

HyNet North West Hydrogen Pipeline

Delivering clean growth



Appendix 10B

Baseline Noise Survey Report

October 2024

Revision 1

Volume

0001

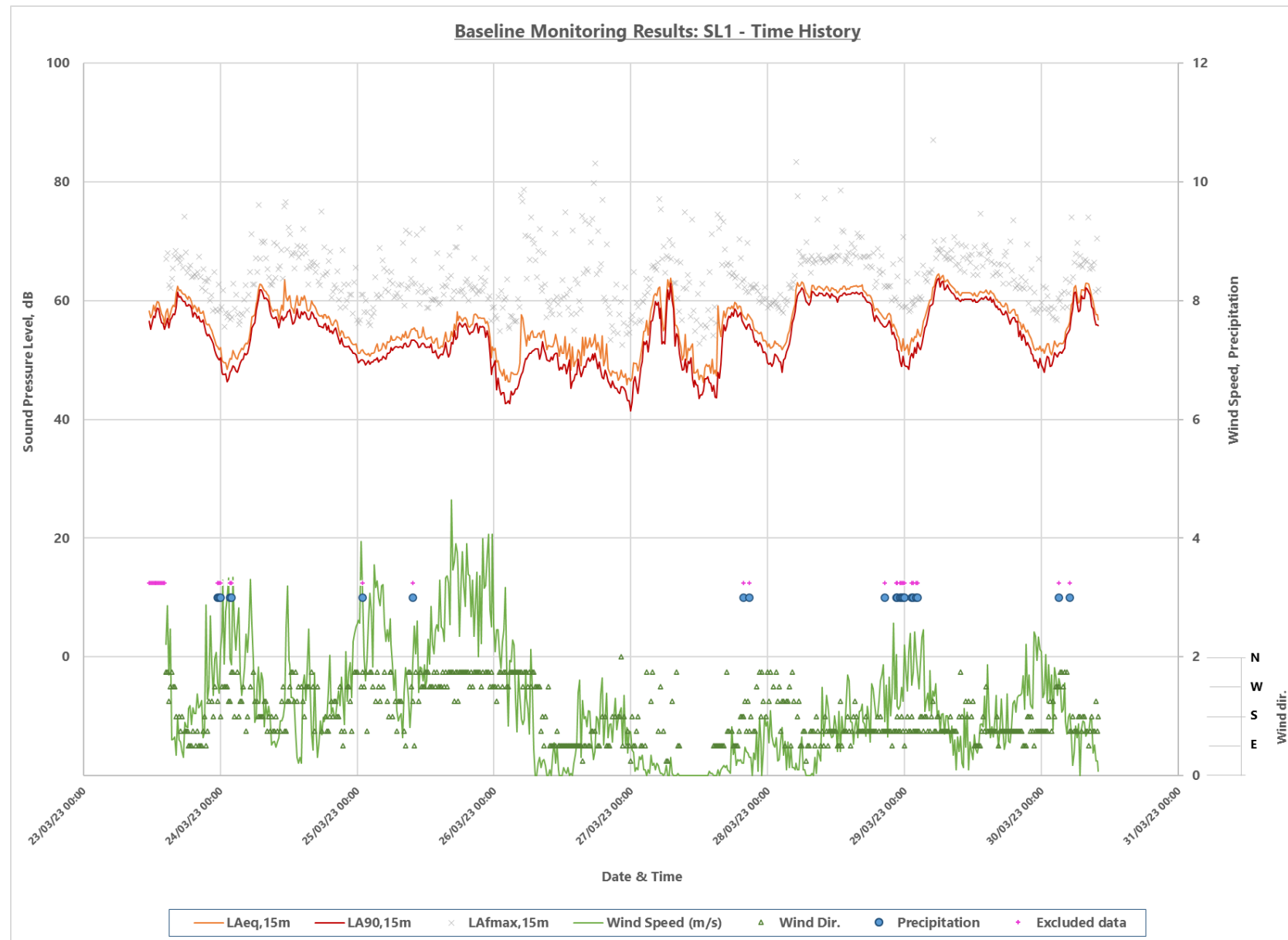
Document ref.

852552-WSPE-IA-ES-RP-NV-872521

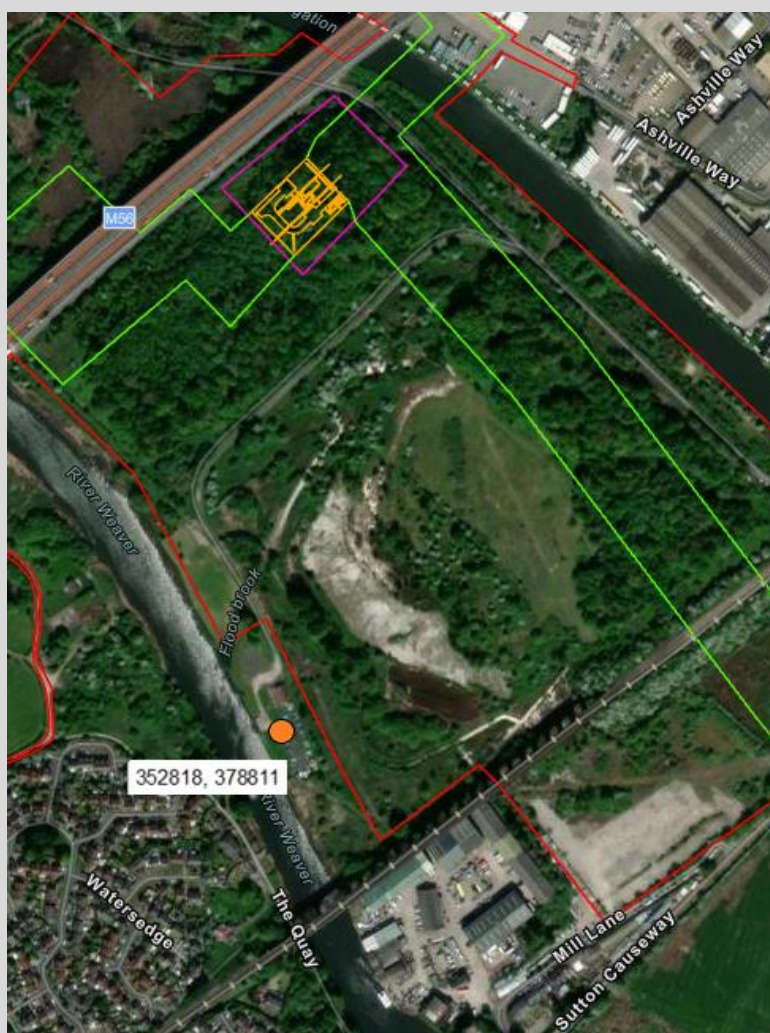
Hydrogen Production Plant HAGI Site- ST1

Monitoring position:	Description of monitoring location	Monitoring Position
X: 345022 Y: 374641 53.265901, -2.825734	The Sound Level Meter (SLM) was deployed along the southwestern boundary of the residential property's garden perimeter. The SLM was located in a free field position, approximately 20m from the closest acoustically reflective façade.	
Location: Cryers Lane, Elton, Chester	The SLM was on a parcel of land approximately 300m to the south of the proposed HAGI site. Road traffic movements along the A5117 were noted as a dominant noise source during kit deployment.	
Duration: 23/03/2023 11:30 – 30/03/2023 12:15	General observations The noise environment noted during SLM deployment and collection was dominant noise from the A5117 with light traffic along the local road, Cryers Lane (B5132). A slight breeze through the trees with some bird song that contributed to the overall noise environment.	

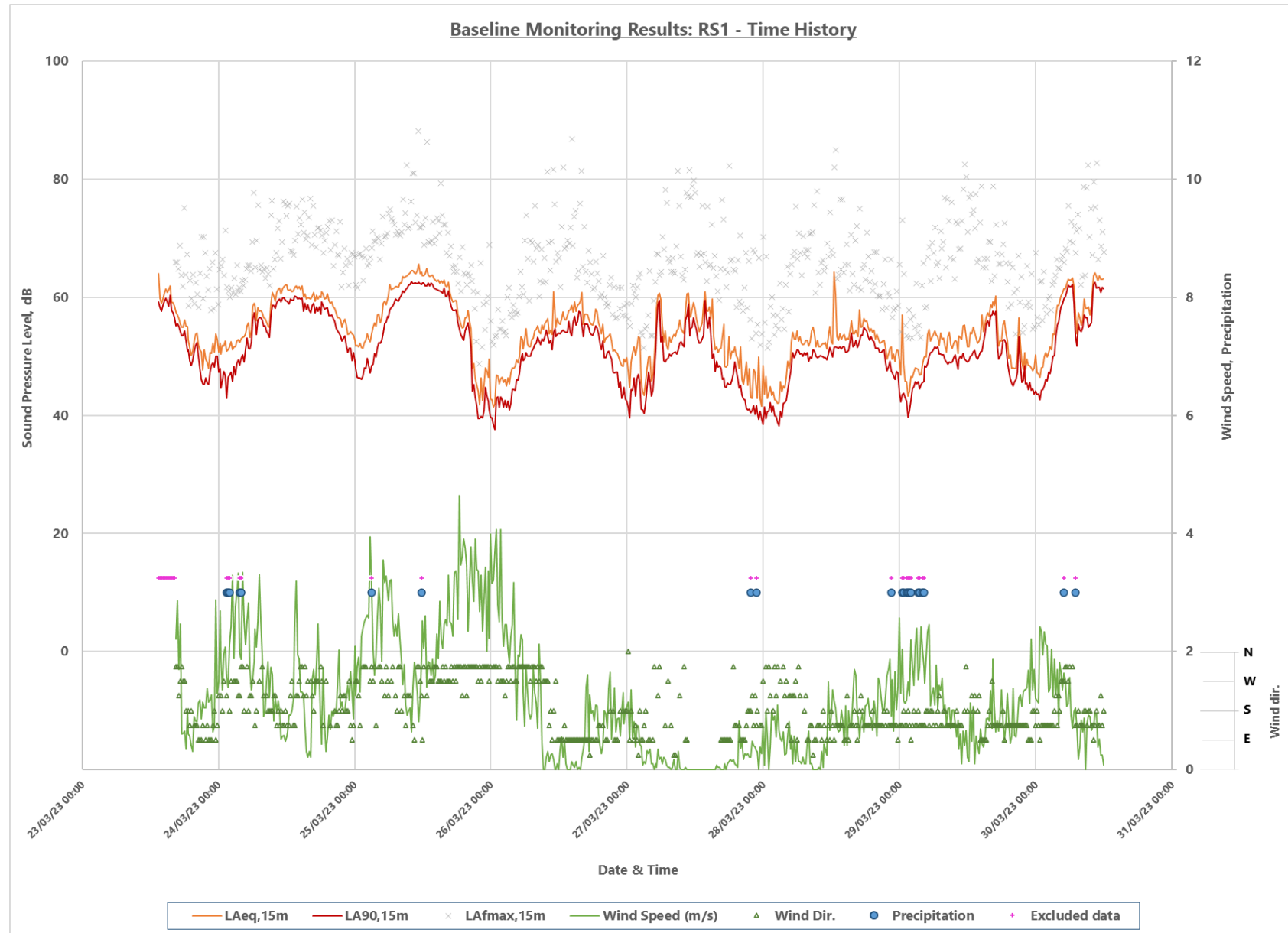




Rocksavage HAGI Site – RS1

Monitoring position	Description of monitoring location	Monitoring Position
X: 352818 Y: 378811 53.304132, -2.709474 Location: Weaver Sailing Club, Frodsham Duration: 23/03/2023 13:30 - 30/03/2023 13:15	The Sound Level Meter (SLM) was deployed in the grounds of Weaver Sailing Club. The SLM was located in a free field position, approximately 10m from the closest acoustically reflective façade. The SLM was on a parcel of land approximately 450m to the south of the proposed HAGI site. Road traffic movements along the M56 were noted as a dominant noise source during kit deployment. General observations The noise environment noted during SLM deployment and collection was generally quiet. Noise from road traffic movements along the M56 were the dominant noise sources along with a slight breeze through rings/sails against poles.	

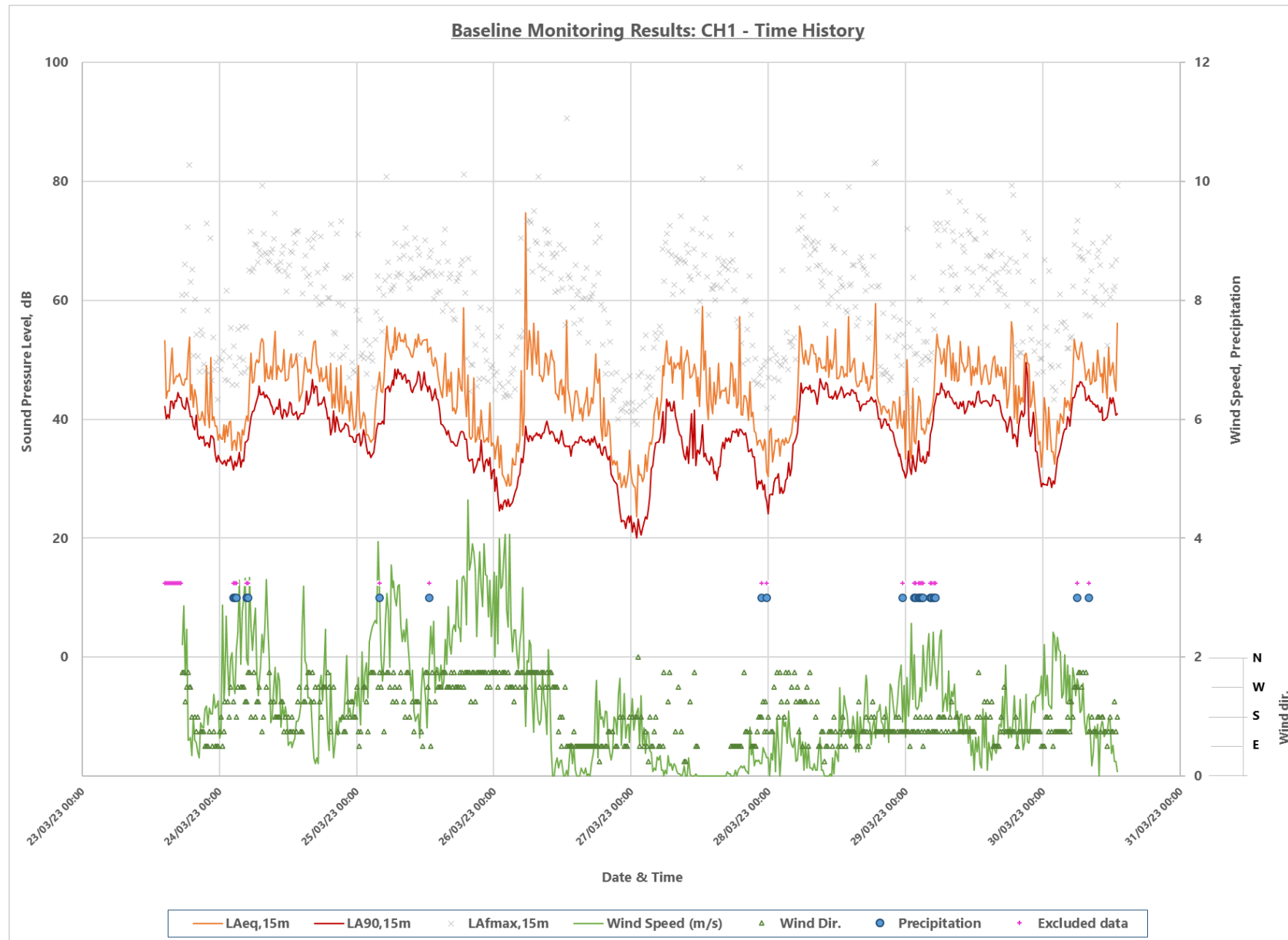




Central Hub HAGI Site – CH1

Monitoring position	Description of monitoring location	Monitoring Position
X: 360266 Y: 378417 53.301200, - 2.597676 Location: Marsh Lane, Dutton, Warrington	The Sound Level Meter (SLM) was deployed to the north west of the closest residential receptor. The SLM was located in a free field position, approximately 20m from the closest acoustically reflective façade. The SLM was on a parcel of land approximately 350m to the south of the proposed HAGI site. Distant road traffic movements were noted as a dominant noise source during kit deployment.	
Duration: 23/03/2023 14:30 - 30/03/2023 14:00	General observations The noise environment noted during SLM deployment and collection was generally quiet, and typical of a rural location. Noise from distant road traffic movements, occasional road traffic movements from Marsh Lane, along with birdsong, a slight breeze through the trees and occasional domestic noise from the nearby farm contributed to the overall noise environment.	

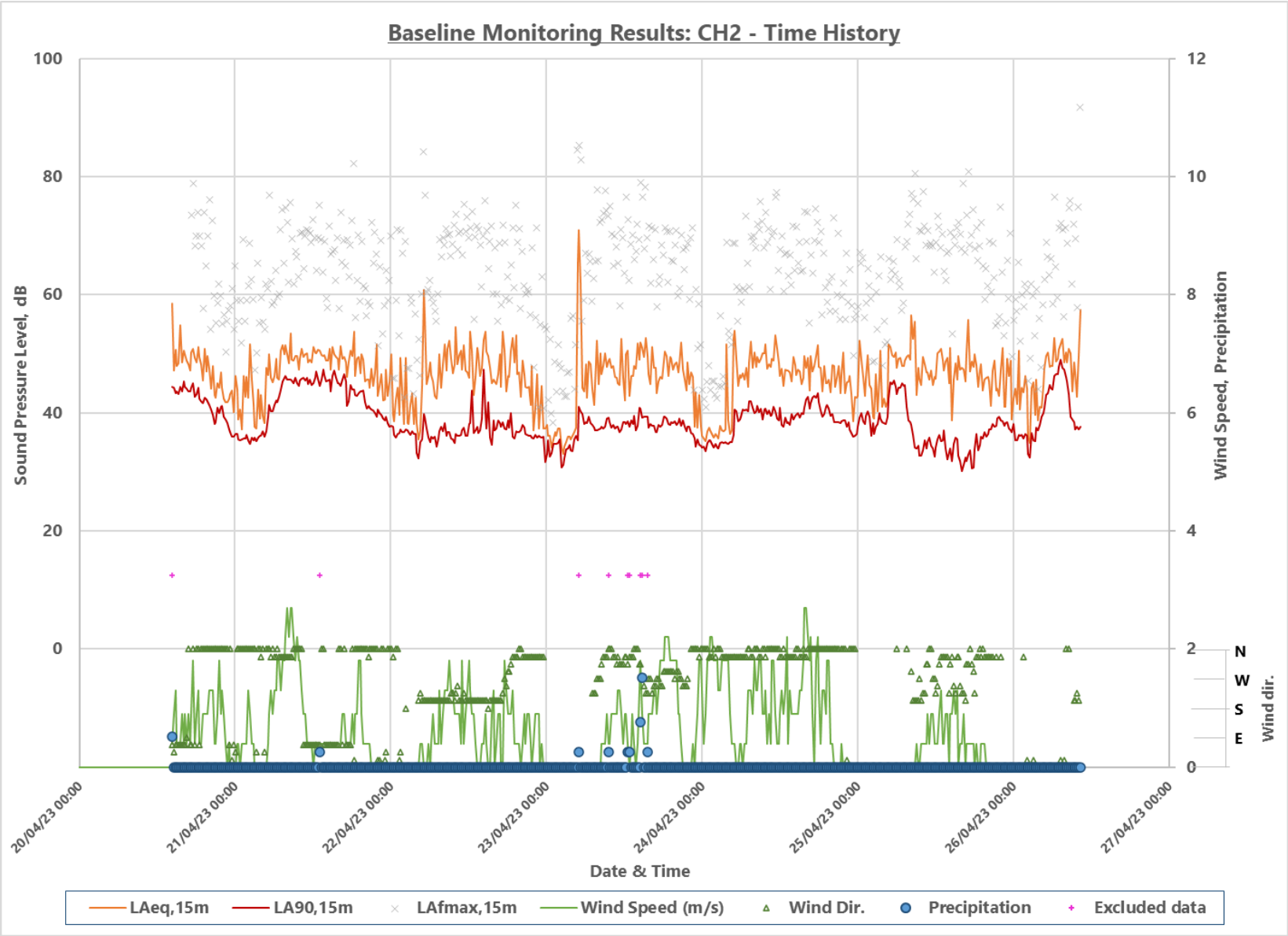




Central Hub HAGI Site – CH2

Monitoring position	Description of monitoring location	Monitoring Position
X: 360551 Y: 377975 53.297252, - 2.5933421	The Sound Level Meter (SLM) was deployed to the north west of the closest residential receptor. The SLM was located in a free field position, approximately 100m from the closest acoustically reflective façade.	
Location: Marsh Lane, Dutton, Warrington	The SLM was on a parcel of land approximately 500m to the south of the proposed HAGI site. Distant road traffic movements on Marsh Lane and Taporley Road were noted as a dominant noise source during kit deployment.	
Duration: 20/04/2023 14:17 - 26/04/2023 10:17	General observations The noise environment noted during SLM deployment and collection was generally quiet, and typical of a rural location. Noise from distant road traffic movements, occasional road traffic movements from Marsh Lane, along with birdsong, a slight breeze through the trees and occasional construction noise from the nearby farm renovation contributed to the overall noise environment.	

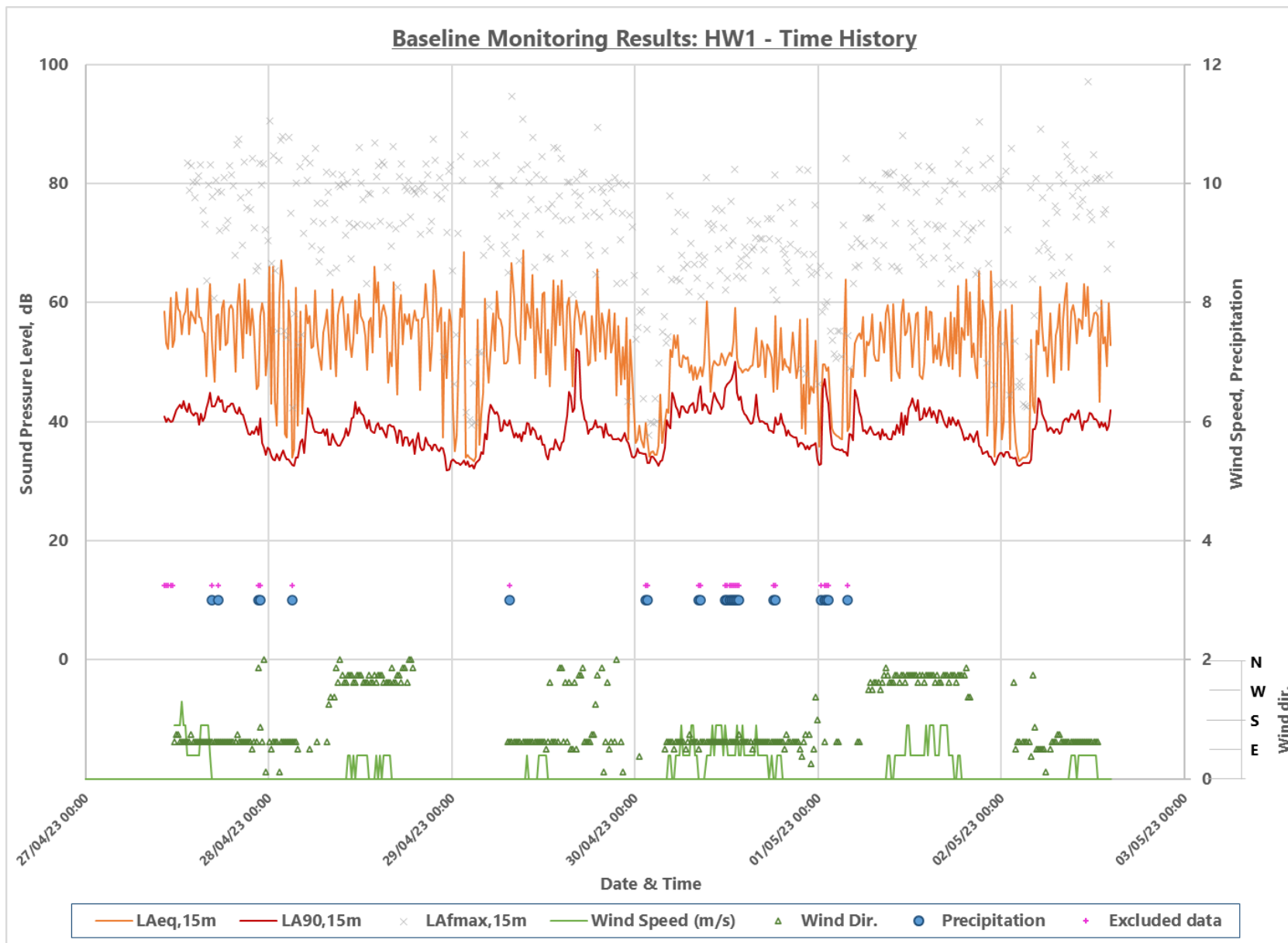




Higher Walton HAGI Site – HW1

Monitoring position	Description of monitoring location	Monitoring Position
X: 358493 Y: 385276 53.362715, - 2.6251725 Location: Bellhouse Lane, Warrington	The Sound Level Meter (SLM) was deployed to the east of the closest residential receptor. The SLM was located in a free field position, approximately 20m from the closest acoustically reflective façade and 15m from the railway line. The SLM was on a parcel of land approximately 520m to the south of the proposed HAGI site. Rail traffic movements on the Chester – Warrington railway line noted as a dominant noise source during kit deployment.	
Duration: 27/04/2023 10:22 - 02/05/2023 14:22	General observations The noise environment noted during SLM deployment and collection was generally quiet, and typical of a rural location. Noise from rail traffic movements, occasional road traffic movements from Bellhouse Lane, along with contributions from birdsong, slight breeze through the trees and occasional noise from the BIGolf swing centre practice area situated on Bellhouse Lane. On collection intermittent chainsaw activity was noted about 100m from the SLM.	

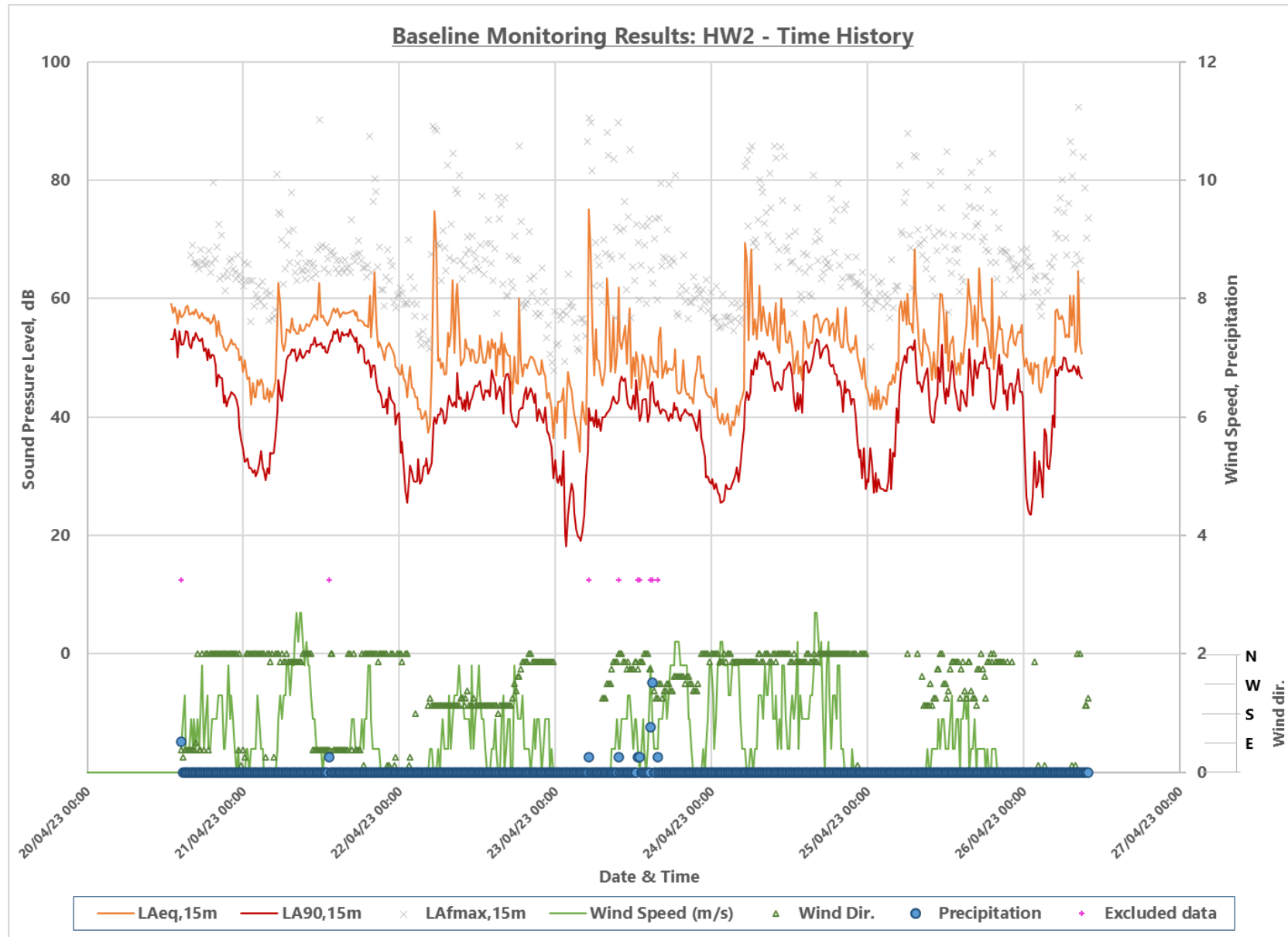




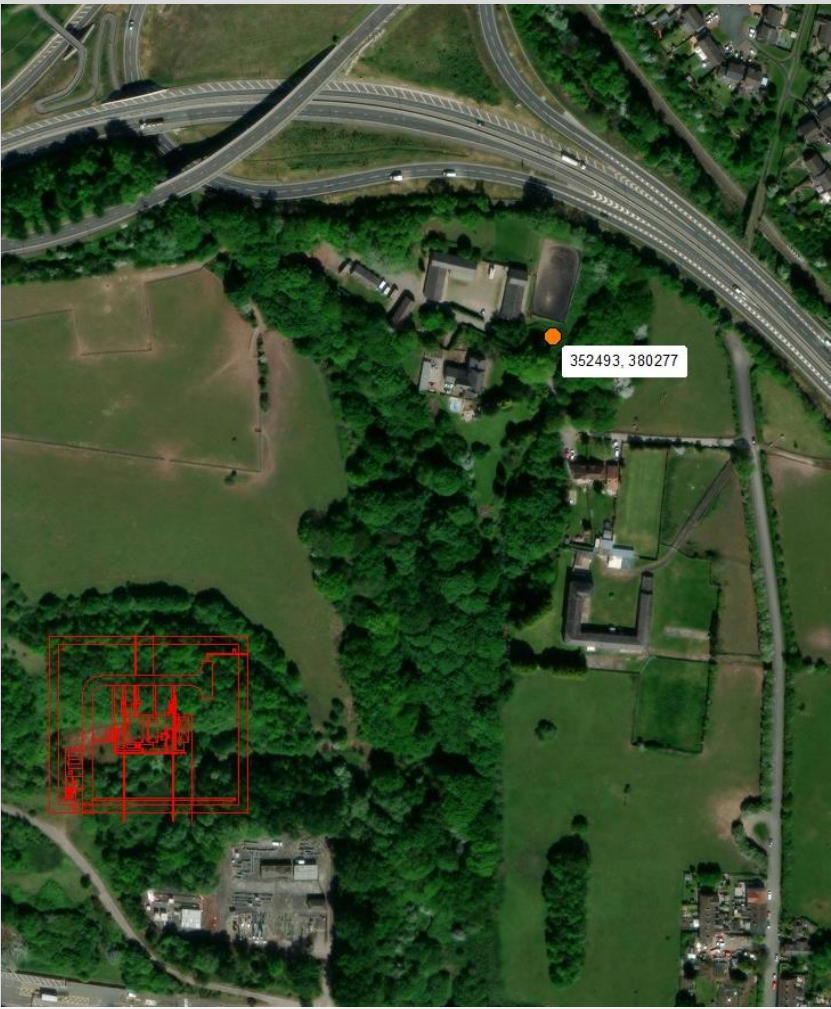
Higher Walton HAGI Site – HW2

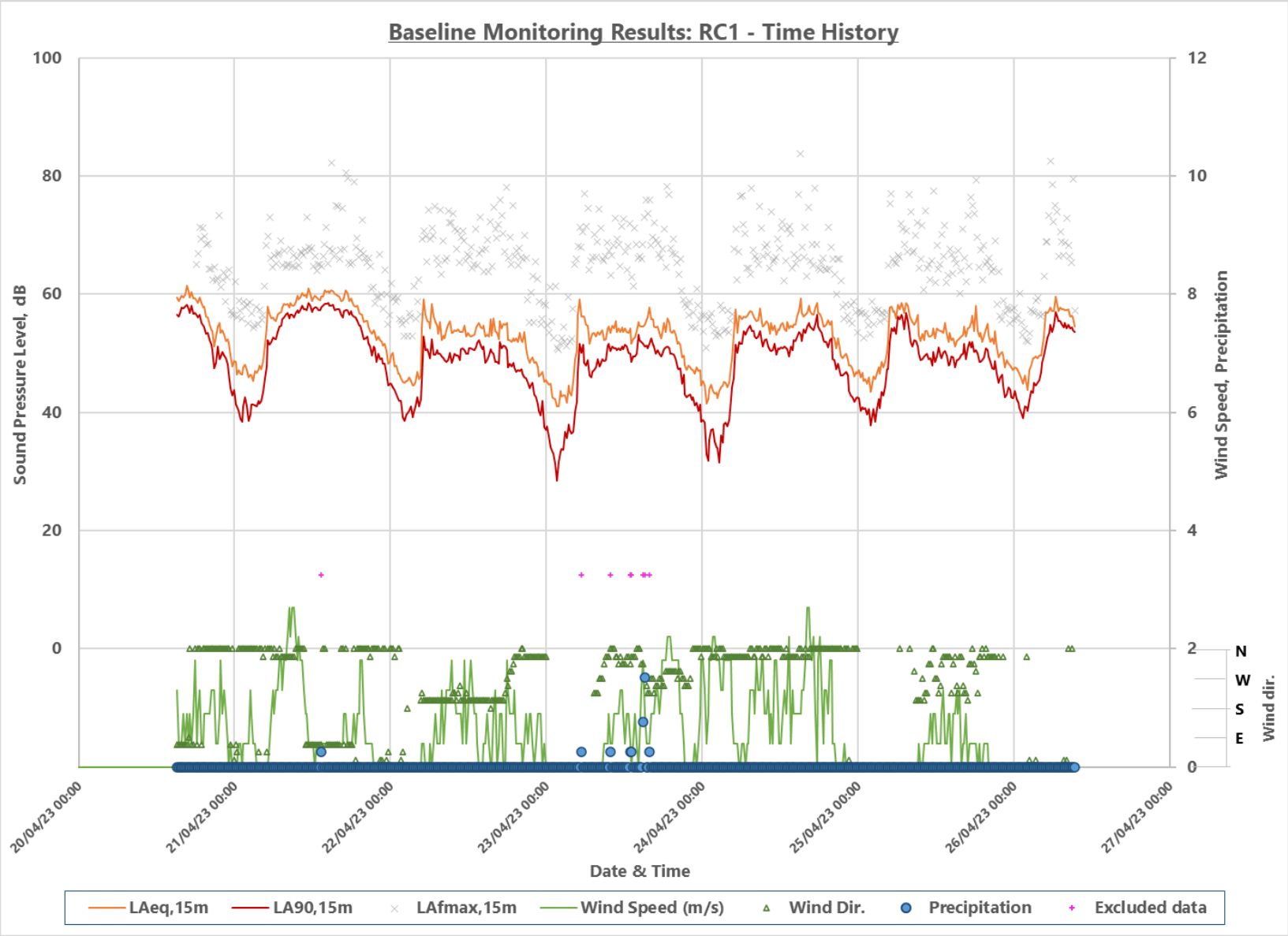
Monitoring position	Description of monitoring location	Monitoring Position
X: 359162 Y: 385405 53.363932, - 2.615140 Location: Mill Lane, Walton, Warrington	The Sound Level Meter (SLM) was deployed to the south west of the closest residential receptor. The SLM was located in a free field position, approximately 60m from the closest acoustically reflective façade. The SLM was on a parcel of land approximately 450m to the south east of the proposed HAGI site. Distant road traffic movements on the A56 were noted as a dominant noise source during kit deployment.	
Duration: 20/04/2023 12:56 - 26/04/2023 09:56	General observations The noise environment noted during SLM deployment and collection was generally quiet, and typical of a rural location. Noise from distant road traffic movements, occasional road traffic movements from Marsh Lane, along with birdsong, a slight breeze through the trees.	





Runcorn HAGI Site – RC1

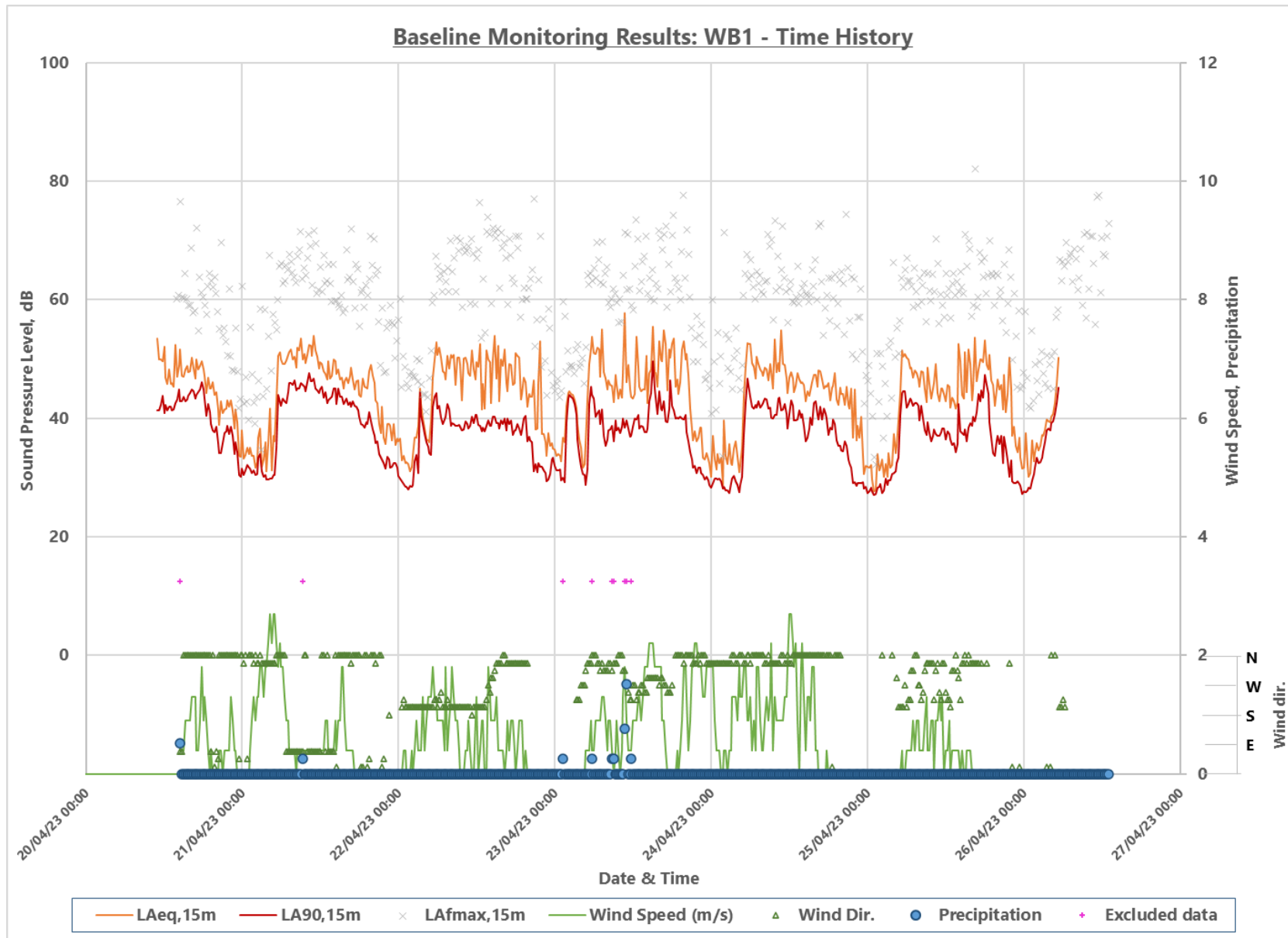
Monitoring position	Description of monitoring location	Monitoring Position
X: 352493 Y: 380277 53.317279, - 2.7145781	The Sound Level Meter (SLM) was deployed to the north east of the closest residential receptor. The SLM was located in a free field position, approximately 20m from the closest acoustically reflective façade.	
Location: Cholmondeley Road, Runcorn	The SLM was on a parcel of land approximately 350m to the north east of the proposed HAGI site. Distant road traffic movements on the A557 were noted as a dominant noise source during kit deployment.	
Duration: 20/04/2023 15:08 - 26/04/2023 09:23	General observations The noise environment noted during SLM deployment and collection was generally quiet. Road traffic noise from the A557, occasional road traffic movements from Cholmondeley Road, along with birdsong, a slight breeze through the trees and occasional domestic noise from the riding school and livery yard contributed to the overall noise environment.	



Warburton HAGI Site – WB1

Monitoring position	Description of monitoring location	Monitoring Position
X: 372325 Y: 388438 53.392047, - 2.417607	The Sound Level Meter (SLM) was deployed to the south west of the closest residential receptor. The SLM was located in a free field position, approximately 50m from the closest acoustically reflective façade.	
Location: Barns Lane, Dunham Massey	The SLM was on a parcel of land approximately 140m to the south east of the proposed HAGI site. Occasional road traffic movements were noted as a noise source during kit deployment.	
Duration: 20/04/2023 11:00 - 26/04/2023 13:00	General observations The noise environment noted during SLM deployment and collection was generally quiet, and typical of a rural location. Noise from occasional road traffic movements on Barns Lane, birdsong and a slight breeze through the trees contributed to the overall noise environment.	

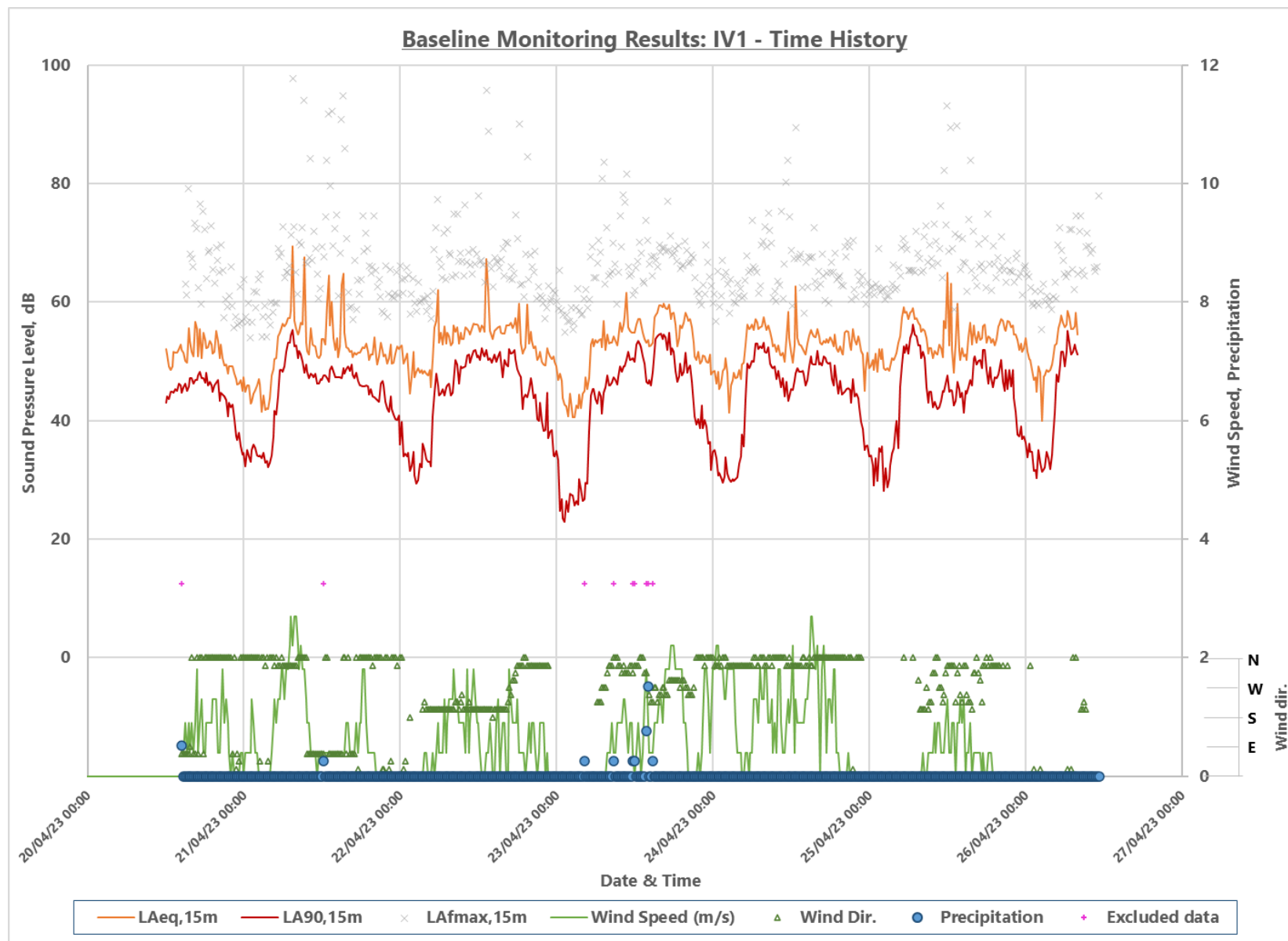




Hydrogen Storage Facility HAGI Site – IV1

Monitoring position	Description of monitoring location	Monitoring Position
X: 369498 Y: 369989 53.226062, - 2.458338	The Sound Level Meter (SLM) was deployed to the north east of the closest residential receptor. The SLM was located in a free field position, approximately 210m from the closest acoustically reflective façade.	
Location: A530, Northwich	The SLM was on a parcel of land approximately 200m to the west of the proposed HAGI site. Distant road traffic movements on the A530 were noted as a dominant noise source during kit deployment.	
Duration: 20/04/2023 12:00 - 26/04/2023 11:15	General observations The noise environment noted during SLM deployment and collection was generally quiet. Noise from distant road traffic movements, along with birdsong and a slight breeze through the trees contributed to the overall noise environment.	

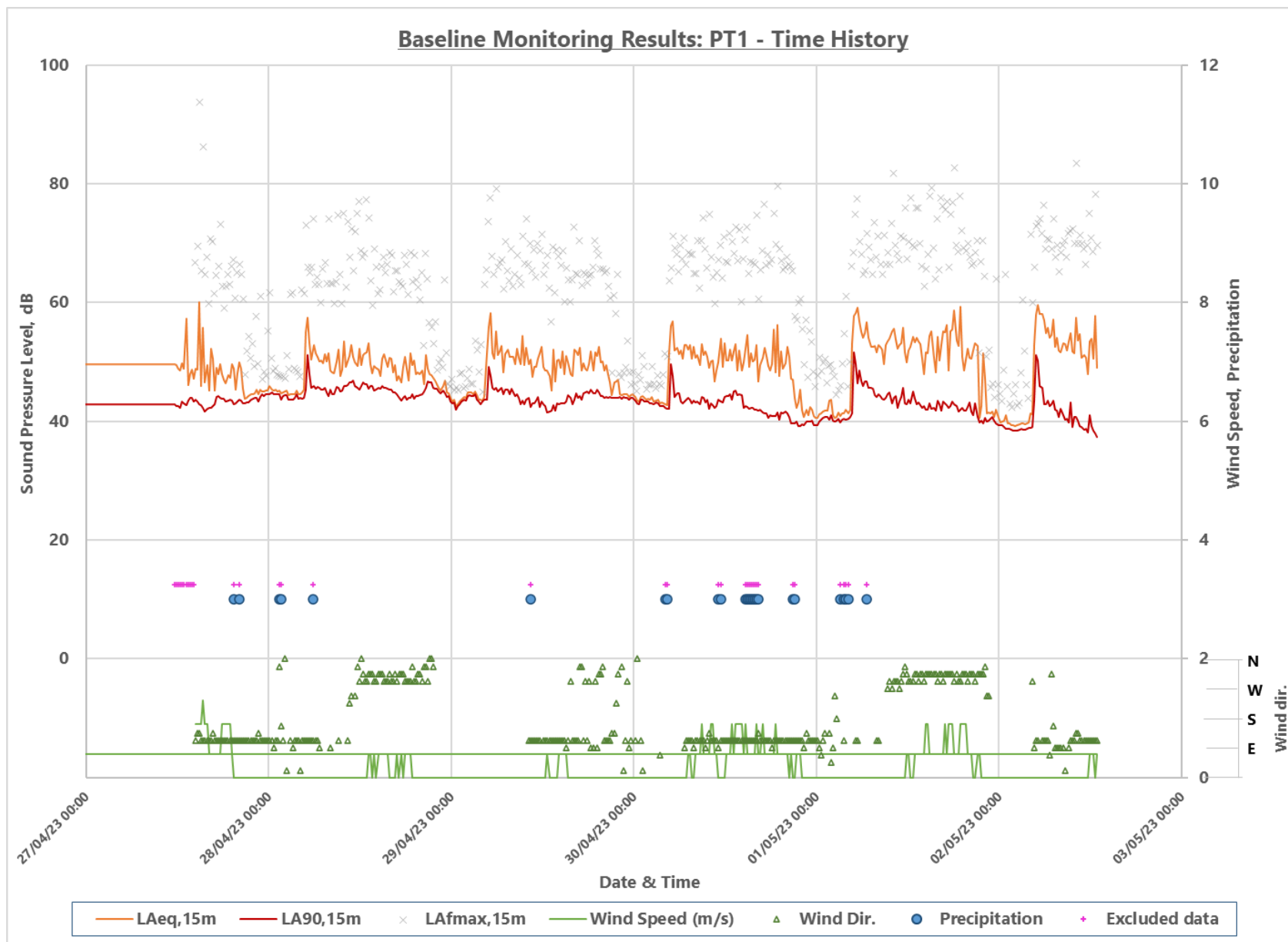




Partington HAGI Site – PH1

Monitoring position	Description of monitoring location	Monitoring Position
X: 373085 Y: 391787 53.422186, - 2.4064718	The Sound Level Meter (SLM) was deployed to the south of the closest residential receptor. The SLM was located in a free field position, approximately 15m from the closest acoustically reflective façade.	
Location: Common Lane, Carrington	The SLM was on a parcel of land approximately 220m to the north east of the proposed HAGI site. Commercial noise from the factory located 200m from the SLM was noted as a dominant noise source during kit deployment.	
Duration: 27/04/2023 11:39 - 02/05/2023 12:54	General observations The noise environment noted during SLM deployment and collection was generally quiet. Commercial noise from the factory, along with birdsong and a slight breeze through the trees contributed to the overall noise environment.	





Partington HAGI Site – PH2

Monitoring position	Description of monitoring location	Monitoring Position
X: 372649 Y: 391031 53.415369, - 2.4129671	The Sound Level Meter (SLM) was deployed to the south east of the closest residential receptor. The SLM was located in a free field position, approximately 70m from the closest acoustically reflective façade.	
Location: Heath Farm Lane, Partington	The SLM was on a parcel of land approximately 650m to the south of the proposed HAGI site. Intermittent construction noise was noted as a dominant noise source during kit deployment.	
Duration:	General observations	

**27/04/2023 12:12 -
02/05/2023 13:27**

The noise environment noted during SLM deployment and collection was generally quiet. Noise from the construction site was the dominant noise source, although still generally quiet. Birdsong, a slight breeze through the trees and an occasional neigh from the horses in the field also contributed to the overall noise environment.





