

# CRaTER Verification Procedure/Report

**Title: (8.3.3) Pathlength through TEP**

**Document 32-06020.23**

Reference: 32-01205 Instrument Requirements Document Section 8.3.3

Requirement: The minimum pathlength through the total amount of TEP in the telescope shall be at least 60 mm.

Procedure: Mechanical diagrams will be reviewed to verify that the total length of TEP traversed by particles passing through the telescope is at least 60 mm of TEP. The length of the TEP components will be measured during fabrication.

Results:

Value	Requirement	Units	SN01 (FM2)	SN02 (FM1)
<b>Small Length</b>		mm	26.97226	26.97988
<b>Large Length</b>		mm	53.99278	53.96738
<b>Ratio</b>	0.333333	ratio	0.333134647	0.333301955
<b>Total Length</b>	60	mm	80.96504	80.94726

The total lengths of the long and short TEP components on both flight instruments are measured to be greater than 80.9mm exceeding the 60 mm requirement.

S/N: 01 & 02

Passed/Failed: Passed

Comments:

Performed by: JCKasper

R&QA: \_\_\_\_\_

Date: 1 November 2007

Date: \_\_\_\_\_