

Maneuver	Time, MET	System	ΔV , ft/sec	Duration, sec
NC-1	00:05:27:28.9	OMS (Both)	98.0	59.2
NSR	01:03:43:59.7	OMS (Both)	49.8	30
NC-2	01:04:17:14.3	OMS (Left)	14.1	17.1
NC-3	01:17:55:30.1	OMS (Right)	12.1	14.8

Table 1: STS-61. The HST was grappled at 01:23:19:56 and berthed at 01:23:57:30.

Maneuver	Time, MET	System	ΔV , ft/sec	Duration, sec
Reboost 1	06:16:59	RCS Vernier (?)	-	61

Table 2: STS-61. The HST was grappled at 01:23:28 and berthed at 2:00:10.

Maneuver	Time, MET	System	ΔV , ft/sec	Duration, sec
NSR	01:03:36:21.9	OMS	96	56.2
NC-2	01:05:02:00	RCS Primary	3.1	13.0
NH	01:17:06:04.9	OMS	12	8.0
NC-3	01:17:53:00	RCS Primary	3.4	14.0
NPC-2	01:19:00:24	RCS Primary	0.5	2.0
NCC	01:20:07:46	RCS Primary	1.1	1.1
TI	01:21:07:52	RCS Primary	2.8	12.0
MC-1	01:21:34:16	RCS Primary	0.4	2.0
MC-2	01:22:02:40	RCS Primary	1.5	6.0
MC-3	01:22:12:40	RCS Primary	0.9	3.0
MC-4	01:22:22:40	RCS Vernier	0.2	1.0

Table 3: STS-82. The HST was grappled at 01:23:28 and berthed at 2:00:10.

Maneuver	Time, MET	System	ΔV , ft/sec	Duration, min:sec
Reboost 1	04:01:09:28	RCS Vernier	6.6	20:41.9
Reboost 1A _a	04:06:07:04	RCS Vernier	3.3	10:12.6
Reboost 2	5:01:15:03	RCS Vernier	6.5	19:46.9
Reboost 3	07:01:33:00	RCS Vernier	10.4	31:53.5

Table 4: STS-82. a - Maneuver required for space debris avoidance. The four reboost maneuvers raised the HST orbit an average of 8 nmi.

Maneuver	Time, MET	System	ΔV , ft/sec	Duration, sec
NC-1 Trim	01:03:42:23	RCS Primary	0.06	0.44
NC-2	01:04:36:49	RCS Primary	7.4	31
NSR Trim	01:17:36:55.1	RCS Primary	0.2	0.24
NCC	01:20:38:00	RCS Primary	0.3	1.0
TI	01:21:36:06	RCS Primary	4.1	8.7
MC-1	01:21:58:06	RCS Primary	0.3	0.5
MC-2	01:22:32:58	RCS Primary	0.9	2.9
MC-3	01:22:49:58	RCS Primary	0.4	1.0
MC-4	01:22:59:58	RCS Vernier	1.8	7.2

Table 5: STS-103. The HST was grappled at 01:23:44:01 and berthed at 2:00:52.

Maneuver	Time, MET	System	ΔV , ft/sec	Duration, sec
NC2	000:17:50:50.5	-X RCS	4.5	19.7
NC3	01:02:55:32	Multi-axis RCS	3.1	12.6
NC4	01:17:47:01	Multi-axis RCS	4.8	20.4
NCC	01:18:38:57	Multi-axis RCS	1.3	5.5
MC-1	01:19:59:04	Multi-axis RCS	0.8	3.2
MC-2	01:20:34:27	Multi-axis RCS	0.4	1.79
MC-3	01:20:34:27	+X RCS	1.9	8.1
MC-4	01:21:01:28	Multi-axis RCS	1.9	8.1

Table 6: STS-109. The HST was captured at 001:21:09:19.

Maneuver	Time, MET	System	ΔV , ft/sec	Duration, min:sec
Reboost 1	07:05:56:01.8	RCS Vernier (?)	11.8	36:00

Table 7: STS-109. The reboost maneuver raised the HST orbit an average of 3.6 nmi.

Maneuver	Time, GMT	System	ΔV , ft/sec	Duration, sec
NC 1	131/21:49:54.65	RCS	19.5	90.88
NCC	133/13:41:50	RCS	1.6	7.0
MC 3	133/15:53:26.3	RCS	0.9	0.2
MC 4	133/16:03:26.5	RCS	2.1	8.9

Table 8: STS-125. The HST was captured at 133/17:30:52.