

**DOCUMENT CHANGE NOTICE
(DCN)**

DOCUMENT No. (DOC-REV-GP.ID)	TITLE	NEW REV.
D010101-A-D	Substrate, Power Recycling Mirror, 40M RSE Experiment	B
D010102-A-D	Substrate, Signal Recycling Mirror, 40M RSE Experiment	B
D010103-A-D	Substrate, Beam Splitter, 40M RSE Experiment	B
D010104-A-D	Substrate, Input Test Masss, 40M RSE Experiment	B

CHANGE DESCRIPTION (FROM /TO, CONTINUE ON PG. 2 IF NECESSARY):

ADD to all documents a requirement for Surface 2 (Page 3) as follows:

Surface 2

Low Spatial Frequency Band < 32 cm-1: The surface is measured using a commercial phase measurement interferometer and calibrated reference flat. With piston, tip, tilt, power (best fit spherical surface) and astigmatism removed over the central 30 mm diameter aperture:

srms <5 nanometers

Also add in the certification table (page 4):

Side 2, Surface Errors – Low Spatial Frequency Interferometry 100% Certification

REASON FOR CHANGE: needed, but not included in the original specification

Action: ☐ Incorporate change ☐ Attach DCN to drawing(s) ☐ Other action (specify):

DISPOSITION OF HARDWARE (IDENTIFY SERIAL NUMBERS)	DCN DISTRIBUTION	
<input type="checkbox"/> No hardware affected (record change only)	Barish	Coyne
<input type="checkbox"/> List S/Ns which comply already:	Lazzarini	Lindquist
<input type="checkbox"/> List S//Ns to be reworked or scrapped:	Sanders	Shoemaker
<input checked="" type="checkbox"/> List S/Ns to be built with this change: All	Weiss	Whitcomb
<input type="checkbox"/> List S/Ns to be retested per this change:	Janeen Romie	
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

SAFETY, COST, SCHEDULE, REQUIREMENTS IMPACT? ☒ NO ☐ YES (If yes, enter CR (CCB) or TCP (TRB) no:

APPROVALS	DATE	OTHER APPROVALS (specify)	DATE
ORIGINATOR: G. Billingsley	9/21/01		
TASK LEADER:			
GROUP LEADER: D. Coyne			
DCC RELEASE			