

FIG.1 ARIANE 5. LAUNCHER MAIN CHARACTERISTICS

L8	L03	L6
AR1	AR1	AR1
INTELSAT V F8 (COMMUNICATIONS)	METEOSAT (METEOROLOGICAL) * APPLE COMMA ATECHNO * CAT (TECHNOLOGICAL)	ECS-1 (COMMUNICATIONS) * AMSAT PHILIP (RADIO AMATEURS)
1881	1678	1381

FIG.2 ARIANE 1 FLIGHTS

V20	V21
AR2	AR3
TV SAT 1 (T.V. BROADCASTING)	SPACENET IIIIR / GEOSTAR RO1 (COMMUNICATIONS) * TELECOM 1C (COMMUNICATIONS)
2154	2632.6

FIG.3 ARIANE 2/3 FLIGHTS

OVERALL MASS
(kg)

V33	V34	V40	V41
AR4LP	AR4L	AR4SP	AR4L
TV SAT 2 (T.V. BROADCASTING) * HIPPARCOS (SCIENTIFIC)	INTELSAT VI F2 (COMMUNICATIONS)	SATCOM C1 (TELECOMMUNICATIONS) * QSTAR IV (TELECOMMUNICATIONS)	ITALSAT 1 (COMMUNICATIONS) * EUTELSAT II F2 (TELECOMMUNICATIONS)
2700	4288	2884.3	4882.7

FIG.4 ARIANE 4 FLIGHTS

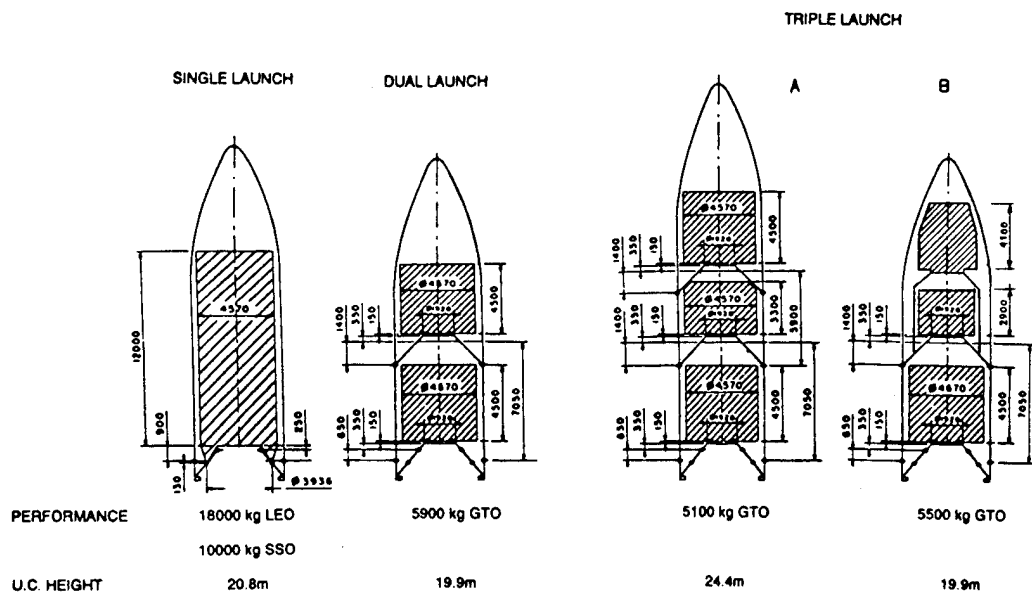


FIG. 5 ARIANE 5. UPPER PART CONFIGURATIONS

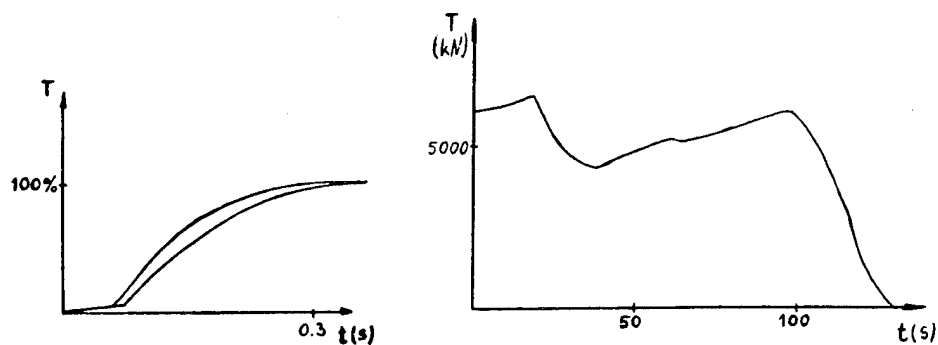


FIG. 6 BOOSTER THRUST BUILD-UP & GLOBAL PROFILE

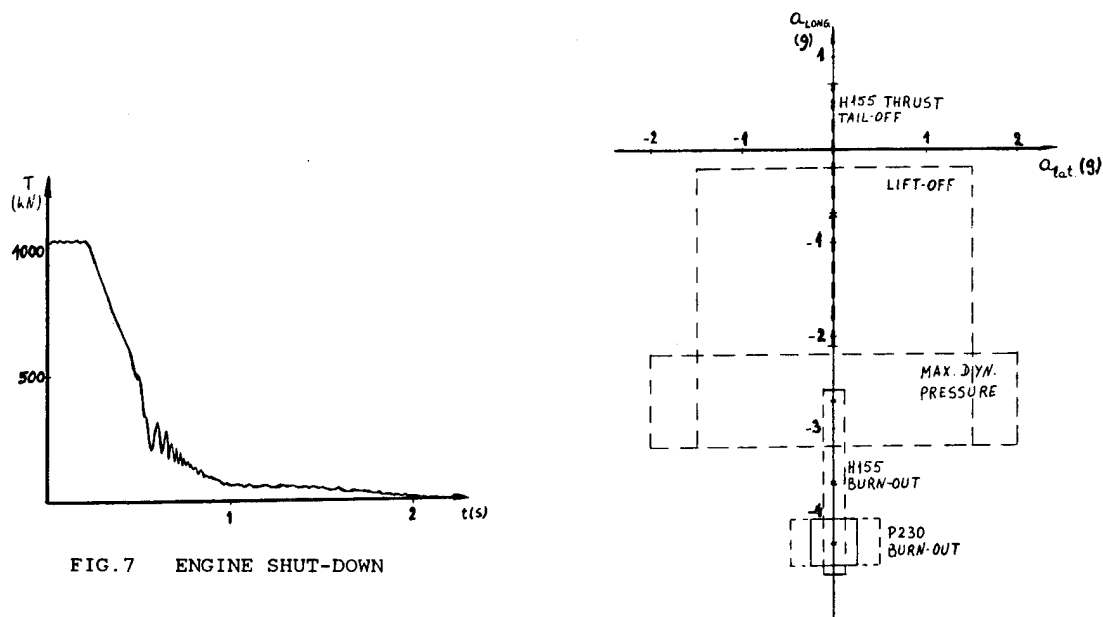


FIG. 7 ENGINE SHUT-DOWN

FIG. 8 QUASI-STATIC LOADS (PAYLOAD LEVEL)