



DSES MEMO #2 - 11/09/2020
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System 1 Startup Shutdown Check List

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System 1 Startup (Automatic) (Version 1.3 05/23/24)

Check When Completed	Task
<input type="checkbox"/>	Before starting up the system ensure the Mount Motor and Electronics in the Tower are turned off. Verify the Switches in the Legacy Mount Control Chassis are in the Neutral Positions.
<input type="checkbox"/>	Move Jones Plug from Legacy Mount Control Chassis to System 1 Shelf (Back of Shelf)
<input type="checkbox"/>	Power Up Mount Motor and Electronics in Tower – Switch Located In Bottom of Tower
<input type="checkbox"/>	Plug in the USB Hub, located on System 1 Shelf, to the power strip (Back of Shelf)
<input type="checkbox"/>	Power up the Raspberry PI located in the Mount Control Shelf
<input type="checkbox"/>	Verify Time Machine is Powered Up and Sync'd (NTP Time Source) ---- POW – Green, LOCK – Illuminated Yellow, SEC is blinking Yellow once a second.
<input type="checkbox"/>	Boot Operator Console Laptop and Login to the System (Password: Deadzone01) Bring up Terminal Window (Click on Terminal Icon on Bottom Lower Left of Screen)
<input type="checkbox"/>	Verify Time Sync on Operator Console: issue command: <code>ntpq -p <enter></code> Verify that <i>timemachine</i> has a (192.168.1.239) listed entry which is populated (not all zeroes)
<input type="checkbox"/>	Issue a Date Command to verify the Operator Console Time: <code>date <enter></code>
<input type="checkbox"/>	SSH into the Raspberry PI (12-bit) to verify Time Sync: <code>ssh haswell@dcs <enter></code> , password: Haswell\$01 <enter> -OR-
<input type="checkbox"/>	SSH into the Raspberry PI (16-bit) to verify Time Sync: <code>ssh haswell@dcsV9 <enter></code> , password: Haswell\$01 <enter>
<input type="checkbox"/>	Verify Time Sync on Operator Console: issue command: <code>ntpq -p <enter></code> Verify that <i>timemachine</i> has a (192.168.1.239) listed entry which is populated (not all zeroes).
<input type="checkbox"/>	Issue a Date Command to verify the Raspberry Pi Time: <code>date <enter></code>
<input type="checkbox"/>	Issue Exit Command to Logout of the Raspberry Pi: <code>exit <enter></code>
<input type="checkbox"/>	Toggle on the VFD Switch located on the Front Panel of the System 1 Shelf
<input type="checkbox"/>	Start the System 1 Software by Double Clicking on the “Operator Console Automatic” icon for the Legacy 12-bit system or the “16bit System Auto” icon for the new 16 bit encoder system
<input type="checkbox"/>	Operate the System

System 1 Startup (Manual)

(Version 1.3 05/23/24)

Check When Completed	Task
<input type="checkbox"/>	Before starting up the system ensure the Mount Motor and Electronics in the Tower are turned off. Verify the Switches in the Legacy Mount Control Chassis are in the Neutral Positions.
<input type="checkbox"/>	Ensure the Jones Plug is plugged into the Legacy Mount Control Chassis
<input type="checkbox"/>	Power Up Mount Motor and Electronics in Tower – Switch Located In Bottom of Tower
<input type="checkbox"/>	Verify Time Machine is Powered Up and Sync'd (NTP Time Source) ---- POW – Green, LOCK – Illuminated Yellow, SEC is blinking Yellow once a second.
<input type="checkbox"/>	Power up the Raspberry PI located in the Mount Control Shelf
<input type="checkbox"/>	Boot Operator Console Laptop and Login to the System (Password: Deadzone01) Bring up Terminal Window (Click on Terminal Icon on Bottom Lower Left of Screen)
<input type="checkbox"/>	Verify Time Sync on Operator Console: issue command: <code>ntpq -p <enter></code> Verify that <i>timemachine</i> has a (192.168.1.239) listed entry which is populated (not all zeroes)
<input type="checkbox"/>	Issue a Date Command to verify the Operator Console Time: <code>date <enter></code>
<input type="checkbox"/>	SSH into the Raspberry PI to verify Time Sync: <code>ssh haswell@dcs <enter></code> , password: Haswell\$01 <enter> -OR-
<input type="checkbox"/>	SSH into the Raspberry PI (16-bit) to verify Time Sync: <code>ssh haswell@dcsV9 <enter></code> , password: Haswell\$01 <enter>
<input type="checkbox"/>	Verify Time Sync on Operator Console: issue command: <code>ntpq -p <enter></code> Verify that <i>timemachine</i> has a (192.168.1.239) listed entry which is populated (not all zeroes).
<input type="checkbox"/>	Issue a Date Command to verify the Raspberry Pi Time: <code>date <enter></code>
<input type="checkbox"/>	Issue Exit Command to Logout of the Raspberry Pi: <code>exit <enter></code>
<input type="checkbox"/>	Toggle on the Legacy Mount Control Chassis
<input type="checkbox"/>	Start the System 1 Software by Double Clicking on the “Operator Console Manual” icon for the Legacy 12-bit system or the “16bit System Manual” icon for the new 16 bit encoder system
<input type="checkbox"/>	
<input type="checkbox"/>	Operate the System

