SCaN Testbed AutoTrack, State Vector Derived Information
The 3 black arrows point to expected values for harmonic components of SCaN Testbed’s AutoTrack Mode. Note here that the spectral peak measured by SAMS in the JEM at about 0.26 Hz is primarily due to structural mode vibrations.
The 3 black arrows point to expected values for harmonic components of SCaN Testbed's AutoTrack Mode. Note here again, that the spectral peak measured by SAMS in the JEM at about 0.26 Hz is primarily due to structural mode vibrations.
Page 1 - Calls out the harmonic components from SCaN Testbed's AutoTrack, notably spectral peaks at 0.125 Hz, 0.25 Hz, and 0.375 Hz.

Page 2 - Shows acceleration spectrum calculated from 8 minutes of SAMS measurements DURING SCaN Testbed's AutoTrack. While there is a spectral peak at 0.26 Hz (near the 0.25 Hz signature peak), the other 2 components are more-or-less indiscernible. This suggests that these vibrations do not transmit well to the SAMS sensor location.

Page 3 - Shows acceleration spectrum calculated from 8 minutes of SAMS measurements BEFORE SCaN Testbed's AutoTrack. This page reinforces the assertions above. The SAMS sensor does not readily detect this type of SCaN Testbed AutoTrack activity.