

Procedure Name	Description	Time to Run (in hours:minutes)	Condition for this test	Necessary Personnel	approx date	Procedure status
mu_comm.prc	Verifies telemetry and tests basic command functionality	0:30		ops, scientist, systems engineer - Gregg Allison and Neil White (@ SOC)[TBR]	L+7	Tested 1.8 with flight EVE (Comm test #3).
eop_htr_comm.prc	Verifies the functionality of the EVE Optics Package (EOP) operational heater. The EOP operational heater will remain on to warm EVE up.	0:15	Would like to run immediately following mu_comm.prc to begin warming up instrument. <b>EEB at 22C BEFORE running following procedures</b>	ops, scientist, systems engineer - Bret Lamprecht (@ SOC)[TBR]	L+7	Tested 1.5 with flight EVE (Comm test #3).
auton_comm.prc	Verifies EVE autonomy rules (enables EVE survival heaters if CCDs go below a set point or will not turn on MEGS if the CCDs go above a set point).	0:15		ops, scientist, systems engineer - Gregg Allison (@ SOC)[TBR]	L+10	Tested 1.6 with flight EVE (Comm test #3).
diag_comm.prc	Verifies EVE diagnostic packet functionality and filter wheel functionality.	0:15	<b>***NOTE, EVE needs the diagnostic channel during this test</b>	ops, scientist, systems engineer - Gregg Allison (@ SOC)[TBR]	L+10	Tested 1.6 with flight EVE (Comm test #3).
inc_comm.prc	verifies EVE response to Instrument Notification Commands (INCs).	0:30	<b>***NOTE, following this procedure, the MOC can enable EVE INCs</b>	ops, scientist, systems engineer - Gregg Allison (@ SOC)[TBR]	L+10	Tested 1.8 with flight EVE (Comm test #3).
eve_hsb_comm.prc	Verifies the EVE High Speed Bus (HSB) ports and that the EVE SOC can receive science data.	(Dependant on S/C)		ops, scientist, systems engineer. - science data processing (@SOC)	L+25	Tested 1.4 with flight EVE (Comm test #3).
cmpnt_comm.prc	Turns on each of the EVE components	0:30	<b>***NOTE, EVE needs the diagnostic channel during this test</b>	ops, scientist, systems engineer. - science data processing (@SOC)	L+26	Tested 1.6 with flight EVE (Comm test #3).
eve_esp_comm.prc	Tests ESP functionality	0:30		ops, scientist, systems engineer, usc, - science data processing (@SOC)	L+26	Tested 1.4 with flight EVE (Comm test #3).
pre_dec_comm.prc	Set EOP operational heater to flight temperature. Preparation for dec_htr_comm.prc	0:15		ops, systems engineer	L+30	Tested 1.2 with flight EVE (Comm test #3).
dec_htr_comm.prc	Disable the EVE decontamination heaters (allows the MEGS CCDs to cool).	0:15	<b>***NOTE, S/C powers off EVE decontamination heaters during this procedure *May not run until at least 30 days after launch</b>	ops, scientist, systems engineer [TBR]	L+31	Tested 1.5 with flight EVE (Comm test #3).
megs_op_htr_comm.prc	Verifies MEGS operational heater functionality (can only be run once the CCDs are cold)	0:15	<b>CCDs must be cold for remaining tests</b>	ops, scientist, systems engineer [TBR]	L+33	Tested 1.4 with flight EVE (Comm test #3).

eve_megsa_comm.prc	Tests MEGS A functionality	0:45		ops, scientist, systems engineer. - science data processing and Neil White (@SOC)	L+33	Tested 1.6 with flight EVE (Comm test #3).
eve_megsb_comm.prc	Tests MEGS B functionality	0:45		ops, scientist, systems engineer. - science data processing and Neil White (@SOC)	L+33	Tested 1.6 with flight EVE (Comm test #3).
door_comm.prc	Opens all 4 aperature doors.	1:00	<b>*NOTE, during this procedure, EVE would like exclusive use of the command link - also, depending on the S/C voltage, this procedure may take longer (at lower voltage). *EVE needs the diagnostic channel during this test</b>	ops, scientist, systems engineer. - science data processing (@SOC)	L+33	Tested 1.2 with ETU
eve_sci_comm.prc	Tests flight operations experiments	0:30		ops, scientist, systems engineer. - science data processing (@SOC)	L+33	Tested 1.5 with flight EVE (Comm test #3).
soc_comm.prc	Test with EVE SOC - verify commanding	0:30		Heather Buck @ SOC	L+33	Tested 1.2 with flight EVE (Comm test #3).
flight_config.prc	changes the POR configuration for flight operations (decontamination heaters off, default science timer set to 45 minutes)	0:30		ops, scientist, systems engineer [TBR]	L+35	In development

**CALIBRATION PROCEDURES**

load_ps_ats.prc (or load_rts.prc)	Find filter edges. This procedure will load RTSs (or ATs). <b>***NOTE, this procedure will need to be run 4 times (for each of the filter wheels).</b>	0:15				
load_ps_ats.prc (or load_rts.prc)	Run the LEDs to establish an in-flight baseline. This procedure will load RTSs (or ATs)	0:15				
load_ps_ats.prc (or load_rts.prc)	Establish in-flight baseline for the filters. <b>***NOTE, this procedure will need to be run 4 times (for each of the filter wheels).</b>	0:15				

**Commissioning personnel by group**

GROUP	EVE Personnel
ops	Karen Bryant, Gail Tate
scientists	Tom Woods, Frank Eparvier, Phil Chamberlin, Andrew Jones
systems engineers	Rick Kohnert, Greg Ucker
science data processors (@ EVE SOC)	Don Woodraska, Brian Templeman, Chris Jeppesen
USC	Leonid Didkovsky, Seth Weiman
Additional personnel available at EVE SOC	Heather Buck, Neil White, Gregg Allison, Bret Lamprecht, Heather Passe, Mike Anfinson