

H-IIA Launch Vehicle No.29 Flight Sequence (Quick Estimation)

Event	Actual value (Quick review) ※ ¹
1. Liftoff	0 min 0 sec
2. SRB-A burnout ※ ²	1 min 50 sec
3. SRB-A 1st pair jettison ※ ³	2 min 5 sec
4. SRB-A 2nd pair jettison ※ ³	2 min 9 sec
5. Payload fairing jettison	3 min 25 sec
6. First stage main engine cutoff (MECO)	6 min 40 sec
7. 1st and 2nd stages separation	6 min 48 sec
8. Second stage engine lock-in (SELI1)	6 min 58 sec
9. Second stage engine cutoff (SECO1)	11 min 5 sec
10. Second stage engine lock-in (SELI2)	22 min 48 sec
11. Second stage engine cutoff (SECO2)	26 min 38 sec
12. Second stage engine lock-in (SELI3)	4 hour 22 min 41 sec
13. Second stage engine cutoff (SECO3)	4 hour 23 min 25 sec
14. Telstar 12 VANTAGE separation	4 hour 26 min 50 sec

※¹ Quick estimation value prior to the detailed estimation

※² When the combustion chamber pressure becomes 10% against the largest combustion pressure.

※³ The definition of SRB-A jettison is the separation of the rear brace.