

- 6.1.3 Boundary layer and wake quantities not relevant
- 6.1.4 Repeatability see tables B1-2 and B1-3 or B1-10 and B1-11
- 6.2 Wall interference corrections no corrections
- 6.3 Data presentation
- 6.3.1 Aerodynamic coefficients
- 6.3.2 Surface pressure coefficients C_p (x/l) for all sections defined 5.1.1
- 6.3.3 Flow conditions for
- aerodynamic coefficient data not relevant
 - pressure data $Mo = 0.70/0.84/0.88/0.92$ at $Re \sim 11.7 \cdot 10^6$
and angles of attack $\alpha = 0^\circ$ to 6°
- detail : T2 means table B1-2
F3 means figure B1-3

$\alpha \backslash Mo$	0.70	0.84	0.88	0.92
0°	T2/3	T10/11 F3	T18	T25
1°	T4	T12 F4	T19	T26
2°	T5	T13 F5	T20	T27
3°	T6 F10	T14 F6/11	T21 F12	T28 F13
4°	T7	T15 F7	T22	T29
5°	T8	T16 F8	T23	T30
6°	T9	T17 F9	T24	T31

Boundary layer and/or wake data none

Flow conditions for boundary layer and/or wake data not relevant

Wall interference corrections included ? no

Aeroelastic corrections included ? no

6.3.8 Other corrections ? no

6.4 Were tests carried out in different facilities on the current model ? If so, what facilities. Are data included in present data base ? not at transonic Mach numbers

7. References

1. X. VAUCHERET Fluctuations acoustiques engendrées par les parois perméables d'une soufflerie transsonique
AGARD CP 174 (Octobre 1975)
- M. PIERRE The aerodynamic test center of Modane-Avrioux
G. FASSO ONERA Technical Note n° 166E (1972)

- 3 M. PIERRE
G. FASSO Exploitation du centre d'essais aérodynamiques de Modane-Avrieux
Note technique ONERA n° 181 (1971)
4. M. GOUSSE Etude de l'écoulement autour de l'aile M6 en transsonique à S2MA
P.V. n° 2/0065 GY (1973) - not published
5. F. CHARPIN Etude de l'écoulement autour de l'aile M6 en transsonique à S2MA
P.V. n° 5/1713 ANG (1974) - not published
6. B. MONNERIE
F. CHARPIN Essais de tremblement (buffeting) d'une aile en flèche en transsonique
L'Aéronautique et l'Astronautique n° 50 (1975-1), p. 3-16
7. C. ARMAND Etude de la couche limite par détecteurs à film chaud en écoulement
subsonique et transsonique
La Recherche Aérospatiale n° 1976-3, p. 127-133

8. List of symbols

- b : semi-span
 local chord
- c : mean aerodynamic chord
- S : wing area
- : distance measured along the local chord from the leading-edge of the wing
 section
- y : distance measured spanwise
- : distance from the plane of the wing
- X : distance measured chordwise from wing apex
- : angle of attack
- Mo : free stream Mach number
- M : local Mach number
- Po : stagnation pressure
- po : free stream static pressure
- qo : free stream dynamic pressure
- p : local static pressure
- Cp : pressure coefficient $C_p = \frac{p - p_o}{q_o}$
- To : stagnation temperature
- Re_c : Reynolds number based on c
- C_X : axial force coefficient
- C_Z : normal force coefficient
- C_l : rolling moment coefficient
- C_m : pitching moment coefficient
- C_n : yawing moment coefficient