**ASTEROIDAL OCCULTATION - REPORT FORM - EAON**

**EUROPEAN ASTEROIDAL OCCULTATION NETWORK**

**1. DATE**: 28 dicembre 2018     **STAR**:  **UCAC4-498-040974 ASTEROID**: (95) Arethusa

**2.OBSERVER**

**Name**:    Andrea MANNA Abr.: MAA
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**Address**: via alla Motta – Cugnasco (Switzerland)

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**3.OBSERVING STATION**
   **Station:** Cugnasco (c.Ti Switzerland)

 **Nearest city**: Locarno

   **Longitude**: 08d 55m 13.8s E
   **Latitude**: 46d 10m 35.5s N
   **Altitude**:        240m

 (Google Earth)

**4.TIMING OF EVENTS**
   **Occultation recorded**: POSITIVE
   **Type of event:**

 **“S”tart observation:** 23: 56: 51 UT

 **“E”nd observation: 00**: 03: 06

 **“D”isappearance:** 00: 01: 07.65 +/- 0.040 s UT (with Dangl correction)

 **“R”eappearance:** 00: 01: 15.25 +/- 0.040 s

 **Duration:** 7.60 sec +/- 0.08 s

 **Personal Equation Substracted**:
   **Event Time (UTC)       P.E.      Accuracy + Comments
   code: HH:MM:SS.ss    S.ss**
    -**S :**

**-E :**
**5.TELESCOPE**
**Type**: Schmidt-Cassegrain

**Aperture**: 200mm
**Focal length:** 600mm (with focal reducer)
**Mount**: Equatorial
**Motor drive**: Yes

**6.TIMING & RECORDING**
  **Timekeeping**: GPS 1PPS (US Global Sat EM-406A)
  Videocamera Watec Wat-910HX/RC

 Shutter mode= X 4, Gain=41, Gamma=1.00

 **Mode of recording**
  **Device of recording:** IOTA-VTI, v.1.1.42

**7.OBSERVING CONDITIONS**  **Atmospheric transparency**: good
  **Wind**:
  **Star image stability**:
  **Temperature**:
  **Minor Planet Visible**:

**8.ADDITIONAL COMMENTS**