

H-IIA Launch Vehicle No.40 Flight Sequence (Quick Estimation)

Event	Actual value (Quick estimation) ※1
1. Liftoff	0 min 0 sec
2. Solid rocket boosters burnout ※2	1 min 51 sec
3. Solid rocket boosters jettison ※3	2 min 7 sec
4. Upper payload fairing jettison	4 min 13 sec
5. 1st stage main engine cutoff (MECO)	6 min 32 sec
6. 1st and 2nd stages separation	6 min 40 sec
7. 2nd stage engine lock-in (SELI)	6 min 49 sec
8. 2nd stage engine cutoff (SECO)	15 min 19 sec
9. IBUKI-2 separation	16 min 9 sec
10. Lower payload fairing (adapter) jettison	19 min 45 sec
11. Lower payload fairing (cylinder) jettison	19 min 50 sec
12. KhalifaSat separation	24 min 15 sec

※1 Quick estimation value prior to the detailed estimation

※2 The definition of Solid rocket boosters burnout is the combustion chamber pressure becoming 10% against the largest combustion pressure.

※3 The definition of Solid rocket boosters jettison is the separation of the rear braces.