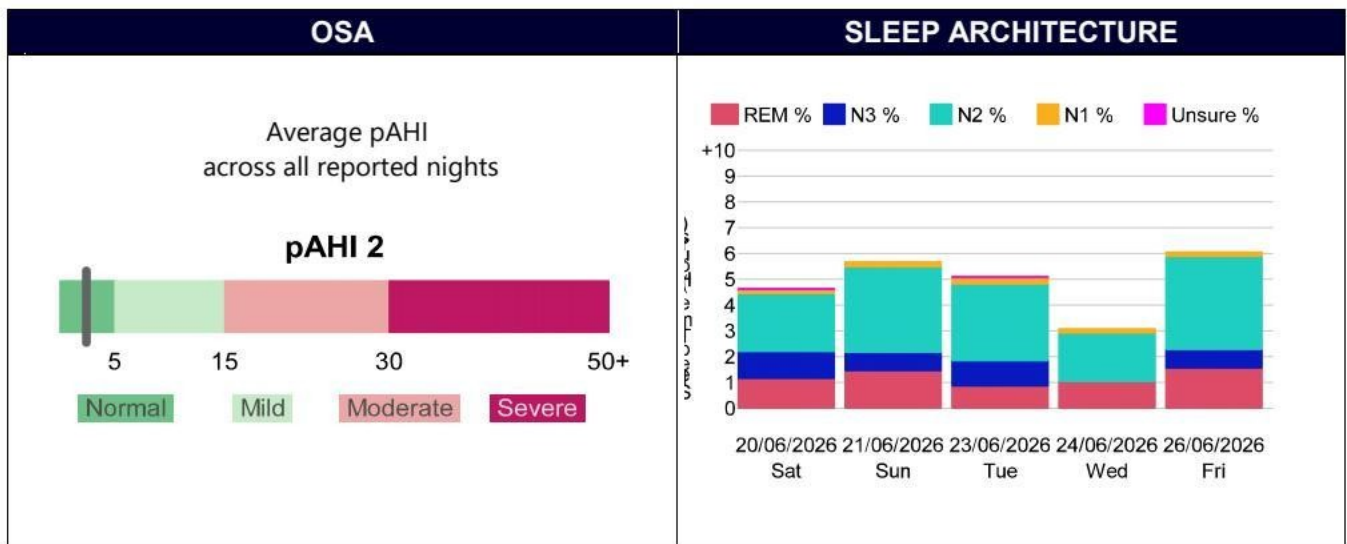
RECOMMENDATIONS

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HYPNOGRAM SUMMARY

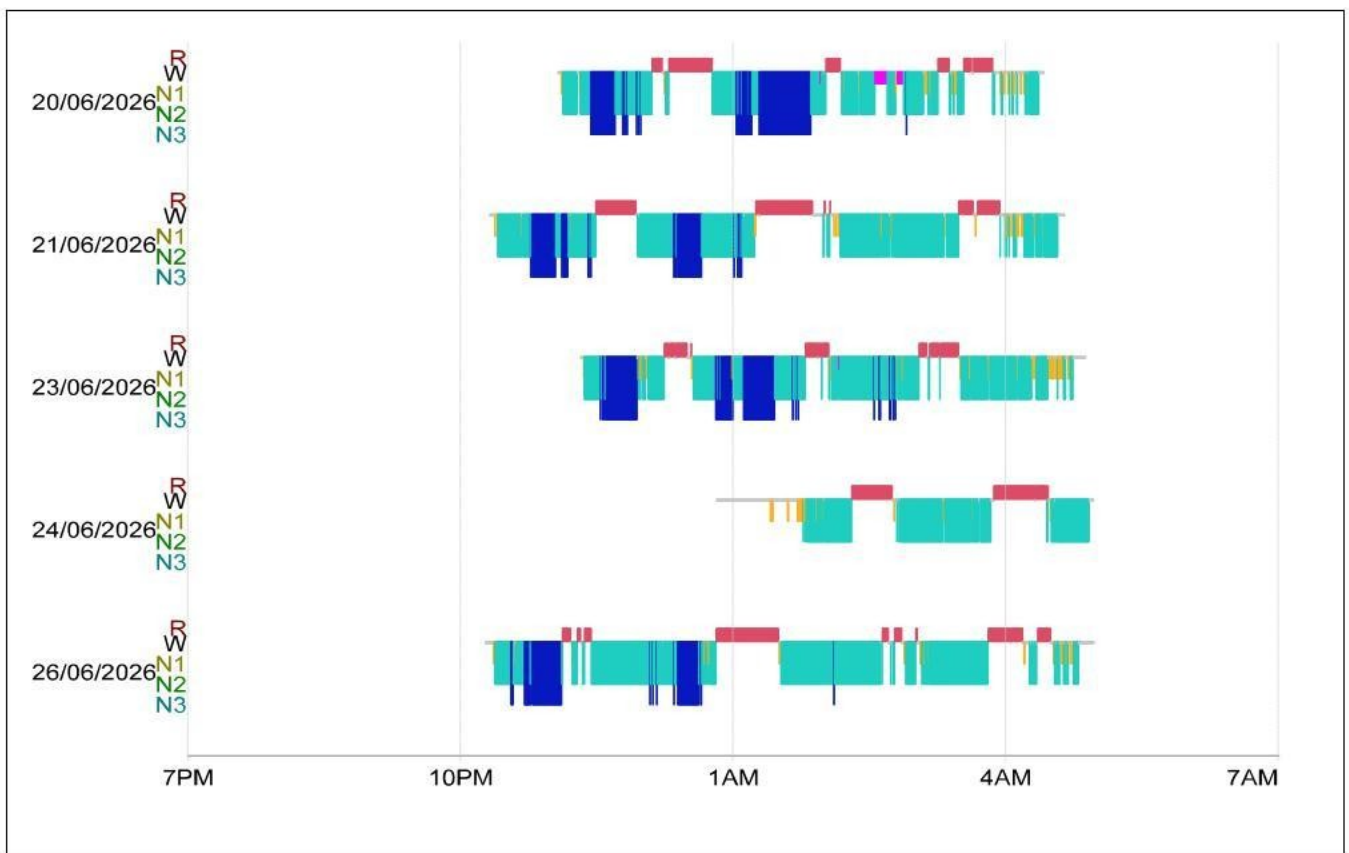
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SLEEP INDICATORS								
	Average	20/06	21/06	23/06	24/06	26/06	-	-
		Sat	Sun	Tue	Wed	Fri	-	-
Total Sleep Time (TST)	4.6 hrs	4:37	5:40	5:04	3:03	6:02		
Total Sleep Time (TST)	293.2 min	277	340	304	183	362		
Time Available for Sleep	335.6 min	318	378	333	248	401		
Sleep Efficiency	86.4 %	87	90	91	74	90		
Sleep Latency	9.8 min	3	4	2	35	5		
Wake After Sleep Onset	31.2 min	28	35	27	31	35		
REM Latency	56.2 min	60	67	54	54	46		
% N1	3.6 %	4	3	5	4	2		
% N2	56.8 %	48	58	58	61	59		
% N3	12.8 %	22	12	19	0	11		
% REM	24.8 %	25	25	16	33	25		
Unscored	2.8 min	13	0	1	0	0		

STUDY ACQUISITION	
Polysomnography data was acquired using a Somfit System with the following parameters: EEG (Fp1–Fp2), EOG (Fp1–Fpz, Fp2–Fpz), EMG (Fp1–Fp2), Pulse Oximetry, Head Position, Snoring Sound, Movement and Ambient Light. This report comprises test results, analysis thereof (version: SomfitBatch 2.1.0.118) and recommendations for treatment by the sleep specialist. It is intended for use by the patient's referring medical practitioner and nominated technicians. The referring medical practitioner is responsible for overseeing the ongoing treatment and monitoring of the patient and should consider referring the patient to the sleep specialist if the diagnosis requires further clarification; the patient does not respond to or has difficulty with the recommended treatment/intervention; or significant cardiovascular complications have already developed.	

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RESPIRATORY SUMMARY** (BASED ON pAHI, TST)								
		Average	20/06	21/06	23/06	24/06	26/06	-
			Sat	Sun	Tue	Wed	Fri	-
R E M	Sleep Duration	73.0 min	70	88	51	62	94	
	Respiratory Events	5.4	3	9	8	4	3	
	pAHI	4.8 /hr	3	6	9	4	2	
	Snore Index	117.8 /hr	20	193	140	135	101	
	Arousals Index	14.5 /hr	18.1	18.5	12.9	12.6	10.3	
N R E M	Sleep Duration	220.4 min	208	252	253	121	268	
	Respiratory Events	5.6	8	1	7	8	4	
	pAHI	1.8 /hr	2	0	2	4	1	
	Snore Index	133.0 /hr	115	150	116	115	169	
	Arousals Index	13.8 /hr	16.2	14.5	13.8	12.0	12.5	
T O T A L	Sleep Duration (TST)	293.2 min	277	340	304	183	362	
	Respiratory Events	11.0	11	10	15	12	7	
	Longest Resp. Event	64.8 sec	48	89	48	65	74	
	pAHI **	2.4 /hr	2	2	3	4	1	
	Snore Index	129.0 /hr	91	161	120	122	151	
	Arousals Index	14.0 /hr	16.7	15.6	13.6	12.2	12.0	
S U P I N E	Sleep Duration	68.6 min	86	77	36	44	100	
	Respiratory Events	2.2	6	1	0	1	3	
	pAHI	2.0 /hr	5	1	0	2	2	
	Snore Index	359.8 /hr	294	409	211	431	454	
	Arousals Index	18.4 /hr	26.6	16.5	29.0	2.0	17.9	
N O N S U P	Sleep Duration	268.6 min	235	303	298	205	302	
	Respiratory Events	8.8	5	9	15	11	4	
	pAHI	2.2 /hr	1	2	3	4	1	
	Snore Index	68.8 /hr	16	102	111	60	55	
	Arousals Index	12.9 /hr	13.0	15.3	12.0	14.2	10.1	

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* Reference values for AHI are in accordance with AASM guidelines.

** pAHI refers to Apnoeal Hypopnea Index determined as the number of Apnoea/Hypopnea events calculated from Peripheral Arterial Tonometry (PAT), blood oxygen desaturation ($\geq 3\%$) and heart rate divided by the total sleep time (TST).

RESPIRATORY SUMMARY*** (BASED ON REI, MT)								
		Average	20/06	21/06	23/06	24/06	26/06	-
			Sat	Sun	Tue	Wed	Fri	-
T	Monitoring Time	309.2 min	292	354	311	223	366	
	Total REI	3.5 /hr	3.3	2.2	2.9	7.5	1.6	
S	Monitoring Time	63.2 min	80	67	31	42	96	
	Supine REI	2.4 /hr	4.5	0.9	0.0	2.8	3.7	
N S	Monitoring Time	245.8 min	211	287	280	181	270	
	Non-Supine REI	3.6 /hr	2.8	2.5	3.2	8.6	0.9	

*** REI refers to Respiratory Events Index determined as the number of Apnoea/Hypopnea events calculated from Peripheral Arterial Tonometry (PAT), blood oxygen desaturation ($\geq 3\%$) and heart rate divided by the total Monitoring Time (MT). Monitoring Time

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SpO ₂ SUMMARY									
		Average	20/06	21/06	23/06	24/06	26/06	-	-
			Sat	Sun	Tue	Wed	Fri	-	-
<u>SpO₂</u>									
Start (awake)	97.8 %	98	98	97	97	99			
Average (sleep)	97.8 %	98	98	97	98	98			
Minimum	92.0 %	91	92	93	92	92			
<u>Desaturations (3%)</u>									
Largest Desaturation	7.0 %	7	4	5	12	7			
No. of Desaturations	10.8	13	10	11	10	10			
ODI	2.4 /hr	2.8	1.8	2.2	3.3	1.7			
<u>Desats with SpO₂ ≤ 90%</u>									
Number	0.6	1	0	0	2	0			
Time (T90)	0.0 min	0.0	0.0	0.0	0.0	0.0			
Time as % of Sleep (T90)	0.0 %	0.0	0.0	0.0	0.0	0.0			
Valid SpO2 measurement time is determined by Total Sleep Time (TST) less any periods of baseline drift during TST.									
<u>Heart Rate</u>									
Average	56.8 BPM	61	59	57	53	54			
Maximum	67.4 BPM	73	70	67	64	63			
Minimum	48.0 BPM	50	50	48	45	47			

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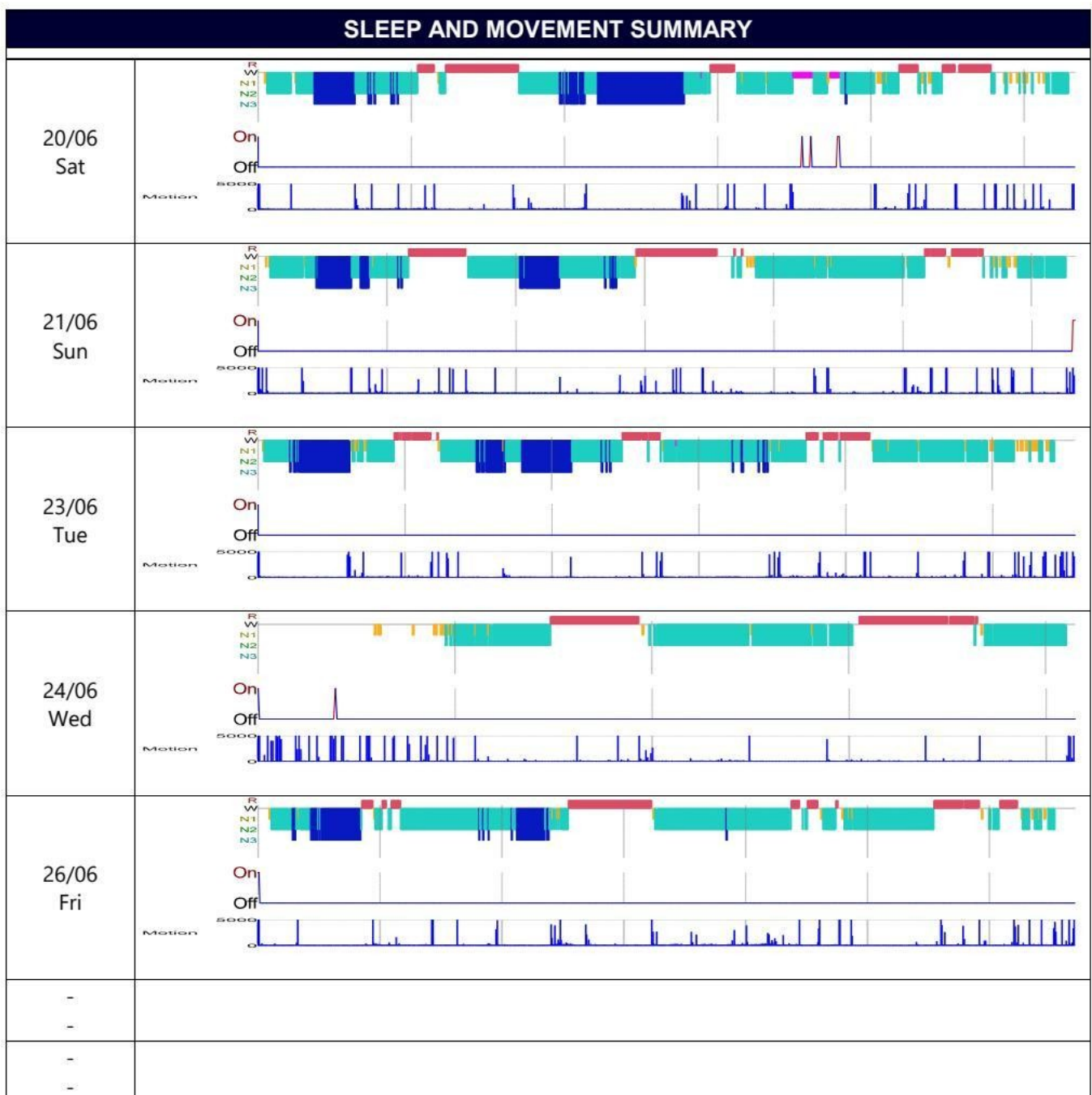
SpO₂ AND RESPIRATORY EVENT SUMMARY

20/06 Sat	
21/06 Sun	
23/06 Tue	
24/06 Wed	
26/06 Fri	
-	
-	

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STUDY QUALITY							
	20/06	21/06	23/06	24/06	26/06	-	-
	Sat	Sun	Tue	Wed	Fri	-	-
EEG Impedance – Right	Good	Good	Good	Good	Good		
EEG Impedance – Left	Good	Good	Good	Good	Good		
Somfit Data Lost	Good	Good	Good	Good	Good		
% Somfit Data Lost	3.0 %	0.0 %	0.0 %	0.0 %	0.0 %	%	%
Unscorable Sleep Staging	Good	Good	Good	Good	Good		
% Unscorable Sleep Staging	4.0 %	0.0 %	0.0 %	0.0 %	0.0 %	%	%
Total SpO ₂ Artifact	Good	Good	Good	Good	Good		
% Motion Artifact	2.0 %	6.0 %	5.0 %	7.0 %	8.0 %	%	%
% Off Artifact	6.0 %	0.0 %	1.0 %	1.0 %	0.0 %	%	%
% Low SNR Artifact	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	%	%
% Low PI Artifact	0.0 %	0.0 %	0.0 %	1.0 %	0.0 %	%	%
Baseline Drift	Good	Good	Good	Good	Good		
% Time of Baseline Drift	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	%	%
Start Battery	Good	Good	Good	Good	Good		
Start Battery Level %	100 %	100 %	100 %	95 %	100 %	%	%
Battery Discharge	Good	Good	Good	Good	Good		
Battery Discharge (%/hr)	5 %/hr	4 %/hr	5 %/hr	5 %/hr	4 %/hr	%/hr	%/hr

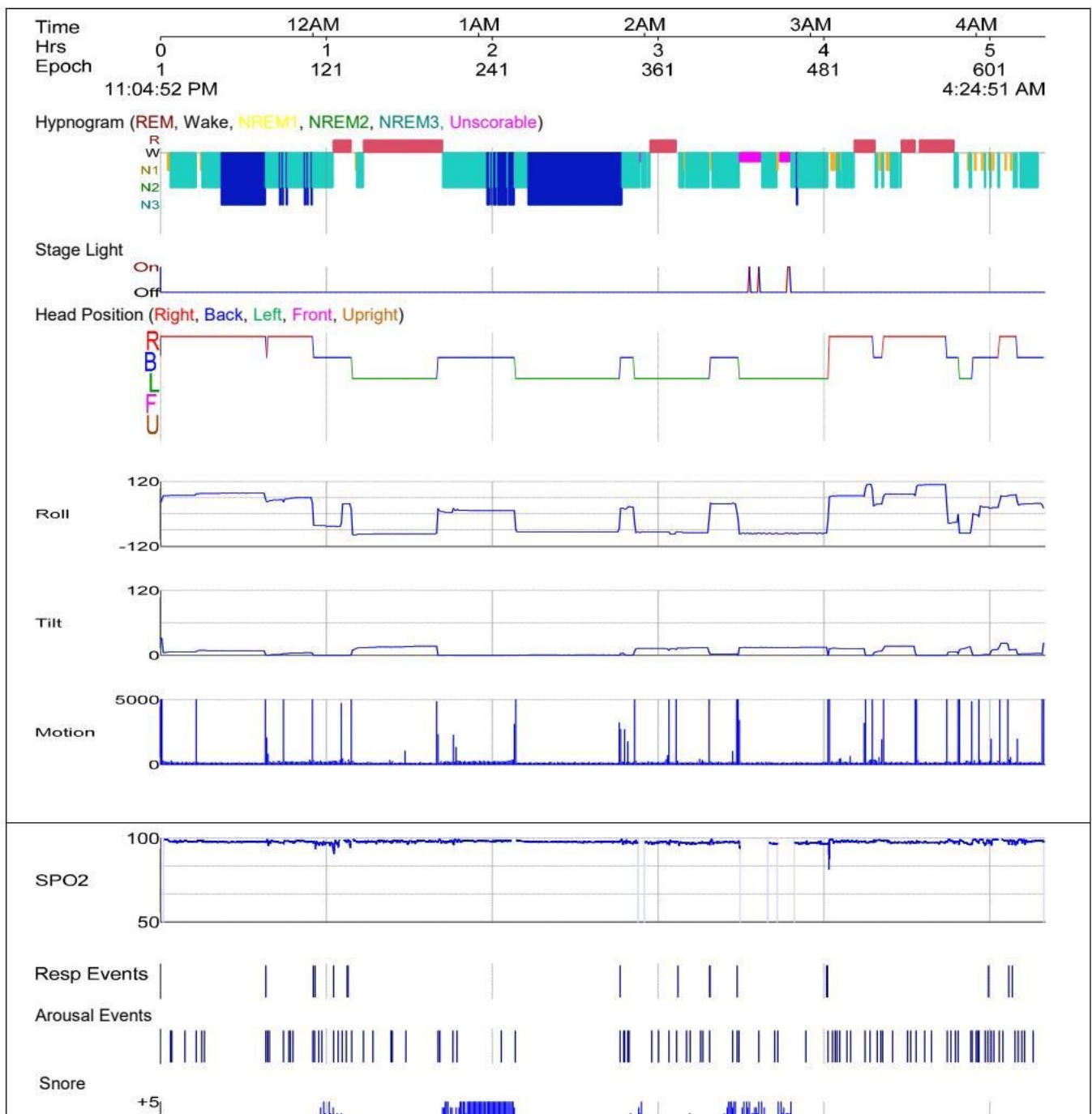
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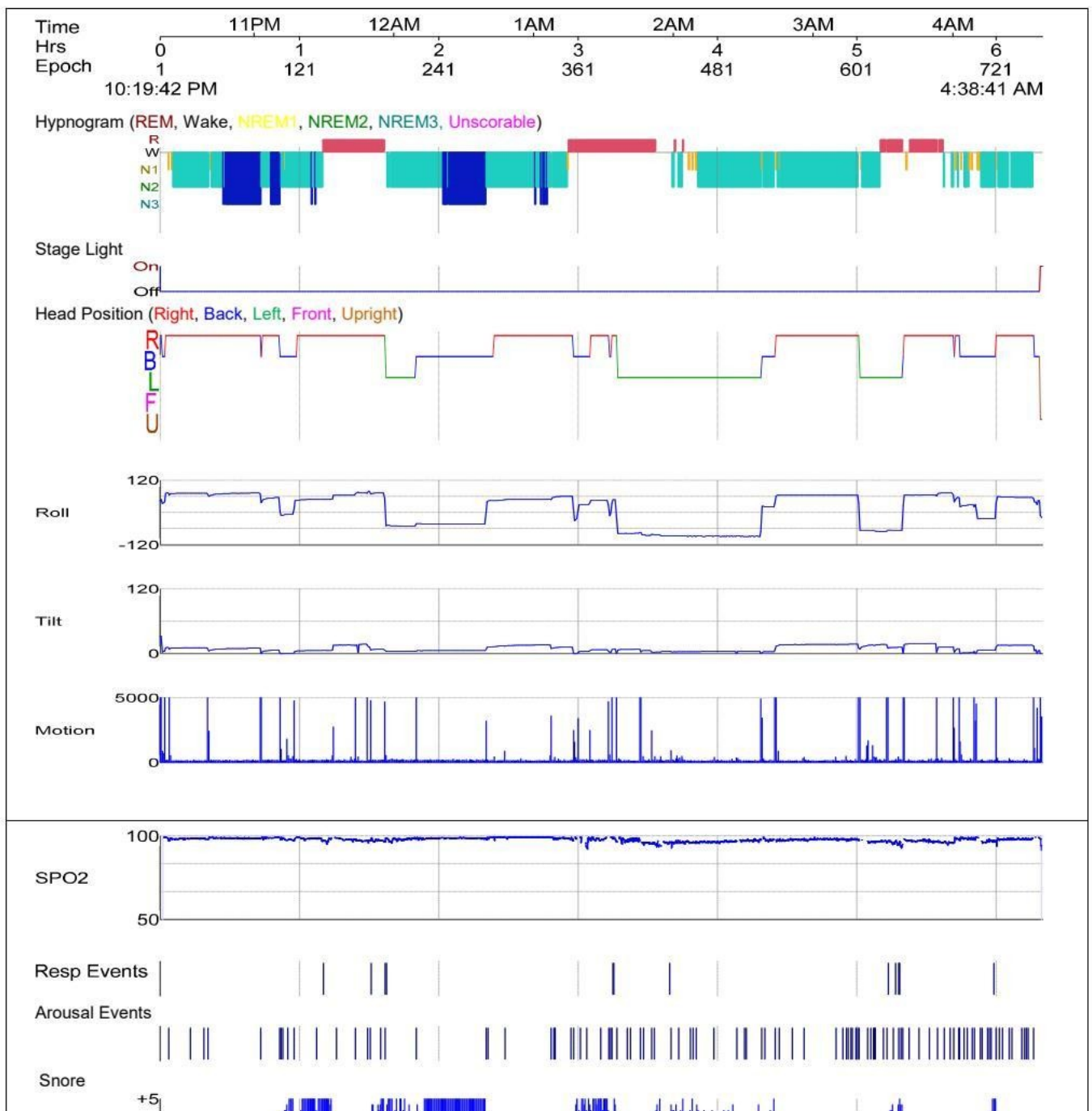


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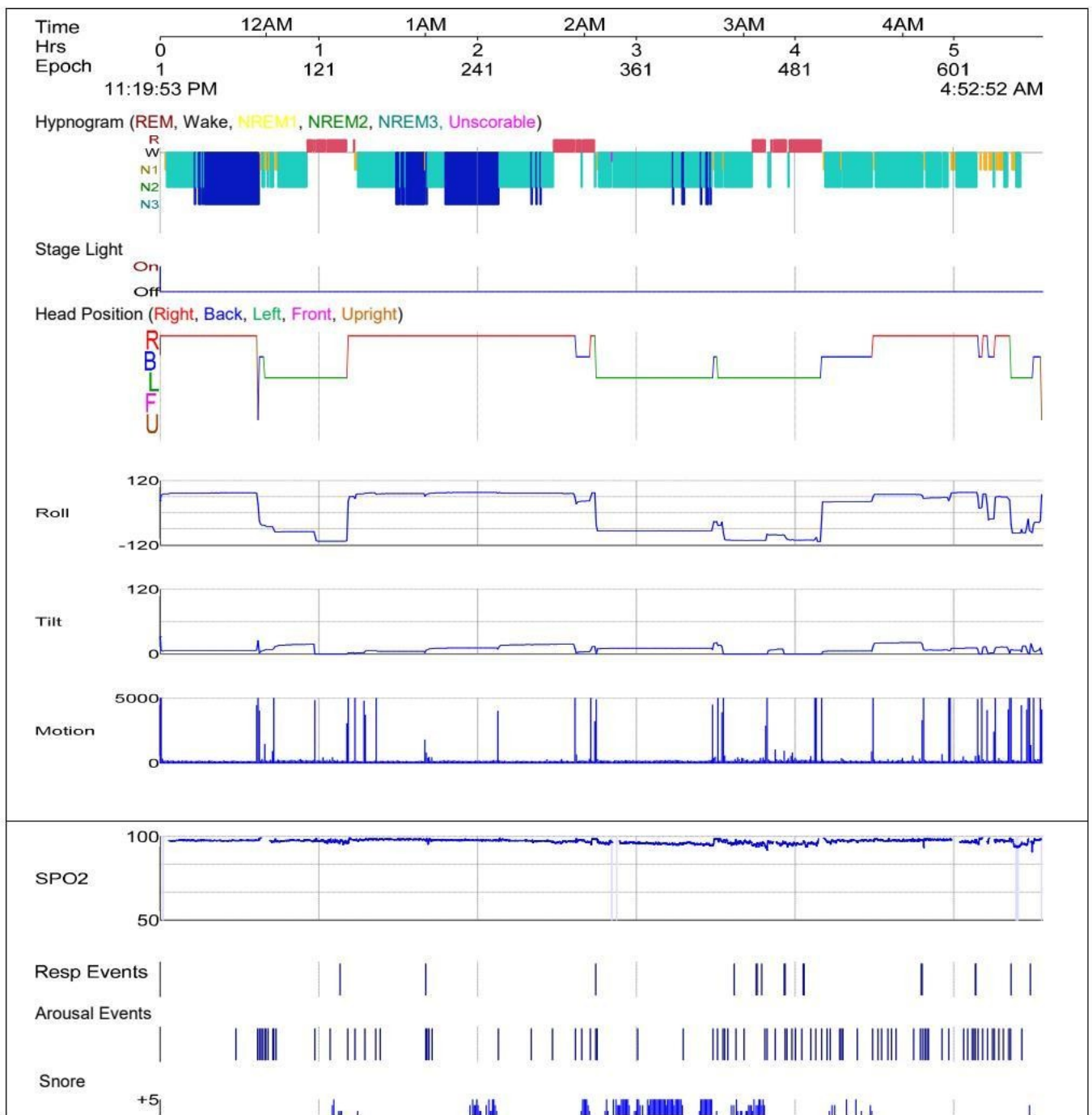
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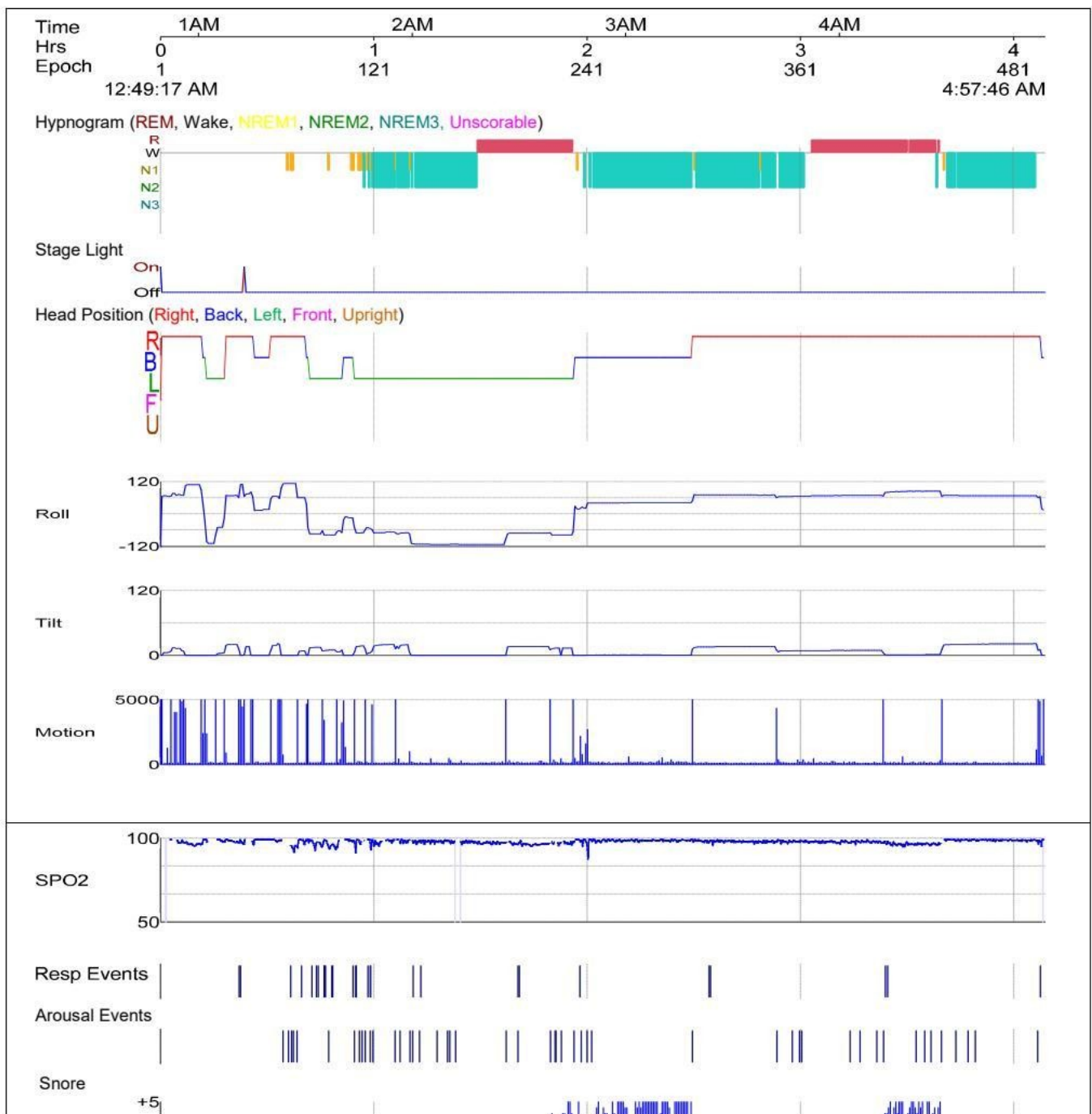


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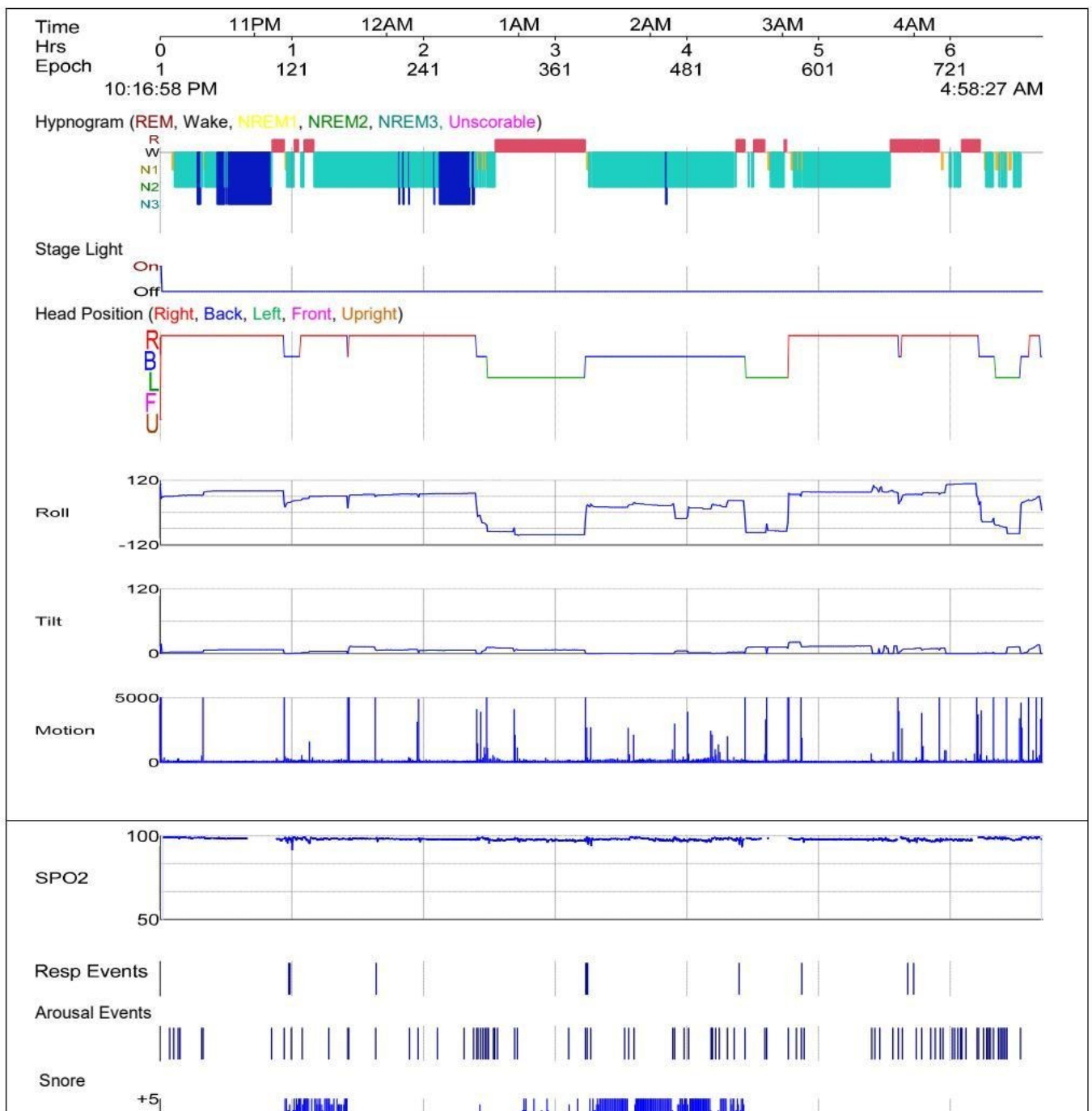
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