



R2 Ch

Identification of the installation/facility :

Country: FRANCE
Location (city): Meudon
Name of the facility: R2Ch
Date of construction or of acquisition or of main refurbishment: 1964
Owner: ONERA
Contact point: chanetz@onera.fr
Internet site: www.onera.fr

Technical characteristics:

1 - Type of infrastructure

- | | |
|--|-------------------------------------|
| Wind tunnel | <input checked="" type="checkbox"/> |
| Propulsion bench | <input type="checkbox"/> |
| Structures facility | <input type="checkbox"/> |
| Material facility | <input type="checkbox"/> |
| Simulator (ex. Flight simulator, tower, ...) | <input type="checkbox"/> |
| Flight test bed (aircraft, embedded facilities, ...) | <input type="checkbox"/> |
| Supercomputers | <input type="checkbox"/> |
| Other | <input type="checkbox"/> |

2 - Main technical characteristics

blow-down wind tunnel
three different nozzles : Mach = 5, 6, 7
stagnation pressure up to 85 bars
stagnation temperature up to $Ti0 = 750$ K

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

Infrared thermography

5 - Operational status

- Fully operational



6 - picture



Financial elements:

Replacement cost (M€uros)

Less than 10

10 to 30

30 to 60

60 to 100

More than 100

Practices concerning:

Access policy : contract, eventually voucher)

Support : European, private, national

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

B. Chanetz, 10 February 2011