

RS EVA-35 TIMELINE

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- Removal of BTLS-N H/W (External Onboard Laser Comm Terminal) of [СЛС] space experiment from URM-D on PI. IV of SM [PO_{lg,dia.}]
- Installation of VRM Station (EVA Work Station) with preinstalled DPN Platform (Biaxial Pointing Platform) on URM-D PI. IV of SM [PO_{lg,dia.}]
- Removal of “YAKOR” FR from ПxO and its installation on VRM station
- Performance of “TEST” space experiment in the area of EV hatch 2 of MRM2
- Taking photos of MLI of RS ISS (provided there is enough time)

##	EV	Task description	Task execution time (min)	Time GMT	RGS
Orbital night			11:09 ÷ 11:45		
1	EV2	Open EV hatch 1. 11:40	:06	11:46	
2	EV1, EV2	Install protective ring.	:04	11:50	
3	EV2	Egress DC-1 egress, translate onto EVA ladder.	:02	11:52	
4	EV1; EV2	Take VRM station with preinstalled DPN platform and BTLS-N protective covers out of DC1.	:06	11:58	
5	EV1	Egress DC-1.	:02	12:00	
Feathering SA-IV to Zone 9					
6	EV1; EV2	Transfer VRM station + DPN platform and BTLS-N protective covers to circumferential HRs between SM [PO _{sm,dia.}] and SM [PO _{lg,dia.}] (EVA ladder-HRs2313-2314-2315-2316-2317-2318-2412).	:10	12:10	
Feathering SA-IV to zone 13					
7	EV1; EV2	Transfer VRM station + DPN platform and BTLS-N protective covers to URM-D on SM PI.IV (HRs2411-2412-2442-2443).	:10	12:20	
8	EV1; EV2	Temp stow VRM station + DPN platform on circumferential HR between SM [PO _{sm,dia.}] and SM [PO _{lg,dia.}] (HRs2434, 2435).	:05	12:25	12:23
9	EV1; EV2	Open MLI flap of ФП19-I connector patch panel. Demate cnctr XФП19-4 of BTLS-N monoblock. Close cnctr XФП19-4 with a dust cap. Open MLI flap of ФП-4 connector patch panel. Demate cnctr XФП4-2 and cnctr XФП4-4.	:10	12:35	
10	EV1; EV2	Coil cable with cnctr XФП19-4, cnctr XФП4-2 and cnctr XФП4-4 around BTLS-N monoblock and wiretie it.	:12	12:47	
Orbital night 12:42 ÷ 13:17					12:47
11	EV1; EV2	Install protective covers onto BTLS-N monoblock.	:20	13:07	
12	EV1; EV2	Remove BTLS-N monoblock. Temp stow BTLS-N monoblock on circumferential HR between SM [PO _{lg,dia.}] and SM [PO _{sm,dia.}] (HRs2411-2412).	:05	13:12	
13	EV1; EV2	Install VRM station + DPN platform on URM-D on PI.IV.	:10	13:22	

14	EV1;EV2	<p>Open MLI flap of ФП19-II connector patch panel. Untie cable with mated cnctrs XФП19-9, XФП19-10, XФП19-11 and XФП19-12 from VRM station and secure connectors in identically labeled "lirka" clips of ФП19-II connector patch panel.</p> <p>Route cable 17KC 600Ю8560A-120 with cnctr XФП4-1A, cable 17KC 600Ю8560A-270 with cnctr XФП4-2, and cable 17KC 600Ю8560A-280 with cnctr XФП4-4 to ФП-4 connector patch panel.</p> <p>Open MLI flap of ФП-4 connector patch panel. Mate cnctr XФП4-2 of cable 17KC 600Ю8560A-270 with cnctr XФП4-2 of cable 17KC 10Ю8510A-130. Mate cnctr XФП4-4 of cable 17KC 600Ю8560A-280 with cnctr XФП4-4 of cable 17KC 10Ю8510A-150. Report to MCC.</p>	:25	13:47	13:56
15	EV1;EV2	<p>Take photos of ФП4 connector patch panel and MLI in the area of URM-D location. On MCC GO.</p>	:10	13:57	
16	EV1;EV2	<p>Secure cnctr XФП4-1A to ФП-4 connector patch panel where convenient. Close flap of ФП-4 connector patch panel. Open MLI flap of ФП19-I connector patch panel. Remove cnctrs XФП19-2, XФП19-4, and XФП19-5 from VRM station "lirka" clips and secure them in identically labeled "lirka" clips on ФП19-I connector patch panel. Secure cable with cnctrs XФП19-9, XФП19-10, XФП19-11, and XФП19-12 in URM-D fairleads. Secure cable with cnctrs XФП19-2, XФП19-4, XФП19-5, and XФП4-1A in URM-D fairleads. Close MLI flap on ФП19-I connector patch panel. Close MLI flap on ФП19-II connector patch panel. Perform final attachment of VRM station + DPN platform to URM-D.</p>	:20	14:17	14:16
Orbital night 14:15 ÷ 14:50 (crew rest from 14:17 through 14:30)					
17	EV1;EV2	<p>Translate to circumferential HRs between SM [PO_{sm.dia.}] and SM [PO_{lg.dia.}], stop translation (HRs2443-2442-2411-2412).</p>	05	14:35	
Feathering SA-IV to Zone 9					
18	EV1;EV2	<p>Transfer BTLS-N monoblock to EVA ladder and temp stow it there (HRs2411-2412-2318-2317-2316-2315-2314-2313-EVA ladder).</p>	:10	14:45	
19	EV1	<p>Translate to ПxO to "YAKOR" FR location (HRs2113, 2123) (HRs2443-2411-2318-2317-2315-2313-2311-2215-2216-2221-2223-2222-2124-2113-2123).</p>	:10	14:55	
	EV2	<p>Translate to EV hatch 2 of MRM2.</p>			
20	EV1	<p>Remove "YAKOR" FR. Translate with "YAKOR" FR to circumferential HRs between SM [PO_{sm.dia.}] and SM [PO_{lg.dia.}] (HRs2123-2113-2124-2222-2223-2221-2216-2215-2311-2313-2315-2317-2318-2411-2412)</p>	:20	15:15	
	EV2	<p>Take samples from EV hatch 2 of MRM2 surface using TEST-1 kit ("TEST" space experiment). Take photos MRM2 [CKK] cassette and cables installed on MRM2 during RS EVA-34. Translate to circumferential HRs between SM [PO_{sm.dia.}] and SM [PO_{lg.dia.}].</p>			

Feathering SA-IV to Zone 13					
21	EV1	Translate with "YAKOR" FR to URM-D on Pl. IV of SM (HRs2412-2411-2442-2443). Install "YAKOR" FR on VRM station.	:15	15:30	15:32
	EV2	Translate to URM-D on Pl. II of [PO _{lg,dia.}]. Install gap spanners between URM-D II and HRs2525 and 2422.			
22	EV1;EV2	Translate to circumferential HRs between SM [PO _{sm,dia.}] and SM [PO _{lg,dia.}], stop translation (HRs2443-2442-2411-2412)	:05	15:35	
Feathering SA-IV to Zone 9 and SA-II to autotrack					
23	EV1;EV2	Translate to DC1.	:15	15:50	15:50
Orbital night 15:48 ÷ 16:23					
24	EV1;EV2	Take BTLS-N monoblock and "TEST-1" kit inside DC1.	:08	15:58	
25	EV1;EV2	Translate along [PO _{sm,dia.}] – ПхО circumferential HR and perform inspection of WAL 4, 6, and 5 PCE antennas. Report to MCC.	:24	16:22	
26	EV1;EV2	Translate to SM [AO] (EVA ladder-HRs2313-2314-2315-2316-2317-2318-gap spanners-HRs2512-2542-2611-2647-2612-2646).	:17	16:39	
27	EV2	Translate onto [AO] end cone and perform inspection of WAL 2, 3, and 1 PCE antennas. Report to MCC. (HRs2645-2644-2643-2641-2634-2633-2632-2631-2626-2625-2624-2623-2616-2615-2614-2613).	:15	16:54	
28	EV1;EV2	Translate onto HRs2511 and 2512 (HRs2646-2612-2647-2611-2542-2512-2541-2511). Perform Orlans inspection. Wipe gloves with dry towels. Jettison the towels.	:10	17:04	
29	EV1;EV2	Translate to DC1 EVA ladder.	:15	17:19	
Feathering SA-IV to autotrack					
Orbital night 17:21 ÷ 17:56					
30	EV1;EV2	Perform US EVA tools and hardware inventory. Perform Orlans inspection.	:10	17:29	
31	EV1;EV2	Ingress DC1.	:03	17:32	
32	EV1,EV2	Remove protective ring.	:02	17:34	
33	EV2	Close DC1 EV hatch 1.	:03	17:35	

Estimated RS EVA-35 duration: 5 hours 55 minutes

Note:

1. EVA operations are scheduled for orbital nights. Some orbital night time is a reserve in case the crew is behind the timeline.
2. SM thrusters will be inhibited for the duration of EVA-35.

End of R/G