O2 HEALTHCARE GROUP

Somfit Multi-Night Sleep Report

Somfit Check SLEEP 1st®

PATIENT DETAILS				STUDY DETAILS	
Name	[redacted]	ID	[redacted]	Device/Serial	Somfit 3CE00225F815
Age	[redacted]	Height	[redacted]	Report Date	[redacted]
DOB	[redacted]	Weight	[redacted]	First Study Date	[redacted]
Gender	Male	BMI	35.[redacted]		

REFERRAL DETAILS

Referrer		ESS	6	STOP-BANG		OSA-50	
Practice Name							
Clinical History							
Co-morbidities	null						

OBSERVATIONS

CONCLUSIONS

RECOMMENDATIONS

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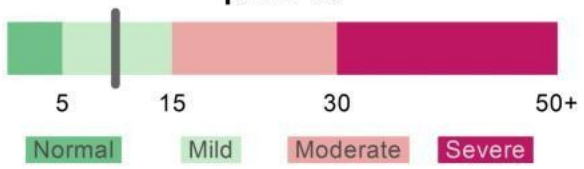
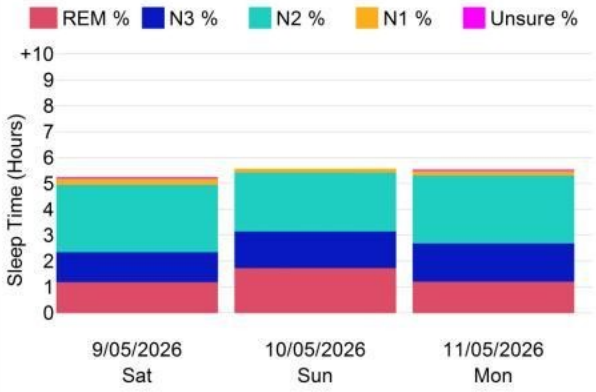
OSA

Average pAHI
across all reported nights

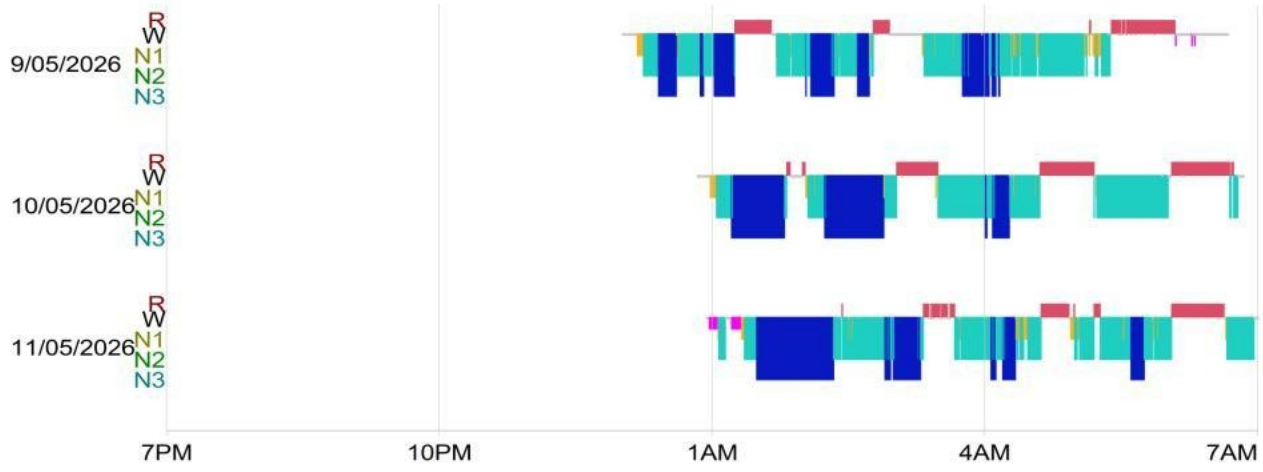
pAHI 10



SLEEP ARCHITECTURE



HYPNOGRAM SUMMARY



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SLEEP INDICATORS

	Average	09/05 Sat	10/05 Sun	11/05 Mon	- -	- -	- -	- -
Total Sleep Time (TST)	**5.0 hrs**	5:13	5:32	5:30				
Total Sleep Time (TST)	**325.0 min**	313	332	330				
Time Available for Sleep	**372.3 min**	396	359	362				
Sleep Efficiency	**87.3 %**	79	92	91				
Sleep Latency	**7.3 min**	9	7	6				
Wake After Sleep Onset	**38.3 min**	75	20	20				
REM Latency	**66.0 min**	65	51	82				
% N1	**3.0 %**	4	2	3				
% N2	**45.7 %**	49	41	47				
% N3	**24.3 %**	22	25	26				
% REM	**25.0 %**	23	31	21				
Unscored	**5.0 min**	2	0	13				

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	09/05	10/05	11/05	-	-	-	-
			Sat	Sun	Mon	-	-	-	-
REM	Sleep Duration	**83.0 min**	72	104	73				
	Respiratory Events	**26.3**	54	17	8				
	pAHI	**20.7 /hr**	45	10	7				
	Snore Index	**315.0 /hr**	408	251	286				
	Arousals Index	**12.5 /hr**	14.2	11.0	12.4				
NREM	Sleep Duration	**242.3 min**	241	228	258				
	Respiratory Events	**26.0**	39	23	16				
	pAHI	**6.7 /hr**	10	6	4				
	Snore Index	**446.0 /hr**	630	434	274				
	Arousals Index	**6.8 /hr**	9.2	5.0	6.3				
TOTAL	Sleep Duration (TST)	**325.0 min**	313	332	330				
	Respiratory Events	**52.3**	93	40	24				
	Longest Resp. Event	**86.0 sec**	69	82	107				
	pAHI **	**9.7 /hr**	**18**	**7**	**4**				
	Snore Index	**411.0 /hr**	579	377	277				
	Arousals Index	**8.3 /hr**	10.4	6.9	7.6				
SUPINE	Sleep Duration	**266.3 min**	306	292	201				
	Respiratory Events	**47.0**	89	37	15				
	pAHI	**11.0 /hr**	20	8	5				
	Snore Index	**466.0 /hr**	658	441	299				
	Arousals Index	**7.7 /hr**	9.9	6.1	7.0				
NONSUP	Sleep Duration	**108.7 min**	94	69	163				
	Respiratory Events	**5.3**	4	3	9				
	pAHI	**4.3 /hr**	6	3	4				
	Snore Index	**132.3 /hr**	40	110	247				
	Arousals Index	**10.8 /hr**	13.5	10.3	8.5				

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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 (≥3%) and heart rate divided by the total sleep time (TST).

RESPIRATORY SUMMARY*** (BASED ON REI, MT)

		Average	09/05	10/05	11/05	-	-	-	-
			Sat	Sun	Mon	-	-	-	-
T	Monitoring Time	**285.0 min**	322	269	264				
	Total REI	**12.2 /hr**	**21.6**	**9.4**	**5.7**				
S	Monitoring Time	**220.3 min**	264	242	155				
	Supine REI	**13.4 /hr**	24.4	9.7	6.2				
NS	Monitoring Time	**64.7 min**	58	27	109				
	Non-Supine REI	**7.0 /hr**	9.3	6.7	5.0				

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

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SpO_2 SUMMARY								
	Average	09/05	10/05	11/05	-	-	-	-
		Sat	Sun	Mon	-	-	-	-
SpO_2								
Start (awake)	**91.7 %**	91	93	91				
Average (sleep)	**92.3 %**	92	93	92				
Minimum	**77.3 %**	73	73	86				
Desaturations (3%)								
Largest Desaturation	**13.0 %**	19	11	9				
No. of Desaturations	**57.7**	97	44	32				
ODI	**10.8 /hr**	18.6	8.0	5.8				
Desats with $SpO_2 \leq 90\%$								
Number	**42.3**	81	23	23				
Time (T90)	**26.0 min**	38.5	9.6	29.9				
Time as % of Sleep (T90)	**11.0 %**	15.8	3.9	13.3				
	Valid SpO2 measurement time is determined by Total Sleep Time (TST) less any periods of baseline drift during TST.							
Heart Rate								
Average	**58.3 BPM**	62	57	56				
Maximum	**74.3 BPM**	79	76	68				
Minimum	**44.7 BPM**	47	41	46				

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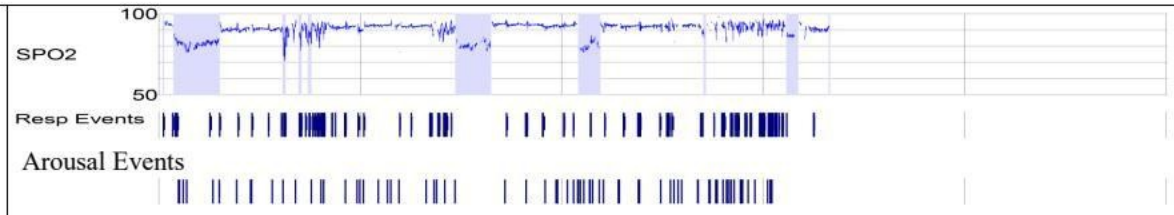
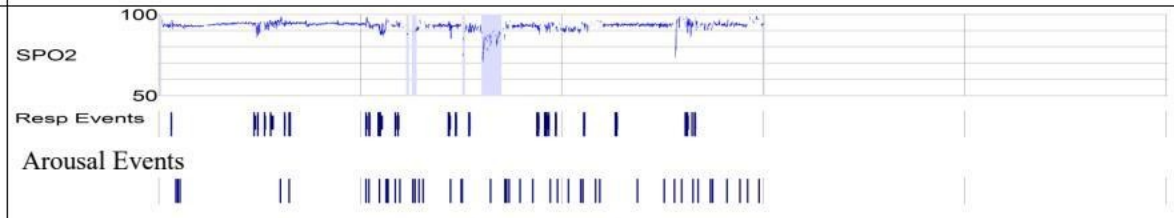
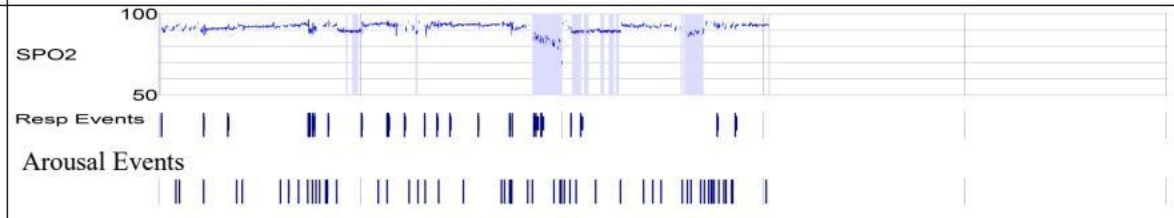
SpO_2 AND RESPIRATORY EVENT SUMMARY

09/05 Sat	
10/05 Sun	
11/05 Mon	
- -	
- -	
- -	
- -	

Note: Each vertical grey bar indicates 2 hours of study time.
Periods of baseline drift are indicated by pale blue background shading on the SpO_2 graph. This time period is included for detection of respiratory events metrics (pAHI, ODI, REI) but excluded for SpO_2 metrics calculations.

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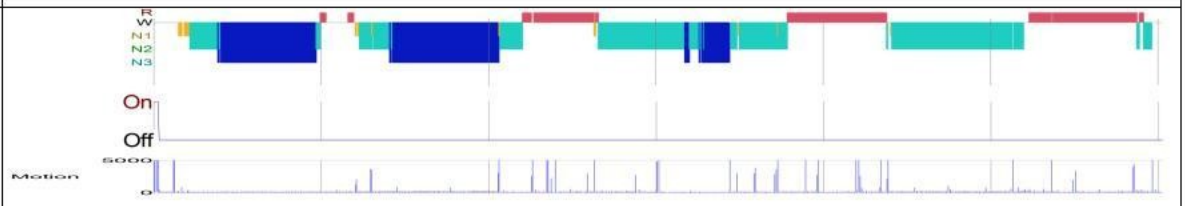
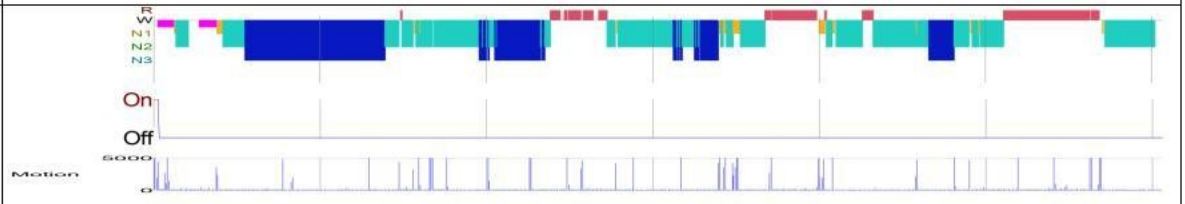
SLEEP AND MOVEMENT SUMMARY

09/05 Sat	
10/05 Sun	
11/05 Mon	
- -	
- -	
- -	
- -	

Note: Each vertical grey bar indicates 1 hour of study time.

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STUDY QUALITY							
	09/05	10/05	11/05	-	-	-	-
	Sat	Sun	Mon	-	-	-	-
EEG Impedance – Right	Query	Good	Good				
EEG Impedance – Left	Good	Good	Query				
Somfit Data Lost	Good	Good	Good				
% Somfit Data Lost	0.0 %	0.0 %	0.0 %	%	%	%	%
Unscorable Sleep Staging	Good	Good	Good				
% Unscorable Sleep Staging	0.0 %	0.0 %	3.0 %	%	%	%	%
Total SpO_2 Artifact	Query	Query	Query				
% Motion Artifact	19.0 %	20.0 %	26.0 %	%	%	%	%
% Off Artifact	1.0 %	0.0 %	1.0 %	%	%	%	%
% Low SNR Artifact	0.0 %	0.0 %	0.0 %	%	%	%	%
% Low PI Artifact	0.0 %	5.0 %	0.0 %	%	%	%	%
Baseline Drift	Good	Good	Good				
% Time of Baseline Drift	18.0 %	4.0 %	11.0 %	%	%	%	%
Start Battery	Good	Good	Good				
Start Battery Level %	100 %	100 %	100 %	%	%	%	%
Battery Discharge	Good	Good	Good				
Battery Discharge (%/hr)	4 %/hr	4 %/hr	4 %/hr	%/hr	%/hr	%/hr	%/hr

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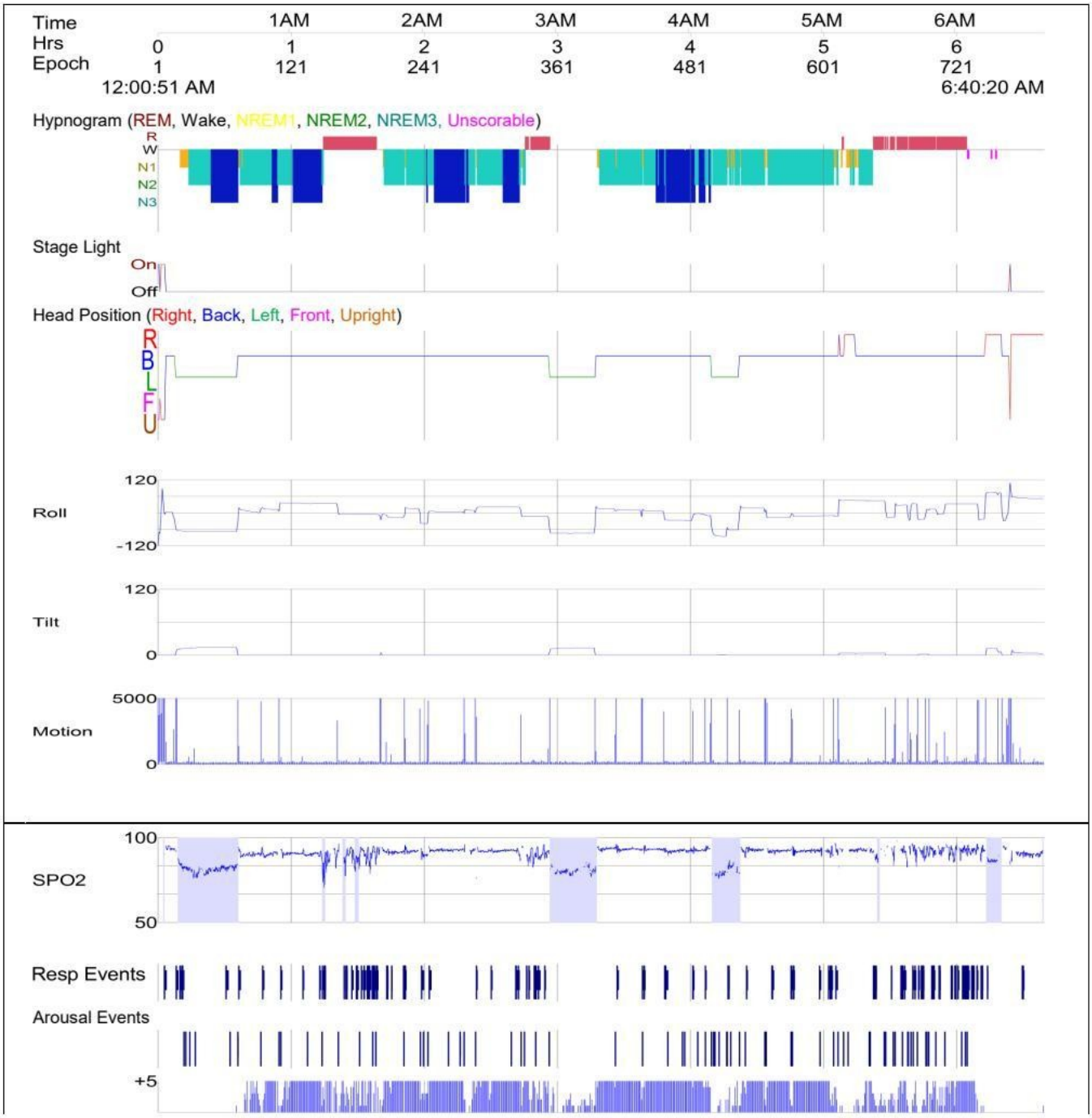

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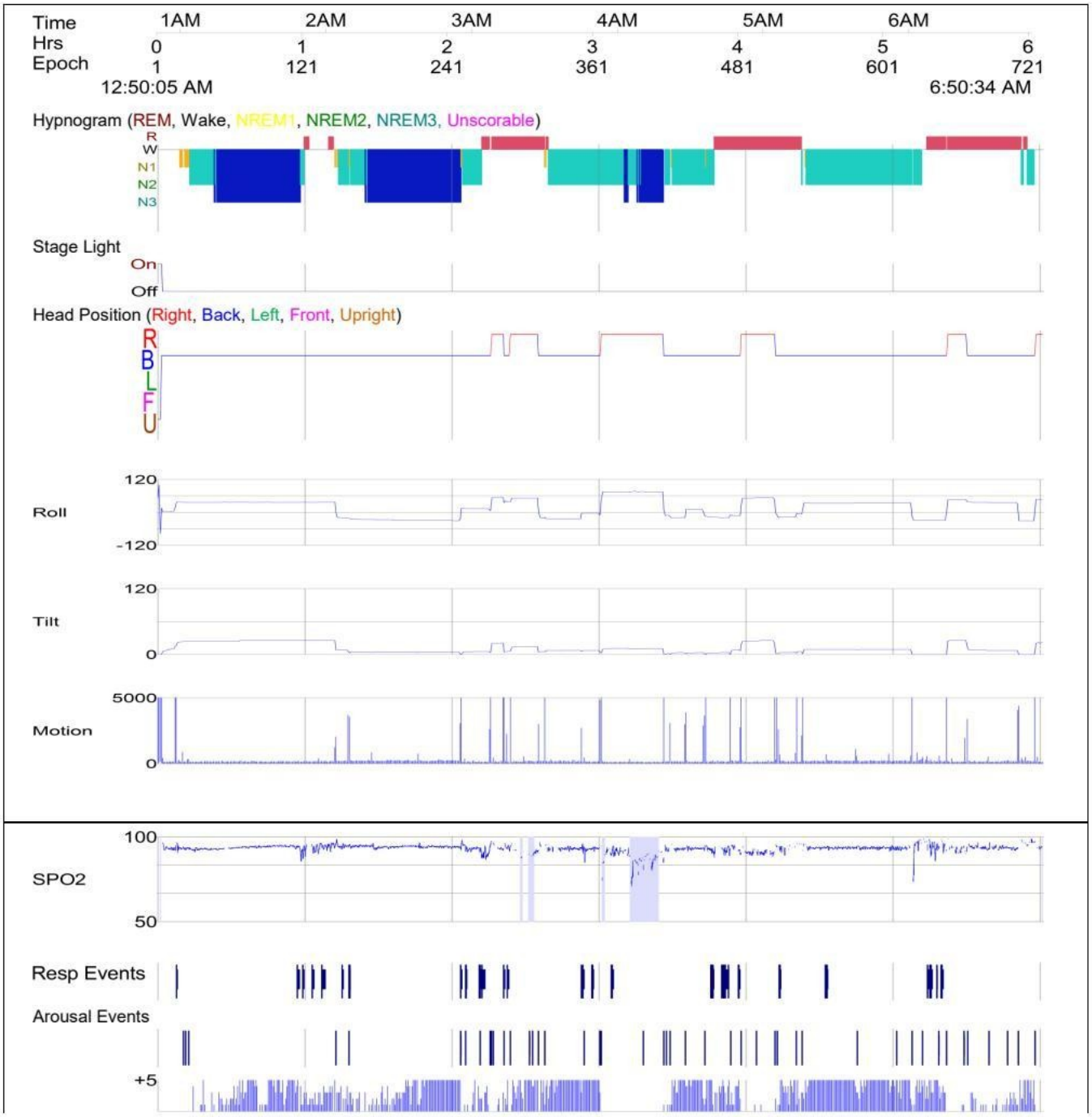

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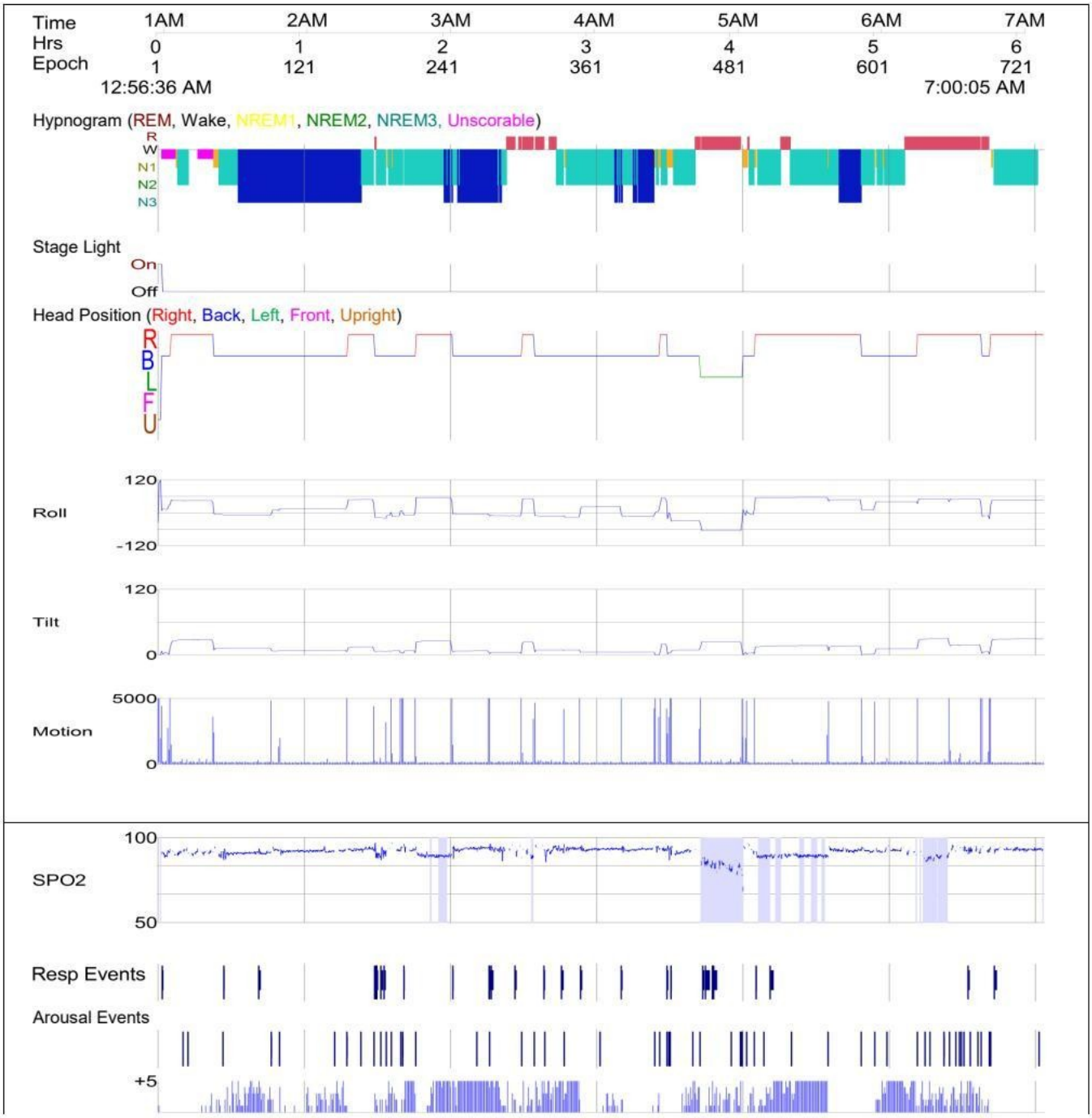

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