



AMERICAN
UNIVERSITY

WASHINGTON, D C

Jacobs Field
Quarterly Sound
Monitoring Report

December 2024 – February 2025



AMERICAN UNIVERSITY

WASHINGTON, DC

Jacobs Field Audio Equipment and Sound Measurement Standard Operating Protocol and Procedure Checklist

Created Date: 5/10/23, Last Revision: 5/10/23

Audio Equipment			
	Yes	No	Notes
Approved audio equipment?	☒	☐	ONLY the approved equipment located in the cabinet stored at Jacobs Field shall be used.
Approved laptop in place and connected directly to designated mixer port?	☒	☐	ONLY laptop labelled "Approved for Use at Jacobs Field" may be used.
Speakers placed and facing proper direction?	☒	☐	All speakers shall face directly away from the adjacent property ONLY and be placed at ground level per diagram.
Mixer channels set to marked levels?	☒	☐	Knobs shall not be turned past the red markings for each input.
No external sources of amplified sound?	☒	☐	All sources of amplified sound shall ONLY be connected to the mixer.
Digital signal processor power on?	☒	☐	Amplified sound shall ONLY be used when DSP is powered on.
Meter			
	Yes	No	Notes
Compliant meter?	☒	☐	ONLY NOR139 model meter shall be used.
Approved location?	☒	☐	Meter shall be in approved location for the entire monitoring period and mounted on a tripod at a height of approximately 5 feet.
Battery check completed and meter clock synced to time source?	☒	☐	Battery type: internal ☐ external ☒ NOTE: If battery low, replace prior to taking of measurements. Time source (e.g. phone, watch, etc...): <u>I phone</u>
Calibration completed?	☒	☐	Date and Time of Calibration: <u>2/10 @ 10 AM</u> Sensitivity Settings: <u>-27.4</u>
Meter setup complete?	☒	☐	Time weighting = Slow , Frequency weighting = A
Windscreen on?	☒	☐	Windscreen must be on prior to taking readings.
Wind speed and direction noted?	☒	☐	Wind speed: <u>2 mph</u> Wind direction: <u>East</u>



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Measurements

	Yes	No																					
Date and type of event noted?	☒	☐	Date: <u>2/11/25</u> Event type: <u>WLAX v Howard</u>																				
Name of operator noted?	☒	☐	Name: <u>Angie Rootley</u>																				
Pregame startup test completed?	☒	☐	<table border="1"><thead><tr><th>Source</th><th>Average (dBA)</th><th>Maximum (slow)</th><th>Duration (secs)</th></tr></thead><tbody><tr><td>Music</td><td></td><td></td><td></td></tr><tr><td>PA</td><td></td><td></td><td></td></tr><tr><td>Shot Clock</td><td></td><td></td><td></td></tr><tr><td>Horn</td><td></td><td></td><td></td></tr></tbody></table>	Source	Average (dBA)	Maximum (slow)	Duration (secs)	Music				PA				Shot Clock				Horn			
Source	Average (dBA)	Maximum (slow)	Duration (secs)																				
Music																							
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National Anthem start and end times noted?	☒	☐	Start time: <u>10:59 AM</u> End time: <u>11:02 AM</u>																				
Team introductions start and end times noted?	☒	☐	Start time: <u>10:54 AM</u> End time: <u>10:59 AM</u>																				
End time of each quarter noted?	☒	☐	Q1 end time: <u>11:34 AM</u> Other: Q2 end time: <u>12:04 PM</u> Q3 end time: <u>12:39 PM</u> Q4 end time: <u>1:03 PM</u>																				
Post-event battery voltage noted?	☒	☐	Voltage: <u>12.2</u>																				
Meter data and raw data saved?	☒	☐	File name for measurements: <u>250211</u>																				
Summary report generated and saved?	☒	☐																					

Notes (e.g., reasons for answering "No" to any above, problems encountered, corrections needed, etc...):

Sound testing device stopped recording after the 2nd quarter. Testing recorded incorrectly/tech issue

NOTE: THE BELOW SHALL BE SIGNED AND DATED AFTER THE CHECKLIST HAS BEEN FULLY COMPLETED. AN ELECTRONIC COPY OF THIS CHECKLIST SHALL BE SAVED TO FILE.

Signature: Angie Rootley Date: 2/18/25

AU Lacrosse vs Howard 02-11-25

[illegible]



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Measurements

	Yes	No																					
Date and type of event noted?	☒	☐	Date: <u>2/26/25</u> Event type: <u>AU LAX v GW</u>																				
Name of operator noted?	☒	☐	Name: <u>Angela Rookley</u>																				
Pregame startup test completed?	☒	☐	<table border="1"><thead><tr><th>Source</th><th>Average (dBA)</th><th>Maximum (slow)</th><th>Duration (secs)</th></tr></thead><tbody><tr><td>Music</td><td>63.9</td><td>69.1</td><td>32 secs</td></tr><tr><td>PA</td><td>59.3</td><td>64</td><td>32 17 secs</td></tr><tr><td>Shot Clock</td><td></td><td></td><td></td></tr><tr><td>Horn</td><td>67.5</td><td>70.4</td><td>12 secs</td></tr></tbody></table>	Source	Average (dBA)	Maximum (slow)	Duration (secs)	Music	63.9	69.1	32 secs	PA	59.3	64	32 17 secs	Shot Clock				Horn	67.5	70.4	12 secs
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National Anthem start and end times noted?	☒	☐	Start time: <u>1:00 pm</u> End time: <u>1:03 pm</u>																				
Team introductions start and end times noted?	☒	☐	Start time: <u>12:56 pm</u> End time: <u>12:59 pm</u>																				
End time of each quarter noted?	☒	☐	Q1 end time: <u>1:32 pm</u> Other: Q2 end time: <u>1:56 pm</u> Q3 end time: <u>2:32 pm</u> Q4 end time: <u>3:00 pm</u>																				
Post-event battery voltage noted?	☒	☐	Voltage: <u>12.9</u>																				
Meter data and raw data saved?	☒	☐	File name for measurements: <u>250226</u>																				
Summary report generated and saved?	☒	☐																					

Notes (e.g., reasons for answering "No" to any above, problems encountered, corrections needed, etc...):

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Signature: AUR R Date: 2/26/25



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Battery check completed and meter clock synced to time source?	☒	☐	Battery type: internal ☐ external ☒ NOTE: If battery low, replace prior to taking of measurements. Time source (e.g. phone, watch, etc...): <u>iPhone</u>
Calibration completed?	☒	☐	Date and Time of Calibration: <u>2/25 @ 10 AM</u> Sensitivity Settings: <u>-27.4</u>
Meter setup complete?	☒	☐	Time weighting = Slow , Frequency weighting = A
Windscreen on?	☒	☐	Windscreen must be on prior to taking readings.
Wind speed and direction noted?	☒	☐	Wind speed: <u>6 mph</u> Wind direction: <u>West</u>

AU Lacrosse vs GWU 02-26-25

Directory:																	
						Average	Fast Max	Slow Max	Fast Min	Slow Min	L1	L5	L10	L50	L90	L95	L99
File	Date: WLAX v George Washington 2/26/25	Duration		Status	LAeq	LAFmax	LASmax	LAFmin	LASmin	LAF,Perc2	LAF,Perc3	LAF,Perc4	LAF,Perc5	LAF,Perc6	LAF,Perc7	LAF,Perc8	
NOR139_7984499_250226_0001.NBF	(2025/02/26 11:23:03.00)	(0:0:32.0)	Music	N/A	63.9	72.7	69.1	42.9	46.8	70.8	68.8	67.8	62.6	44.4	43.7	43.3	
NOR139_7984499_250226_0002.NBF	(2025/02/26 11:24:01.00)	(0:0:17.0)	PA	N/A	59.3	69.7	64	42	49.1	68.3	65.3	63.2	56.4	44.1	42.9	42.2	
NOR139_7984499_250226_0003.NBF	(2025/02/26 11:24:48.00)	(0:0:12.0)	Horn	N/A	67.5	74.5	70.4	43.1	46.4	73.6	72.3	71.5	65	46.3	44.4	43.5	
NOR139_7984499_250226_0004.NBF	(2025/02/26 12:47:34.00)	(0:0:10.0)		N/A	72.8	81.8	77.5	50.9	61.5	80	79	78.2	65.7	53.2	52.2	51.6	
NOR139_7984499_250226_0005.NBF	(2025/02/26 12:49:01.00)	(0:0:58.0)		N/A	61.3	81.8	75.8	46.4	48.5	74.6	61.9	59	52.6	48.9	48.3	47.4	
NOR139_7984499_250226_0006.NBF	(2025/02/26 12:50:01.00)	(0:4:58.0)		N/A	69.8	85.4	83.2	47.1	49.9	81.7	77.2	73.7	57.6	51.6	50.4	48.7	
NOR139_7984499_250226_0007.NBF	(2025/02/26 12:55:01.00)	(0:4:58.0)	Lineups	N/A	77.2	88.9	85.1	39.9	43.9	85.6	83.6	82.1	72.6	58.8	50.6	43.1	
NOR139_7984499_250226_0008.NBF	(2025/02/26 13:00:01.00)	(0:4:58.0)	Anthems	N/A	70	88.1	84.9	45.4	49.8	81.4	75	72.6	64.5	53.6	51.4	48.6	
NOR139_7984499_250226_0009.NBF	(2025/02/26 13:05:01.00)	(0:4:58.0)		N/A	74.2	88.1	84.7	47.5	58.4	85	81.3	78.2	68.6	59.7	57.4	53.6	
NOR139_7984499_250226_0010.NBF	(2025/02/26 13:10:02.00)	(0:4:57.0)		N/A	72.4	84.3	80.9	47.3	57.3	80.8	78.3	76.8	68.7	60.6	58.6	53.5	
NOR139_7984499_250226_0011.NBF	(2025/02/26 13:15:01.00)	(0:4:58.0)		N/A	71.5	87.3	83.6	41.8	43.4	82.7	77.7	75.5	64.8	46.1	45	43.6	
NOR139_7984499_250226_0012.NBF	(2025/02/26 13:20:02.00)	(0:4:57.0)		N/A	71.6	84.9	82.3	45.1	47.9	82.7	78.5	75.6	64.9	53.5	49.5	46.8	
NOR139_7984499_250226_0013.NBF	(2025/02/26 13:25:01.00)	(0:4:58.0)		N/A	73.7	88.6	86.1	49.1	54.5	84.7	80.5	77.4	68.3	59.7	57.6	52.9	
NOR139_7984499_250226_0014.NBF	(2025/02/26 13:30:02.00)	(0:4:57.0)		N/A	70.3	84.8	82.6	45.4	47.2	81.2	76.3	74.2	64.5	50.2	48.7	46.9	
NOR139_7984499_250226_0015.NBF	(2025/02/26 13:35:02.00)	(0:4:57.0)	End Q1	N/A	73.7	87.9	85.6	50.8	58.3	85.3	80.9	77.3	67.1	59.9	57.8	54.3	
NOR139_7984499_250226_0016.NBF	(2025/02/26 13:40:01.00)	(0:4:58.0)		N/A	70.5	81.9	78	44.1	52.8	79	76.5	74.6	67.1	57	54.7	50.2	
NOR139_7984499_250226_0017.NBF	(2025/02/26 13:45:01.00)	(0:4:58.0)		N/A	71.2	84.3	81.5	42	45.9	80.5	77.6	75.4	66.4	53.5	50.8	44.1	
NOR139_7984499_250226_0018.NBF	(2025/02/26 13:50:01.00)	(0:4:58.0)		N/A	73.1	88.9	86	48.7	55.2	84.9	79.8	76	66.1	56.6	54.5	51.6	
NOR139_7984499_250226_0019.NBF	(2025/02/26 13:55:01.00)	(0:4:58.0)		N/A	68.9	85.7	82.4	41.9	44.3	81.2	76	72.9	53.9	45.4	44.6	43.6	
NOR139_7984499_250226_0020.NBF	(2025/02/26 14:00:02.00)	(0:4:57.0)	End Q2	N/A	49.7	63.8	57.3	41	42.7	58.6	54.3	52.3	47.6	44.4	43.6	42.5	
NOR139_7984499_250226_0021.NBF	(2025/02/26 14:05:02.00)	(0:4:57.0)		N/A	72.4	87.7	85.5	43.7	46.9	85.2	79.8	74.5	62.8	50.8	49.1	47.1	
NOR139_7984499_250226_0022.NBF	(2025/02/26 14:10:02.00)	(0:4:57.0)		N/A	73.3	88.6	85.9	42.1	44.2	85.3	80.9	76.4	64.5	46.1	44.6	43.5	
NOR139_7984499_250226_0023.NBF	(2025/02/26 14:15:02.00)	(0:4:57.0)		N/A	71	85.7	83.2	43.8	46.9	80.7	76.7	74.9	66	54	50.1	46	
NOR139_7984499_250226_0024.NBF	(2025/02/26 14:20:02.00)	(0:4:57.0)		N/A	72.8	87.2	84.4	44.3	47	83.6	80.3	76.6	66.2	55.7	52.8	46.2	
NOR139_7984499_250226_0025.NBF	(2025/02/26 14:25:02.00)	(0:4:57.0)		N/A	72.9	86.9	84.8	47.9	58.2	83.8	79.9	75.7	68	59.7	57.5	52.7	
NOR139_7984499_250226_0026.NBF	(2025/02/26 14:30:01.00)	(0:4:58.0)		N/A	71.8	87.4	84.3	42.5	44.3	81.7	78.1	76.4	65.3	49.8	45.4	43.6	
NOR139_7984499_250226_0027.NBF	(2025/02/26 14:35:02.00)	(0:4:57.0)	End Q3	N/A	71.7	88.3	84.8	44	50.5	82.1	77.9	75.8	66.5	57.3	53.4	48.2	
NOR139_7984499_250226_0028.NBF	(2025/02/26 14:40:02.00)	(0:4:57.0)		N/A	75.9	92.1	88.8	42.5	45.3	86.3	83.5	80.8	67.1	52.4	47.2	44.9	
NOR139_7984499_250226_0029.NBF	(2025/02/26 14:45:02.00)	(0:4:57.0)		N/A	72	89.7	84.9	41.6	43.2	83.1	79.6	75.4	64.1	45.3	44.1	42.9	
NOR139_7984499_250226_0030.NBF	(2025/02/26 14:50:02.00)	(0:4:57.0)		N/A	68.5	82.4	80.5	46.6	55.7	77.3	74	72.1	65.4	57.3	55	50.9	
NOR139_7984499_250226_0031.NBF	(2025/02/26 14:55:02.00)	(0:4:57.0)		N/A	70.9	83.5	80.9	47.2	55.5	79.7	76.5	74.5	68	59.2	56.5	52.4	
NOR139_7984499_250226_0032.NBF	(2025/02/26 15:00:02.00)	(0:4:57.0)	End Q4	N/A	65.4	85.2	80.8	42.5	44.6	79.2	72.3	63.2	51.8	46.5	45.5	44.1	
NOR139_7984499_250226_0033.NBF	(2025/02/26 15:05:02.00)	(0:4:57.0)		N/A	63	80.5	78.3	40.8	42.6	75	69.2	66.1	52.5	44.8	43.8	42.2	
NOR139_7984499_250226_0034.NBF	(2025/02/26 15:10:02.00)	(0:4:57.0)		N/A	56	74.6	68.4	42.9	45.9	68.3	61.3	58	50.8	46.4	45.8	44.8	
NOR139_7984499_250226_0035.NBF	(2025/02/26 15:15:02.00)	(0:4:57.0)		N/A	52	68.5	64.9	41.2	42.5	62.9	57.9	55.3	47.1	43.8	43.2	42.2	
NOR139_7984499_250226_0036.NBF	(2025/02/26 15:20:02.00)	(0:4:6.0)		N/A	52	69.9	64.1	40.8	41.8	64.6	57.9	54.3	45	42.5	42.2	41.7	
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