



S3 Ch

Identification of the installation/facility:

Country: FRANCE

Location (city): Meudon Name of the facility: S3Ch

Date of construction or of acquisition or of main refurbishment: 1986

Owner: ONERA

Contact point: chanetz@onera.fr Internet site: www.onera.fr

Technical characteristics:

5 - Operational status

- Fully operational (hours available in 2010)

1 - Type of infrastructure Wind tunnel Propulsion bench Structures facility Material facility Simulator (ex. Flight simulator, tower,) Flight test bed (aircraft, embedded facilities,) Supercomputers Other
2 - Main technical characteristics
Mach number: 0.6 < M < 1.35 stagnation pressure: atmospheric pressure stagnation temperature: 290 K < TiO < 330 K Test-section: 0.76 m x 0.80 m, length: 2.20 m
3 - Research domains which can be addressed (refer to ACARE taxonomy
1. Flight Physics/Airflow control/flow control/P
4 - Main (or specific) associated measurement techniques
Particle Image Velocimetry Pressure Sensitive Paint Laser Doppler Velocimetry





6 - picture



Financial elements:

Replacement cost (M€uros)	
Less than 10	
10 to 30	\boxtimes
30 to 60	
60 to 100	
More than 100	

Practices concerning:

Access policy <u>:</u> contract, eventually voucher<u>)</u> Support : European, private, national

Origin of information ('signature'): author and date

B. Chanetz, 10 February 2011