

# CRaTER Verification Procedure/Report

Title: (8.3.4) Asymmetric TEP Components

Document 32-06020.24

Reference: 32-01205 Instrument Requirements Document Section 8.3.4

Requirement: The TEP shall consist of two components of different length, 1/3 and 2/3 the total length of the TEP. If the total TEP is 61 mm in length, then the TEP section closest to deep space will have a length of approximately 54 mm and the second section of TEP will have a length of approximately 27 mm.

Procedure: Mechanical diagrams will be reviewed to verify that the lengths of the two components of TEP are 27 mm and 54 mm respectively. The flight sections of TEP will be measured at low resolution to verify the length.

## Results:

Inspected the mechanical diagrams and confirmed that the specified lengths of TEP are 27 mm and 54 mm. Confirmed through measurements of the TEP segment lengths as determine by Albert Lin with a micrometer.

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

S/N: 01 & 02

Passed/Failed: Passed

Comments:

Performed by: JCKasper

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

Date: 1 November 2007

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