

**- ANNEXE 04 -**


Observation à **RIXHEIM** (68170)  
**Dimanche 26-07-2009 aux environs de 23h 45 HL**

**Données satellitaires**

Source : <http://www.calsky.com/> (Calcul en ligne)

Données observationnelles pour le satellite pouvant éventuellement rendre compte de la phase 1 du phénomène observe.

Note : la magnitude entre +4.1 et +3.9 fait qu'il reste de faible luminosité.

Name: **Cosmos 1151 Rocket**  
Dimensions: 2.6 m x 2.2 m, cylindrical  
Brightness: 5.0 mag(at 1000 km and 50% illuminated)  
3.1 mag(at perigee and full illumination)  
USSPACECOM Nr: **11672** International Designator: **1980-005B**  
Orbit: 597.9 x 622.6 km, 96.9min Inclination: 82.5°  
Age Elements:  2.8 days

**Visibility of this Transit:**

Appears: 23h44m54s (satellite exits from Earth's shadow)  
Magnitude: 4.1mag  
Altazimuth: Az= 149.84° SSE Alt= +39.25° r= 920.99 km  
Transit: **23h46m12s**  
Magnitude: **3.9mag**  
Altazimuth: Az= 94.82° E Alt= +56.10° r= 731.49 km  
Disappears: 23h52m43s (sets on the horizon)  
Magnitude: 8.7mag  
Altazimuth: Az= 13.62° NNE Alt= +0.46° r= 2877.51 km

Elongation from sun center: 97.62°  
Elongation from moon center: 132.11°

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Source : <http://www.heavens-above.com/>

**Cosmos 1151 Rocket- Information Identification**

USSPACECOM Catalog No.: **11672**

International Designation Code : **1980-005-B**

**Satellite Details**

Orbit: **599 x 621 km, 82.5°**

Category: **Rocket Body**

Intrinsic brightness (Mag): **5.1 (at 1000km distance, 50% illuminated)**