Vozdukh (SKV) Air Conditioner GMT 2018/246 (Monday, Sept. 3, 2018)

At GMT 246/09:05, the Vozdukh experienced an uncommanded deactivation associated with annunciation of Advisory Event Code 650 SM Vozdukh System Failure-RS. The crew reactivated Vozdukh successfully in Mode 4 a short time later. Per MSG, the issue was caused by valve 5BK2.

Overview

- Page 1 Previous cover page.
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Page 3 – A 2-hour spectrogram that track SKV(s) signature near 24 Hz from SAMS sensor on Cold Atom Lab.

Page 4 – RMS acceleration vs. time for SAMS sensor on Cold Atom Lab – no distinctive or sudden drop in RMS acceleration within a narrow band around the SKV frequency.

Page 5 – RMS acceleration vs. time for another SAMS sensor in US Lab – again, no distinctive or sudden changes despite reports of uncommanded deactivation.



500.0000 sa/sec (200.00 Hz)





SAMS2, 121f04, LAB1P2, ER7, Cold Atom Lab Front Panel, 200.0 Hz (500.0 s/sec)

