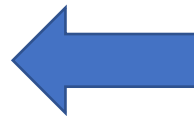
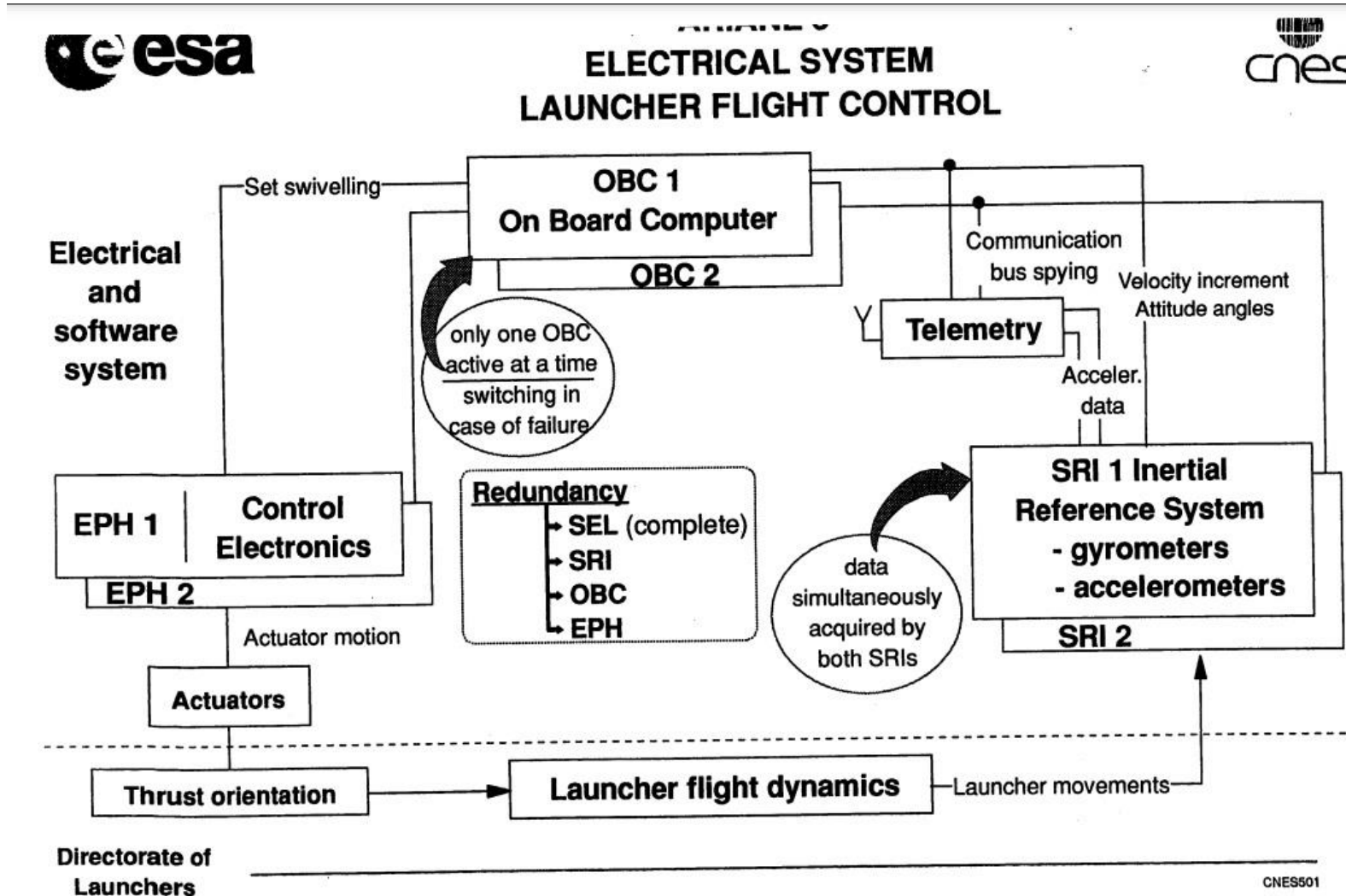


Авария ракеты-носителя «Ариан-5»

Или история о том как за 40 секунд потерять
7 миллиардов долларов



Техническая составляющая Ariane-5



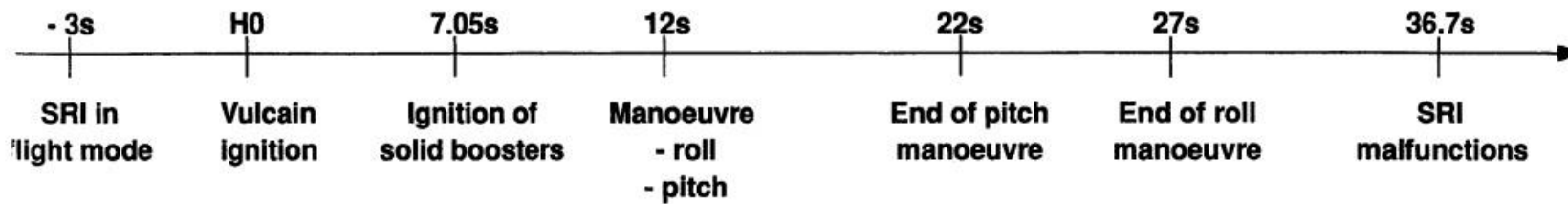
Фазы развития процесса



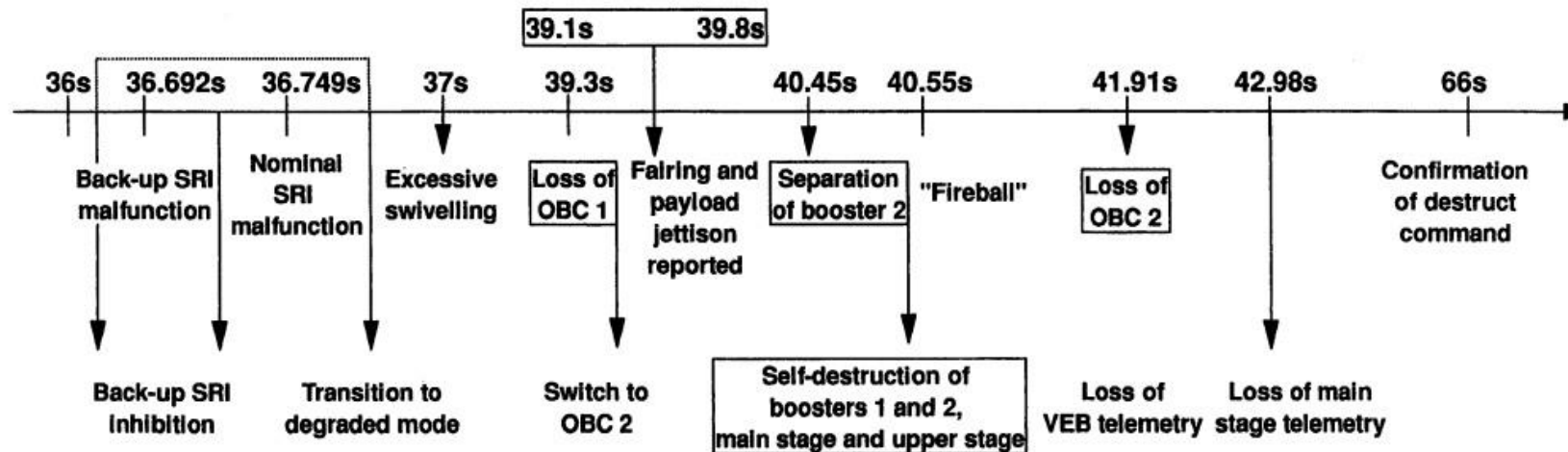
SUT ACCIDENT FLIGHT SEQUENCE



▪ Nominal flight



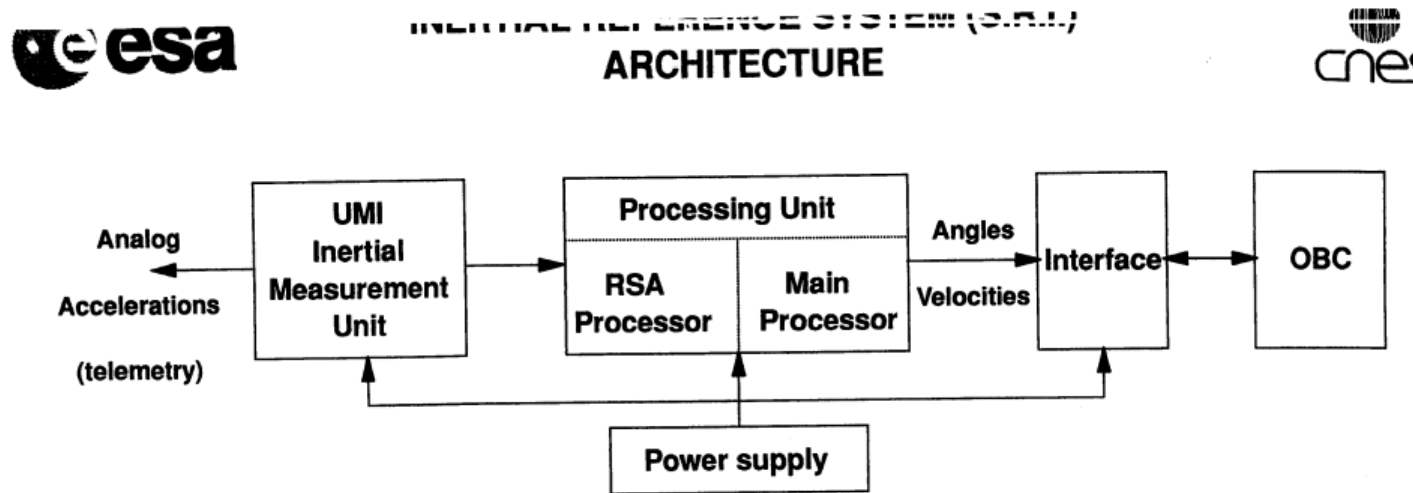
▪ Accident



Directorate of
Launchers

CNES501

Причины и истоки аварии



The SRIs were developed in common for Ariane 4 and Ariane 5

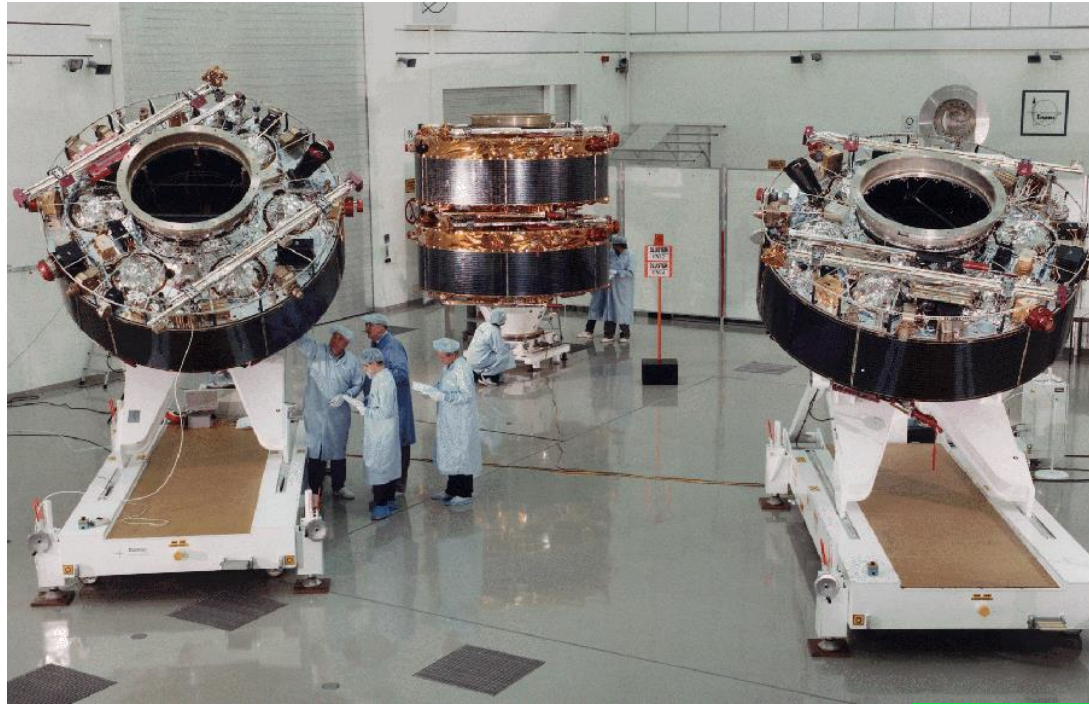
The only differences between the Ariane 4 and Ariane 5 versions are as follows:

	ARIANE 4	ARIANE 5
UMI	3 laser gyros 3 accelerometers	3 laser gyros 4 accelerometers
Power supply	28 V	55 V
Interface	Parallel 16 bits	Series 1553 B

Проблемы кода

```
L_M_BV_32 := TDB.T_ENTIER_32S ((1.0/C_M_LSB_BV) *  
                                G_M_INFO_DERIVE(T_ALG.E_BV));  
if L_M_BV_32 > 32767 then  
    P_M_DERIVE(T_ALG.E_BV) := 16#7FFF#;  
elsif L_M_BV_32 < -32768 then  
    P_M_DERIVE(T_ALG.E_BV) := 16#8000#;  
else  
    P_M_DERIVE(T_ALG.E_BV) := UC_16S_EN_16NS(TDB.T_ENTIER_16S(L_M  
end if;  
  
501 P_M_DERIVE(T_ALG.E_BH) := UC_16S_EN_16NS (TDB.T_ENTIER_16S  
                                ((1.0/C_M_LSB_BH) *  
                                G_M_INFO_DERIVE(T_ALG.E_BH)))  
end LIRE_DERIVE;
```


Вывод



王牌

+270,967,214,485
Social
Credit

