

2016-06-09 TM4 with UCX16

Helium Pressure Test at TCS

By: David W.

Leak Detector : BLR :  $0.0 \times 10^{-9}$  atm.cc/sec . BP :  $0.0 \times 10^{-4}$  torr.

Helium pressure : 70 psi

TCS : 1G1  $4.0 \times 10^{-7}$  torr

TCS : 1G2  $2.14 \times 10^{-6}$  torr

TCS : PNG1  $3 \times 10^{-6}$  torr

TCS : 1G15  $1.4 \times 10^{-6}$  torr

Circuit	Test time (AM)	Test result (atm.cc/sec)
Ta <sup>+</sup> A →	7:25 - 7:30	$0.0 \times 10^{-9}$

Ta <sup>-</sup> B →	7:31 - 7:36	$0.0 \times 10^{-9}$
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Tube <sup>-</sup> C →	7:36 - 7:41	$0.0 \times 10^{-9}$
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Tube <sup>+</sup> D →	7:41 - 7:46	$0.0 \times 10^{-9}$
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MSP →	7:46 - 7:51	$0.0 \times 10^{-9}$
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EE →	7:52 - 7:57	$0.0 \times 10^{-9}$
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HS →	8:00 - 8:05	$0.0 \times 10^{-9}$
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<del>COIL (R-U)</del> window →	8:05 - 8:10	
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first 10 seconds to  $1 \times 10^{-8}$   
then  $1 \times 10^{-9}$  in rest time

<del>coil</del> coil 1 (R-U) →	8:11 - 8:16	
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$0.0 \times 10^{-9}$