**Table of contents**

I ) Mod limitations

II) Variants

III ) Technical data

IV ) Air-Air weapons specificities

V ) Air-Ground weapons specificities

VI ) ECM

VII ) Identification

VIII ) Radars technical data

IX ) RDM radar description

X ) Super 530F launch procedure

*This mod works with DCS World Mirage 2000C module. The functioning of this module as developped by Razbam is not explained. Only modifications brought by this mod are described in this document. The M-2000C is not impacted by the modifications below. Only added variants are concerned.*

**I ) Mod limitations |**

No identified limitation.

**II) Variants |**

Mirage 2000C S3 : The 2000C S3 standard is the ultimate variant equipped with RDM radar and M53-5 engine. Developped as pre-production aircraft awaiting RDI radar, The 2000C RDM entered service in French air force in 1984. Compared to previous standards, the S3 offers Super 530F launch capability and a refuel probe.

Mirage 2000H : India is the first export client and received its 2000H in 1985. First equipped with M53-5 engines, they were retrofited to M53-P2 later. While using RDM radar and Super 530D, these aircraft are able to employ an improved Air-to-Ground payload.

**III ) Technical data |**

|  |  |  |  |
| --- | --- | --- | --- |
| Characteristics | 2000C RDI | 2000C S3 | 2000H |
| Engine | M53-P2 | M53-5 | M53-P2 |
| Radar | RDI | RDM | RDM |
| IFF interrogator | YES | NO | NO |
| TAF | YES | YES | NO |
| Datalink | NO | NO | NO |
| DDM | YES | NO | NO |
| SABRE jammer | YES | YES | YES |
| ECLAIR pod | YES | NO | NO |
| SPIRALE dispenser | YES | NO | NO |
| NVG | YES | NO | NO |
| Targeting pod | NO | NO | YES (not implemented) |

**IV ) Air-Air weapons specificities |**

|  |  |  |  |
| --- | --- | --- | --- |
| Armament | 2000C RDI | 2000C S3 | 2000H |
| Super 530D | YES | NO | YES |
| Super 530F | NO | YES | NO |
| Magic II | YES | YES | YES |
| Magic I | NO | YES | YES |
| Mica EM | NO | NO | NO |
| Mica IR | NO | NO | NO |
| DEFA 553 | YES | YES | YES |

**V ) Air-Ground weapons specificities |**

|  |  |  |  |
| --- | --- | --- | --- |
| Armament | 2000C RDI | 2000C S3 | 2000H |
| Dumb bombs | YES | YES | YES |
| GBU | YES | YES | YES |
| BAP-100 | YES | YES | YES |
| Durandal | NO | NO | NO |
| AS-30L | NO | NO | YES |
| AASM | NO | NO | NO |
| ARMAT | NO | NO | YES (not implemented) |
| AM-39 Exocet | NO | NO | NO |
| Scalp EG | NO | NO | NO |
| CC-421 gun pod | NO | NO | NO |
| Rockets | YES | YES | YES |

**VI ) ECM |**

The variants that are not equipped with SPIRALE dispensers have their chaffs/flares quantities reduced as follow :

- 16 chaffs

- 16 flares

Quantities can be modified in mission editor.

**VII ) Identification |**

So as to improve identification, the Serval system and NCTR mod have been enriched with the following modules and mods :

|  |  |  |
| --- | --- | --- |
| Aditionnal mod | Serval | NCTR |
| 2000C S3 | I | M-2000 |
| 2000H | I | M-2000 |
| A-4E | . | A-4 |
| F-4B & F-4C (VSN) | 4 | F-4 |
| Su-30 (Codename) | \_|\_|\_|\_ | SU-30 |
| Mig-31BM (Szcz) | |\_|-|\_| | MIG-31 |

**VII ) Identification |**

Modules identification has been modified as followed :

|  |  |  |
| --- | --- | --- |
| Aditionnal mod | Serval | NCTR |
| Mirage F1 | 7 | F1 |
| F/A-18A | - | F-18 |
| Vulcan | G |  |
| p-19 s-125 sr | 2 |  |
| HQ-7 | 8 |  |
| ZSU-23-4 Shilka | 9 |  |

**VIII ) Radars technical data |**

|  |  |  |
| --- | --- | --- |
| Characteristics | RDI | RDM |
| Modes | BFR/ENT/HFR | GP/MP/BT/BA |
| NCTR | YES | NO |
| TDC switch | S & Z | S |
| DEC mode | YES | YES |
| VISU mode | YES | YES |
| PER mode (« Percée ») | NO | YES (not implemented) |
| AC mode (« Anti Collision ») | NO | YES (not implemented) |

**IX ) RDM radar description |**

/!\ The RDM modeling is based on RDI as developped in Mirage 2000C module. As such it is not accurate.

Two search modes are simulated :



**1** : These modes are represented by « RCH ».

GP (« Grande Portée ») : With an average 40 nm range, It is based on « BFR » RDI mode. It doesn’t allow to select a target in PSID/PSIC mode. It doesn’t have lookdown ability.

MP (« Moyenne Portée ») : With an average 40 nm range, It is based on « ENT » RDI mode. It allows to select a target in PSID/PSIC mode. It doesn’t have lookdown ability.

**IX ) RDM radar description |**

These two modes are selectable with « PRF » switch :



- GP : « BFR » position

- MP : « ENT » position

*(Nota bene : « HFR » mode is not functional anymore)*

***IX ) RDM radar description |***

PSID mode (« TWS ») :



**1** : This mode is represented by « PID ».

**1**

- It has lookdown ability.

- Only show selected target.

- Doesn’t activate enemy RWR.

- Doesn’t allow Super 530F/D launch.

***IX ) RDM radar description |***

PSIC (« STT ») :



**1** : This mode is represented by « PIC ».

**1**

- It has lookdown ability.

- Only show selected target.

- Activate enemy RWR.

- Allow Super 530F/D launch.

***IX ) RDM radar description |***

Air-to-Ground modes :

- DEC and VISU modes work like their counterparts on RDI radar.

- PER and AC modes are not implemented.

**X ) Super 530F launch procedure |**

Super 530F and Super 530D launch procedure are the same. Nonetheless the VTH symbology has been modified to take into account the specific characteristics of this missile.

**1** : Range have been modified in accordance with missile performances (this is the reference information for launch procedure).

**2** : The « interception director circle » doubling is deactivated.

**3** : The « TIR » message is deactivated.

*(Nota bene : sound signals are not reliable. Don’t take them into account)*