

<b>Status</b>	2 - Disposition Needed	<b>Trend</b>	07-Out Of Tolerance
<b>Department</b>	NCSX	<b>Division</b>	125
<b>Source/Org</b>	Fabrication, Operations & Maintenance		
<b>Item Dwg/Part#</b>	SE310-035	<b>Procurement #</b>	
<b>RAP#</b>	3268	<b>Job Doc #</b>	D-NCSX-FPA-001
<b>RAP Title</b>	Field Period Assembly Station One		

HoldTag Applied

**Nonconforming Condition (include requirement(s) violated):**

VVSA-1, 2, 3: Five (5) of the NCSX vacuum vessel diagnostic loop cryostat feedthrough Conflat flanges and three (3) associated feedthrough discs exhibit a magnetic permeability greater than is allowed by NCSX-ASPEC-GRD-05 paragraph 3.3.1.1 (<1.05 Mu). See attachment 1 for details and pictures. These parts have been annealed in the vacuum brazing furnace and the readings reported are post annealing.

<b>Lot Size Recd</b>	8	<b>Sample Size Insp</b>	8	<input checked="" type="checkbox"/> Lot Rejected	<b># Rejected</b>	8
<b>Reported By</b>	Phelps C	<b>Validated By</b>	Boscoe J	<b>Validated Date</b>	10/29/07	

~~Disposition: Rework\* \_\_ Repair\* \_\_ Use As Is\* \_\_ Return To Vendor\* \_\_ Scrap\* \_\_~~

*Please use p. 2 for disposition and approvals .*

~~For rework or repair of vendor supplied equipments, fill in information below:~~

<b>#Hours</b>	_____	<b>\$Est Labor</b>	_____	<b>\$G&amp;A</b>	_____
<b>\$Material</b>	_____	<b>\$Burden</b>	_____	<b>\$Total</b>	_____
<b>Disposition By</b>	_____	<b>Date</b>	_____		
<b>Supervisor's Concur</b>	_____	<b>Date</b>	_____		
<b>Eng. Dept. Head Concur</b>	_____	<b>Date</b>	_____		
<b>WCO/Other</b>	_____	<b>Date</b>	_____		
<b>PQA/QC Mgr Dispos Concur</b>	_____	<b>Date</b>	_____		
<b>QC Field Verification By</b>	_____	<b>Date</b>	_____		

**Distribution**

**Cog** M. Viola

**Insp** Boscoe/Phelps

Proj. Doc Control (when closed)

QC Files

Malsbury J

Boscoe J

J. Edwards

L. Dudek

Labik G

Simmons B

Williams M

Tyrrell M

Brooks A

Disposition: Rework\_\_\_ Repair \_\_\_ Use As Is\_\_\_ Return to Vendor\_\_\_ Scrap\_\_\_

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For rework or repair of vendor supplied equipment, fill in information below:

# Hours \_\_\_\_\_ \$ Est Labor \_\_\_\_\_ \$ G&A \_\_\_\_\_  
\$ Material \_\_\_\_\_ \$ Burden \_\_\_\_\_ \$ Total \_\_\_\_\_

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Disposition by \_\_\_\_\_

~~Supervisor's Concurrence~~ \_\_\_\_\_

Eng. Dept. Head Concurrence \_\_\_\_\_

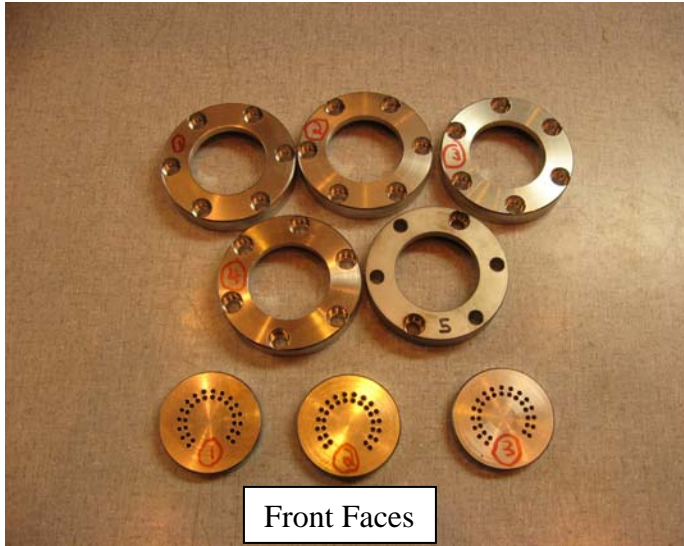
Other (i.e., WCO/FPE) Concurrence \_\_\_\_\_

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PQA/QC Mgr Disposition Concurrence \_\_\_\_\_

QA Field Verification by \_\_\_\_\_

**NCR 3733 – Attachment 1 – 10/26/07**



Conflat Flanges – 2.73” OD x 0.50” thick

Sample 1      Front & Back Faces = >1.1, <1.2 Mu  
 Sample 2      Front & Back Faces = >1.1, <1.2 Mu  
 Sample 3      Front & Back Faces = >1.1, <1.2 Mu  
  
 Sample 4      Front & Back Faces = >1.1, <1.2 Mu  
 Sample 5      Front & Back Faces = >1.06, <1.08 Mu  
                     Iso. spots of >1.09, <1.1 Mu

Outer Edge = >1.1, <1.2 Mu  
 Outer Edge = >1.09, <1.1 Mu  
 Outer Edge = >1.08, <1.09 Mu  
                     Iso. spots of >1.09, <1.1 Mu  
 Outer Edge = Iso. spots of >1.06, <1.08 Mu  
 Outer Edge = >1.06, <1.08 Mu

Feedthrough Discs – 1.90” OD x 0.25” thick

Sample 1      Front Face & Outer Edge = <1.05 Mu  
 Sample 2      Front Face & Outer Edge = <1.05 Mu  
 Sample 3      Front Face & Outer Edge = <1.05 Mu

Back Face = >1.06, <1.08 Mu  
 Back Face = >1.06, <1.08 Mu  
 Back Face = >1.06, <1.08 Mu  
                     Iso. Spots of >1.08, <1.09 Mu