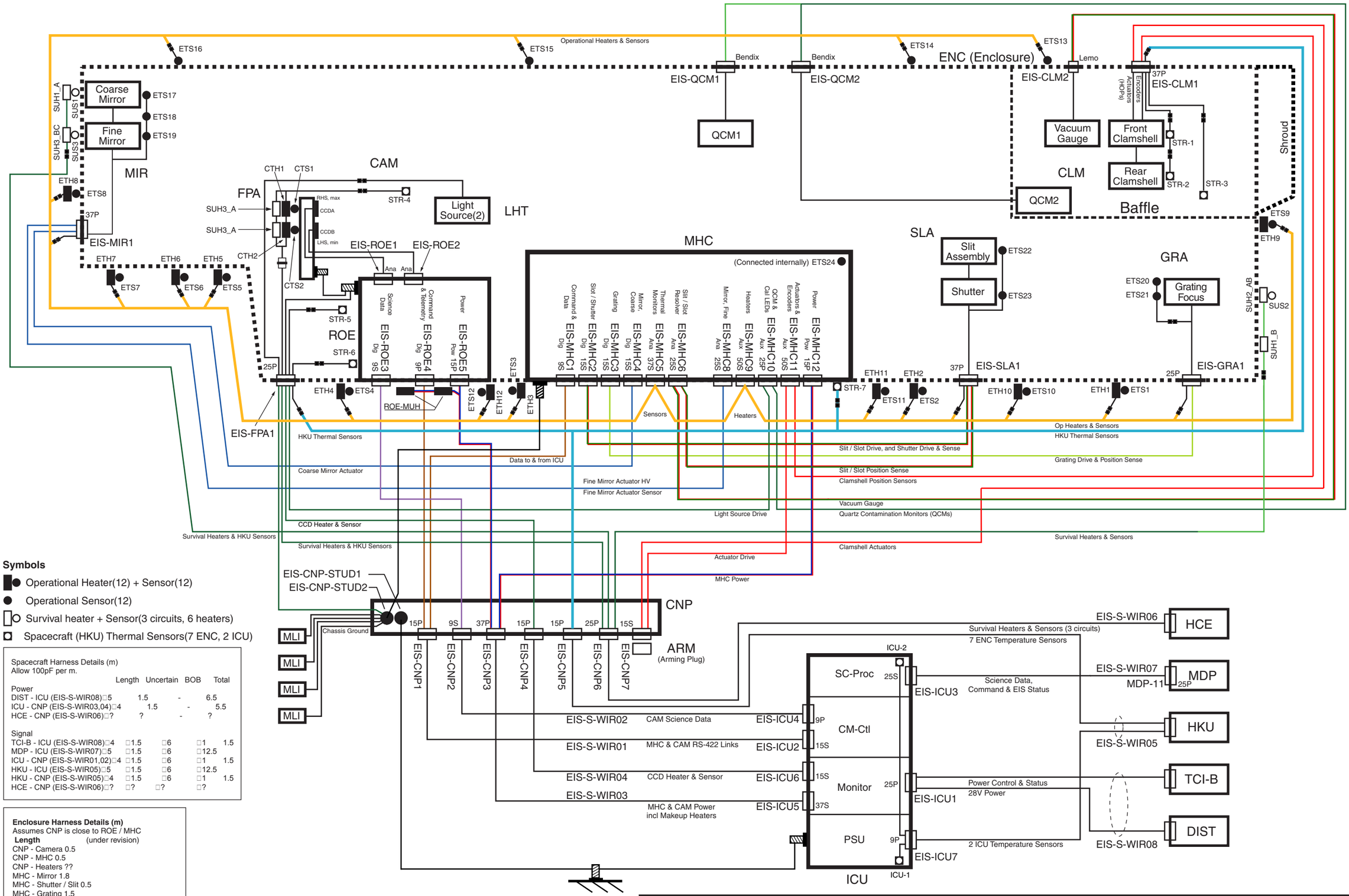

Symbols

- Operational Heater(12) + Sensor(12)
- Operational Sensor(12)
- Survival heater + Sensor(3 circuits, 6 heaters)
- Spacecraft (HKU) Thermal Sensors(7 ENC, 2 ICU)

Spacecraft Harness Details (m)
Allow 100pF per m.

	Length	Uncertain	BOB	Total
Power				
DIST - ICU (EIS-S-WIR08)□5	1.5	-	6.5	
ICU - CNP (EIS-S-WIR03,04)□4	1.5	-	5.5	
HCE - CNP (EIS-S-WIR06)□?	?	-	?	
Signal				
TCI-B - ICU (EIS-S-WIR08)□4	□1.5	□6	□1	1.5
MDP - ICU (EIS-S-WIR07)□5	□1.5	□6	□12.5	
ICU - CNP (EIS-S-WIR01,02)□4	□1.5	□6	□1	1.5
HKU - ICU (EIS-S-WIR05)□5	□1.5	□6	□12.5	
HKU - CNP (EIS-S-WIR05)□4	□1.5	□6	□1	1.5
HCE - CNP (EIS-S-WIR06)□?	□?	□?	□?	

Enclosure Harness Details (m)
Assumes CNP is close to ROE / MHC
Length (under revision)
CNP - Camera 0.5
CNP - MHC 0.5
CNP - Heaters ??
MHC - Mirror 1.8
MHC - Shutter / Slit 0.5
MHC - Grating 1.5
MHC - Clamshell 1.0
MHC - Launchlock 1.7
MHC - Light Source 1.0
MHC - QCM1 0.3
MHC - QCM2 0.5
MHC - Vac gauge 1.0

CCD LHS & RHS are viewed from the direction of the grating.

For PM & FM:
EIS-S-WIRnn cables except EIS-S-WIR02 provided by J system.
ENC and CNP cables & EIS-S-WIR02 provided by MSSL.
(Not all cables are required for PM)

Changes: 01 First issue. 02 Further details added.
03 EIS-S-WIR05 split into two. EIS-ICU7 now D-type. Details added. (external cabling complete)
04 Major revision. CNP2, CNP6, ICU4 size changed. ICU re-arranged. Status mons removed. MHC & CAM connectors added. Names added.
05 Major redraw. Actual placement of objects. ENC connectors organised.
06 Harness grouping defined, vacuum gauge connector changed.
07 MIR/GRA survival heaters/sensors moved outside structure. SYMBOLS text correction - : 6 heaters. Heater/sensor names as in BU/SLB-EIS/TN021. Harness colour change
08 Correction of sensor names. Deleted Launch Lock. Moved position of STR7, ETS24, QCM2.
09 Modified colour scheme. SUH names
Author: R. A. Chaudery File: Cabe diag-DD08-09.ai

Solar-B EIS

Cables & Connectors

MSSL/SLB/EIS/DD/008.09 1-Mar-03