



**Southeast Scientific**  
770.426.6678

Customer	Emory - HSRB	
Address	1760 Haygood Drive	
City, State, Zip	Atlanta, GA, 30322	
Ph	404-727-6515	Contact Kira Moresco
	1 <sup>st</sup> PM <input checked="" type="checkbox"/>	2 <sup>nd</sup> PM <input type="checkbox"/>

### Unit Preventative Maintenance – ULT Freezer

Date of Service: 12/4/24 Next Service Due: 6/4/25 Room # Freezer Farm  
 Model # MDF-U74VC Serial # 10070648 Mfgr SANYO  
 SES # 5431 Customer # DARK PHOENIX Tech CD  
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleaned Pre-Filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CFM Counter	<u>1.7</u>		
CFM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature					
Setpoint	<u>-80C</u>	Display	<u>-78C</u>	NIST	<u>-78.4C</u>
Chart	<u>NA</u>	Adjust	<u>NA</u>		

#### High Stage Compressor

<u>218</u>	Voltage
<u>2.4</u>	Amperage
<u>NA</u>	Heat Exchanger In
<u>-39.1C</u>	Heat Exchanger Out
<u>NA</u>	RPMs
<input type="checkbox"/>	Inverter Normal
<input type="checkbox"/>	Inverter Error
<input checked="" type="checkbox"/>	Inverter N/A

#### Low Stage Compressor

<u>218</u>	Voltage
<u>2.3</u>	Amperage
<u>-89.2C</u>	Evaporator In
<u>-57.4C</u>	Evaporator Out
<u>NA</u>	RPMs
<input type="checkbox"/>	Inverter Normal
<input type="checkbox"/>	Inverter Error
<input checked="" type="checkbox"/>	Inverter N/A

#### CO2 /LN2 Back-Up

<u>NA</u>	Setpoint
	<b>Pass Fail</b>
Leak Check	<input type="checkbox"/> <input type="checkbox"/>
Test	<input type="checkbox"/> <input type="checkbox"/>

<u>5.7</u>	<b>Amps Rated</b>	<u>220</u>	<b>Volts Rated</b>	<u>-70C</u>	<b>High Alarm Set</b>
<u>5.2</u>	<b>Unit Total Amps</b>	<u>10.3</u>	<b>Battery Charge Circuit</b>	<u>-90C</u>	<b>Low Alarm Set</b>

Technician's Notes:

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	1 <sup>st</sup> PM <input checked="" type="checkbox"/> 2 <sup>nd</sup> PM <input type="checkbox"/>

### Unit Preventative Maintenance – ULT Freezer

Date of Service: 12/3/24    Next Service Due: 6/3/25    Room # FREEZER FARM  
 Model # UXF70086D    Serial # 0132967401140625    Mfgr THERMO  
 SES # 6711    Customer # CYCLOPS    Tech CD  
 NIST Meter Serial # T-281182    NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleaned Pre-Filter	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CFM Counter	<u>NA</u>		
CFM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature					
Setpoint	<u>-80C</u>	Display	<u>-79C</u>	NIST	<u>-79.2C</u>
Chart	<u>NA</u>	Adjust	<u>NA</u>		

#### High Stage Compressor

<u>202</u>	Voltage
<u>3.7</u>	Amperage
<u>-40.3C</u>	Heat Exchanger In
<u>-41.0C</u>	Heat Exchanger Out
<u>NA</u>	RPMs
<input type="checkbox"/>	Inverter Normal
<input type="checkbox"/>	Inverter Error
<input checked="" type="checkbox"/>	Inverter N/A

#### Low Stage Compressor

<u>202</u>	Voltage
<u>2.3</u>	Amperage
<u>-90.4C</u>	Evaporator In
<u>-80.4C</u>	Evaporator Out
<u>NA</u>	RPMs
<input type="checkbox"/>	Inverter Normal
<input type="checkbox"/>	Inverter Error
<input checked="" type="checkbox"/>	Inverter N/A

#### CO2 /LN2 Back-Up

<u>NA</u>	Setpoint
	<b>Pass Fail</b>
Leak Check	<input type="checkbox"/> <input type="checkbox"/>
Test	<input type="checkbox"/> <input type="checkbox"/>

<u>9</u>	<b>Amps Rated</b>	<u>208/230</u>	<b>Volts Rated</b>	<u>-60C</u>	<b>High Alarm Set</b>
<u>6.5</u>	<b>Unit Total Amps</b>	<u>13.5</u>	<b>Battery Charge Circuit</b>	<u>-90C</u>	<b>Low Alarm Set</b>

Technician's Notes:

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	1 <sup>st</sup> PM <input checked="" type="checkbox"/> 2 <sup>nd</sup> PM <input type="checkbox"/>

### Unit Preventative Maintenance – ULT Freezer

Date of Service: 12/4/24    Next Service Due: 6/4/25    Room # Freezer Farm  
 Model # MDF-C2156VANC    Serial # 10060046    Mfg SANYO  
 SES # 6781    Customer # DEADPOOL    Tech CD  
 NIST Meter Serial # T-281182    NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleaned Pre-Filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PEP Heater	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CFM Counter	<u>475</u>		
CFM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature					
Setpoint	<u>-150C</u>	Display	<u>-149C</u>	NIST	<u>-149.9C</u>
Chart	<u>NA</u>	Adjust	<u>NA</u>		

#### High Stage Compressor

<u>220</u>	Voltage
<u>2.5</u>	Amperage
<u>NA</u>	Heat Exchanger In
<u>-36.3C</u>	Heat Exchanger Out
<u>NA</u>	RPMs
<input type="checkbox"/>	Inverter Normal
<input type="checkbox"/>	Inverter Error
<input checked="" type="checkbox"/>	Inverter N/A

#### Low Stage Compressor

<u>220</u>	Voltage
<u>2.1</u>	Amperage
<u>NA</u>	Evaporator In
<u>-146.4C</u>	Evaporator Out
<u>NA</u>	RPMs
<input type="checkbox"/>	Inverter Normal
<input type="checkbox"/>	Inverter Error
<input checked="" type="checkbox"/>	Inverter N/A

#### CO2 /LN2 Back-Up

<u>NA</u>	Setpoint
Pass Fail	
Leak Check	<input type="checkbox"/> <input type="checkbox"/>
Test	<input type="checkbox"/> <input type="checkbox"/>

<u>8</u>	Amps Rated	<u>220</u>	Volts Rated	<u>-140C</u>	High Alarm Set
<u>5.1</u>	Unit Total Amps	<u>27.4</u>	Battery Charge Circuit	<u>-160C</u>	Low Alarm Set

**Technician's Notes:**  
 HX 1: -52.8C    HX 2: -86.2C    HX 3: -116.3C



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	1st PM <input type="checkbox"/> 2nd PM <input checked="" type="checkbox"/>

### Unit Preventative Maintenance – ULT Freezer

Date of Service: 1/17/25 Next Service Due: 7/17/25 Room # E-397  
 Model # TSU500A Serial # 0160028001160830 Mfgr Thermo  
 SES # 6929 Customer # \_\_\_\_\_ Tech JN  
 NIST Meter Serial # T-150650 NIST Meter Calibration Due 9/15/25

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleaned Pre-Filter	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	CFM Counter	<u>N/A</u>		
CFM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Insulation Lines	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				

Temperature					
Setpoint	<u>-80C</u>	Display	<u>-77C</u>	NIST	<u>-76.7C</u>
Chart	<u>N/A</u>	Adjust	<u>N/A</u>		

#### High Stage Compressor

<u>116.9</u>	Voltage
<u>7.8</u>	Amperage
<u>-38.2C</u>	Heat Exchanger In
<u>-39.8C</u>	Heat Exchanger Out
<u>N/A</u>	RPMs
<input type="checkbox"/>	Inverter Normal
<input type="checkbox"/>	Inverter Error
<input checked="" type="checkbox"/>	Inverter N/A

#### Low Stage Compressor

<u>116.9</u>	Voltage
<u>5.1</u>	Amperage
<u>-93.5C</u>	Evaporator In
<u>-76.7C</u>	Evaporator Out
<u>N/A</u>	RPMs
<input type="checkbox"/>	Inverter Normal
<input type="checkbox"/>	Inverter Error
<input checked="" type="checkbox"/>	Inverter N/A

#### CO2 /LN2 Back-Up

<u>N/A</u>	Setpoint
	<b>Pass Fail</b>
Leak Check	<input type="checkbox"/> <input type="checkbox"/>
Test	<input type="checkbox"/> <input type="checkbox"/>

<u>16</u>	<b>Amps Rated</b>	<u>115</u>	<b>Volts Rated</b>	<u>-40C</u>	<b>High Alarm Set</b>
<u>13.7</u>	<b>Unit Total Amps</b>	<u>13.5</u>	<b>Battery Charge Circuit</b>	<u>-99C</u>	<b>Low Alarm Set</b>

**Technician's Notes:**

Low stage suction needs re-insulated  
Unit alarming "unable to reach set-point"



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	1 <sup>st</sup> PM <input checked="" type="checkbox"/> 2 <sup>nd</sup> PM <input type="checkbox"/>

### Unit Preventative Maintenance – Stirling ULT

Date of Service: 12/12/24    Next Service Due: 6/12/25    Room # Freezer Farm  
 Model # SU780XLE    Serial # 21080-16464    Mfrg STIRLING  
 SES # 10851    Customer # DAVID ROSE    Tech CD  
 NIST Meter Serial # T-281182    NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Hinges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Engine Fans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature					
Setpoint	<u>-80C</u>	Display	<u>-80C</u>	NIST	<u>-79.2C</u>
Chart	<u>NA</u>	Adjust	<u>NA</u>		

Engine Compressor	
<u>105.6</u>	Voltage
<u>3.2</u>	Amperage
<u>-94C</u>	Cold Head
<u>38C</u>	Warm Head
<u>254</u>	Watts

CO2 /LN2 Back-Up		
<u>NA</u>	Setpoint	
	<b>Pass</b>	<b>Fail</b>
Leak Check	<input type="checkbox"/>	<input type="checkbox"/>
Test	<input type="checkbox"/>	<input type="checkbox"/>

5-10    **Amps Rated**                      120-240    **Volts Rated**                      -75C    **High Alarm Set**  
3.7    **Unit Total Amps**                      6.2    **Battery Charge Circuit**                      -100C    **Low Alarm Set**

Technician's Notes:

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Contact	Kira Moresco
	1 <sup>st</sup> PM <input checked="" type="checkbox"/> 2 <sup>nd</sup> PM <input type="checkbox"/>

### Unit Preventative Maintenance – Stirling ULT

Date of Service: 12/12/24    Next Service Due: 6/12/25    Room # Freezer Farm  
 Model # SU780XLE    Serial # 21080-16462    Mfgr STIRLING  
 SES # 10852    Customer # JOHNNY ROSE    Tech CD  
 NIST Meter Serial # T-281182    NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Hinges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Engine Fans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature					
Setpoint	<u>-80C</u>	Display	<u>-78C</u>	NIST	<u>-78.1C</u>
Chart	<u>NA</u>	Adjust	<u>NA</u>		

Engine Compressor	
<u>112.1</u>	Voltage
<u>3.2</u>	Amperage
<u>-96C</u>	Cold Head
<u>44C</u>	Warm Head
<u>264</u>	Watts

CO2 /LN2 Back-Up		
<u>NA</u>	Setpoint	
	<b>Pass</b>	<b>Fail</b>
Leak Check	<input type="checkbox"/>	<input type="checkbox"/>
Test	<input type="checkbox"/>	<input type="checkbox"/>

<u>5-10</u>	<b>Amps Rated</b>	<u>120-240</u>	<b>Volts Rated</b>	<u>-75C</u>	<b>High Alarm Set</b>
<u>3.7</u>	<b>Unit Total Amps</b>	<u>6.3</u>	<b>Battery Charge Circuit</b>	<u>-100C</u>	<b>Low Alarm Set</b>

Technician's Notes:

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	1 <sup>st</sup> PM <input checked="" type="checkbox"/> 2 <sup>nd</sup> PM <input type="checkbox"/>

### Unit Preventative Maintenance – ULT Twin Guard

Date of Service: 12/4/24 Next Service Due: 6/4/25 Room # Freezer Farm  
 Model # MDF-DU702VXC-PA Serial # 19120503 Mfgr PHCBI  
 SES # 10853 Customer # STORM Tech CD  
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

New				Pass				Counter			
Pass	Fail	N/A		Pass	Fail	N/A		Pass	Fail	N/A	
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Pre-Filter	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pep Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Battery	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CFM(s) <u>1430</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Alarm Test	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wiring Connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

#### Temperature

Setpoint -80C Display -79C NIST -78.7C Chart Recorder NA Adjust NA

#### System A Compressor

<u>220</u> Voltage	<u>-99.4C</u> LEVA In
<u>3.8</u> Amperage	<u>-79.0C</u> LEVA Out

#### System B Compressor

<u>220</u> Voltage	<u>-98.8C</u> LEVA In
<u>3.5</u> Amperage	<u>-78.2C</u> LEVA Out

Unit Total Amperage 7.8 Volts Rated 220 High Alarm Set -70C  
 Amps Rated 7.7 Battery Circuit Charge 6.6 Low Alarm Set -90C

#### CO2 Back-up System

Leak Check    Pass Fail N/A  
 Set Point NA Test NA

#### Technician's Notes:

HX 1ST: -65.1C HX 2ND: -63.8C UNIT HAS AN OPEN AIR CONDENSER - NO FILTER MATERIAL



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	1 <sup>st</sup> PM <input checked="" type="checkbox"/> 2 <sup>nd</sup> PM <input type="checkbox"/>

**Unit Preventative Maintenance – ULT Twin Guard**

Date of Service: 12/4/24    Next Service Due: 6/4/25    Room # Freezer Farm  
 Model # MDF-DU702VXC-PA    Serial # 20050171    Mfrgr PHCBI  
 SES # 11054    Customer # WOLVERINE    Tech CD  
 NIST Meter Serial # T-281182    NIST Meter Calibration Due 6/26/26

	New	Pass	Fail	N/A		Pass	Fail	N/A		Counter	Pass	Fail	N/A
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Pre-Filter	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pep Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Battery	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CFM(s) <u>1588</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Alarm Test	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wiring Connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Temperature**

Setpoint -80C    Display -79C    NIST -79.2C    Chart Recorder NA    Adjust NA

**System A Compressor**

220 Voltage    -100.3C LEVA In  
3.6 Amperage    -80.5C LEVA Out

**System B Compressor**

220 Voltage    -97.0C LEVA In  
2.9 Amperage    -79.8C LEVA Out

Unit Total Amperage 7    Volts Rated 220    High Alarm Set -70C  
 Amps Rated 7.7    Battery Circuit Charge 6.5    Low Alarm Set -90C

**CO2 Back-up System**

Leak Check    Pass Fail N/A    Set Point NA    Test NA

**Technician's Notes:**  
HX 1ST: -58.7C HX 2ND: -61.7C UNIT HAS AN OPEN AIR CONDENSER - NO FILTER MATERIAL





**Southeast Scientific**  
770.426.6678

Customer	Emory - HSRB	
Address	1760 Haygood Drive	
City, State, Zip	Atlanta, GA, 30322	
Ph	404-727-6515	Contact Kira Moresco
	1 <sup>st</sup> PM <input checked="" type="checkbox"/>	2 <sup>nd</sup> PM <input type="checkbox"/>

### Unit Preventative Maintenance – Stirling ULT

Date of Service: 12/19/24 Next Service Due: 6/19/25 Room # E-263  
 Model # 21110-17432 Serial # \_\_\_\_\_ Mfg# STIRLING  
 SES # 11961 Customer # CAPTAIN AMERICA Tech CD  
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Hinges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Engine Fans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

#### Temperature

Setpoint -80C Display -78C NIST -78.2C Chart NA Adjust NA

#### Engine Compressor

181.3 Voltage  
5 Amperage  
-101C Cold Head  
41C Warm Head  
517 Watts

#### CO2 /LN2 Back-Up

NA Setpoint  
**Pass Fail**  
 Leak Check    
 Test

5-10 Amps Rated      120-240 Volts Rated      -60C High Alarm Set  
5.3 Unit Total Amps      6.2 Battery Charge Circuit      -100C Low Alarm Set

Technician's Notes:

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Customer	Emory - HSRB
Address	1760 Haygood Drive
City, State, Zip	Atlanta, GA, 30322
Ph	404-727-6515
Contact	Kira Moresco
	1 <sup>st</sup> PM <input checked="" type="checkbox"/> 2 <sup>nd</sup> PM <input type="checkbox"/>

### Unit Preventative Maintenance – Stirling ULT

Date of Service: 12/19/24    Next Service Due: 6/19/25    Room # E-263  
 Model # SU780XLE    Serial # 21110-17450    Mfgr STIRLING  
 SES # 11962    Customer # CAPTAIN MARVEL    Tech CD  
 NIST Meter Serial # T-281182    NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Hinges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Engine Fans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature					
Setpoint	<u>-80C</u>	Display	<u>-80C</u>	NIST	<u>-78.8C</u>
Chart	<u>NA</u>	Adjust	<u>NA</u>		

Engine Compressor	
<u>109.9</u>	Voltage
<u>3.3</u>	Amperage
<u>-94C</u>	Cold Head
<u>34C</u>	Warm Head
<u>280</u>	Watts

CO2 /LN2 Back-Up		
<u>NA</u>	Setpoint	
	<b>Pass</b>	<b>Fail</b>
Leak Check	<input type="checkbox"/>	<input type="checkbox"/>
Test	<input type="checkbox"/>	<input type="checkbox"/>

5-10    **Amps Rated**    120-240    **Volts Rated**    -75C    **High Alarm Set**  
4    **Unit Total Amps**    6.25    **Battery Charge Circuit**    -100C    **Low Alarm Set**

Technician's Notes:

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