

HTV-7 Rendezvous Summary Timeline

Event	GMT	MCC-H	SSIPC	PET
	(DDD/HH:MM:SS)	(Day(MM/DD) HH:MM:SS)	(DDD/HH:MM:SS)	(D/HH:MM:SS)
Launch	257/20:59:14	Fri(09/14) 15:59:14	258/05:59:14	-3/14:25:46
PM1 (17.8 m/s)	258/04:29:25	Fri(09/14) 23:29:25	258/13:29:25	-3/06:55:35
M1 (0.08 m/s)	258/06:01:54	Sat(09/15) 01:01:54	258/15:01:54	-3/05:23:06
PM1' (0.13 m/s)	258/06:46:52	Sat(09/15) 01:46:52	258/15:46:52	-3/04:38:08
MD1 (0.11 m/s)	258/19:31:43	Sat(09/15) 14:31:43	259/04:31:43	-2/15:53:17
MD2 (0.08 m/s)	259/07:31:32	Sun(09/16) 02:31:32	259/16:31:32	-2/03:53:28
PCM1 (1.58 m/s)	259/12:56:36	Sun(09/16) 07:56:36	259/21:56:36	-1/22:28:24
HAM1 (22.19 m/s)	259/17:58:15	Sun(09/16) 12:58:15	260/02:58:15	-1/17:26:45
M2 (15.24 m/s)	259/19:30:00	Sun(09/16) 14:30:00	260/04:30:00	-1/15:55:00
PM2 (17.05 m/s)	259/20:15:24	Sun(09/16) 15:15:24	260/05:15:24	-1/15:09:36
MD3 (0.2 m/s)	260/10:04:52	Mon(09/17) 05:04:52	260/19:04:52	-1/01:20:08
PCM2 (0.5 m/s)	260/14:35:36	Mon(09/17) 09:35:36	260/23:35:36	-0/20:49:24
M3 (3.14 m/s)	260/17:44:03	Mon(09/17) 12:44:03	261/02:44:03	-0/17:40:57
CM1 (5.74 m/s)	260/18:27:55	Mon(09/17) 13:27:55	261/03:27:55	-0/16:57:05
CM2 (5.52 m/s)	260/19:19:10	Mon(09/17) 14:19:10	261/04:19:10	-0/16:05:50
PCM3 (0.14 m/s)	260/23:40:25	Mon(09/17) 18:40:25	261/08:40:25	-0/11:44:35
MC1 (0.57 m/s)	261/02:03:14	Mon(09/17) 21:03:14	261/11:03:14	-0/09:21:46
MC2 (0.44 m/s)	261/02:49:40	Mon(09/17) 21:49:40	261/11:49:40	-0/08:35:20
HAM0 (2.6 m/s)	261/03:34:53	Mon(09/17) 22:34:53	261/12:34:53	-0/07:50:07
CM3 (2.5 m/s)	261/04:21:15	Mon(09/17) 23:21:15	261/13:21:15	-0/07:03:45
MC3 (0.22 m/s)	261/05:08:47	Tue(09/18) 00:08:47	261/14:08:47	-0/06:16:13
Sunrise	261/05:11:46	Tue(09/18) 00:11:46	261/14:11:46	-0/06:13:14
Start of Integrated Ops	261/05:55:08	Tue(09/18) 00:55:08	261/14:55:08	-0/05:29:52
MC4 (0.2 m/s)	261/05:55:08	Tue(09/18) 00:55:08	261/14:55:08	-0/05:29:52
Sunset	261/06:16:02	Tue(09/18) 01:16:02	261/15:16:02	-0/05:08:57
Go/No-Go for HAM2	261/06:21:05	Tue(09/18) 01:21:05	261/15:21:05	-0/05:03:55
HAM2 (0.97 m/s)	261/06:41:05	Tue(09/18) 01:41:05	261/15:41:05	-0/04:43:55
Sunrise	261/06:44:31	Tue(09/18) 01:44:31	261/15:44:31	-0/04:40:28
Range = 6km	261/07:03:05	Tue(09/18) 02:03:05	261/16:03:05	-0/04:21:55
MC5 (0.07 m/s)	261/07:04:43	Tue(09/18) 02:04:43	261/16:04:43	-0/04:20:17
Go/No-Go for AI	261/07:07:51	Tue(09/18) 02:07:51	261/16:07:51	-0/04:17:09
AI (0.38 m/s)	261/07:27:51	Tue(09/18) 02:27:51	261/16:27:51	-0/03:57:09
MCF1 (0.01 m/s)	261/07:48:30	Tue(09/18) 02:48:30	261/16:48:30	-0/03:36:30
Sunset	261/07:48:49	Tue(09/18) 02:48:49	261/16:48:49	-0/03:36:10
RI' (2 m/s)	261/08:05:48	Tue(09/18) 03:05:48	261/17:05:48	-0/03:19:12
Sunrise	261/08:17:17	Tue(09/18) 03:17:17	261/17:17:17	-0/03:07:43
MCF2 (0 m/s)	261/08:20:38	Tue(09/18) 03:20:38	261/17:20:38	-0/03:04:22
Arrive at RI (~500 m)	261/08:31:39	Tue(09/18) 03:31:39	261/17:31:39	-0/02:53:21
Arrive at 250 m Hold Point	261/08:52:10	Tue(09/18) 03:52:10	261/17:52:10	-0/02:32:50
Yaw Around Start	261/09:07:10	Tue(09/18) 04:07:10	261/18:07:10	-0/02:17:50
Yaw Around Complete	261/09:17:10	Tue(09/18) 04:17:10	261/18:17:10	-0/02:07:50
Sunset	261/09:21:36	Tue(09/18) 04:21:36	261/18:21:36	-0/02:03:23
ISS Mnvr to Capture Attitude	261/09:25:00	Tue(09/18) 04:25:00	261/18:25:00	-0/02:00:00
Go/No-Go for 250m Departure	261/09:46:10	Tue(09/18) 04:46:10	261/18:46:10	-0/01:38:50
Sunrise	261/09:50:02	Tue(09/18) 04:50:02	261/18:50:02	-0/01:34:57
Depart 250 m Hold Point	261/09:56:10	Tue(09/18) 04:56:10	261/18:56:10	-0/01:28:50
Range = 200 m	261/10:01:35	Tue(09/18) 05:01:35	261/19:01:35	-0/01:23:25
Range = 150 m	261/10:05:35	Tue(09/18) 05:05:35	261/19:05:35	-0/01:19:25
Range = 100 m	261/10:11:35	Tue(09/18) 05:11:35	261/19:11:35	-0/01:13:25
Range = 50 m	261/10:19:35	Tue(09/18) 05:19:35	261/19:19:35	-0/01:05:25
Arrive at 30 m Hold Point	261/10:25:37	Tue(09/18) 05:25:37	261/19:25:37	-0/00:59:23
Go/No-Go for 30m Departure	261/10:38:37	Tue(09/18) 05:38:37	261/19:38:37	-0/00:46:23
Depart 30 m Hold Point	261/10:48:37	Tue(09/18) 05:48:37	261/19:48:37	-0/00:36:23
Sunset	261/10:54:23	Tue(09/18) 05:54:23	261/19:54:23	-0/00:30:36
Arrival at Capture Point (CP)	261/11:09:17	Tue(09/18) 06:09:17	261/20:09:17	-0/00:15:43
Go/No-Go for Capture	261/11:15:00	Tue(09/18) 06:15:00	261/20:15:00	-0/00:10:00
Sunrise	261/11:22:48	Tue(09/18) 06:22:48	261/20:22:48	-0/00:02:12
ISS Attitude Hold, Desats Inhibited	261/11:23:00	Tue(09/18) 06:23:00	261/20:23:00	-0/00:02:00
Nominal Window Open: Earliest GO for Capture (SR+1 min)	261/11:23:48	Tue(09/18) 06:23:48	261/20:23:48	-0/00:01:12
Capture	261/11:25:00	Tue(09/18) 06:25:00	261/20:25:00	+0/00:00:00
USTO Activation after Capture, Desats Enabled	261/11:27:00	Tue(09/18) 06:27:00	261/20:27:00	+0/00:02:00
ISS Mnvr to HTV Berth TEA	261/11:55:00	Tue(09/18) 06:55:00	261/20:55:00	+0/00:30:00
Sunset	261/12:27:10	Tue(09/18) 07:27:10	261/21:27:10	+0/01:02:09
Nominal Window Close: Latest GO for Capture (SR-15 min)	261/12:40:34	Tue(09/18) 07:40:34	261/21:40:34	+0/01:15:33
Sunrise	261/12:55:34	Tue(09/18) 07:55:34	261/21:55:34	+0/01:30:33
Backup Window Open: Earliest GO for Capture (SR+1 min)	261/12:56:34	Tue(09/18) 07:56:34	261/21:56:34	+0/01:31:33
Sunset	261/13:59:57	Tue(09/18) 08:59:57	261/22:59:57	+0/02:34:56
Backup Window Close: Latest GO for Capture (SR-15 min)	261/14:13:19	Tue(09/18) 09:13:19	261/23:13:19	+0/02:48:19
Sunrise	261/14:28:19	Tue(09/18) 09:28:19	261/23:28:19	+0/03:03:19
Sunset	261/15:32:43	Tue(09/18) 10:32:43	262/00:32:43	+0/04:07:43

Nominal Capture Window

Backup