

02/02/2022 19:11 Ver. 4.19.0.13 running.

EVENT: 19:11:18 : CAS 31-0-31: Printer application ver. 4.19.0.13 started.
INKSERVO: Updating thermistor status.

Initting Pump Timing
Initting Carriage Initialization
Initting Gantry Initialization
Initting Lamp control
Initting Stepper Controller
Initting Motion Monitor
Initting R2R Controller task

HWIF: Warning: Unavailable interrupt(s) requested: 0x20000000

Initting RFID Monitor

Initting R2R Platen

Thread 'Hardware thread' (NT Thread 0x0000088C) has started.

Seq. State Changed from 100 to 163.

HWIF: Warning: Unavailable interrupt(s) requested: 0x00003c0f

HWIF: Warning: Unavailable interrupt(s) requested: 0x22400000

HWIF: Warning: Unavailable interrupt(s) requested: 0x01980000

SC_INT : 1, 1, 1, 0

Seq. State Changed from 163 to 102.

EVENT: 19:11:18 : CAS 31-0-39: Hardware initializing 0 0

HXL:Link 2 SPI phase detection succeeded. Phase = -1.

HXL:Link 3 SPI phase detection succeeded. Phase = -1.

EVENT: 19:11:21 : CAS 31-0-57: Data backup initialization completed.

Seq. State Changed from 102 to 103.

EVENT: 19:11:21 : CAS 27-0-53: Periodic maintenance reminder changed (DWM = 123), (0=Off, 1=On): 1, 1.

Loading firmware from D:\bin\Firmware\Arizona360XT\

Seq. State Changed from 103 to 164.

Adding media 114(papier normal 1papier brilland1600 1). Active 114

Shutter bit, lamp 1 = 0

Shutter bit, lamp 0 = 0

FPGA:VP7 is detected on Data Relay card.

Set jtag chain select value = 0x0

ar30_getFlashInterface link 1 chain 0

Adding media 116(maille 1020 1). Active 116

Adding media 117(maille 1000). Active 117

Adding media 118(maille 1000 1). Active 118

Adding media 120(Default Media 460). Active 120

Adding media 121(Default Media 1). Active 121

Adding media 122(Default Media 2000). Active 122

Adding media 123(Default Media 1 1). Active 123

Adding media 124(roll up). Active 124

Adding media 126(multi fix camel). Active 126

FPGA:Link 1 run time code revision is carriage_link_1.1.3_sf

Adding media 127(stratader). Active 127

Adding media 129(regulus). Active 129

Adding media 131(mash 160). Active 131

Adding media 134(roll up 1). Active 134

JTAG:Reloading from link 1,offset 0.

Adding media 142(esy dot 1). Active 142

Adding media 143(cerada avery 1050). Active 143

Adding media 144(cerada avery 1600). Active 144

Adding media 146(cerada avery 1600). Active 146

Adding media 147(cerada avery 1600). Active 147

Adding media 148(cerada avery 1600). Active 148

Adding media 149(cerada avery 1600). Active 149

Adding media 150(cerada avery 1600). Active 150

Adding media 151(cerada avery 1600). Active 151

Adding media 152(cerada avery 1600). Active 152

Adding media 153(cerada avery 1600 1). Active 153

Adding media 154(cerada avery 1620). Active 154

Adding media 155(cerada avery 1600g0renje). Active 155
Adding media 156(cerada avery 1600g0renje 1). Active 156
Adding media 157(cerada avery 1620 g0renje 3). Active 157
Adding media 159(blubackpapier1370). Active 159
Adding media 160(blubackpapier1370). Active 160
Adding media 161(cerada avery 1600g0renje). Active 161
Adding media 162(cerada avery 1600 tekstil). Active 162
Adding media 163(cerada avery 1600 nik). Active 163
Adding media 164(blubackpapier1370). Active 164
Adding media 165(cerada avery 1600g0renje 2). Active 165
Adding media 166(cerada avery 1600g0renje). Active 166
FPGA:Link 1 Program/Verify/Reload done.
Adding media 167(papier f0lija 1600). Active 167
Adding media 168(blubackpapier1370 cacko). Active 168
Adding media 169(blubackpapier1370 cacko 1). Active 169
Adding media 170(blubackpapier1370 cacko). Active 170
Adding media 171(cerada avery 1520). Active 171
Adding media 172(cerada avery 1520). Active 172
Adding media 173(cerada avery 1600g0renjemash). Active 173
Adding media 174(cerada avery 1520 nik). Active 174
Adding media 175(cerada avery 1620 g0renje 4). Active 175
Adding media 176(blubackpapier1620). Active 176
Adding media 177(blubackpapier1620 1). Active 177
Adding media 178(cerada avery1370 karas). Active 178
Adding media 179(cerada avery1370 karas). Active 179
Adding media 180(roll up 2). Active 180
Adding media 181(cerada avery 2200). Active 181
Adding media 182(papir kroj 1620). Active 182
Adding media 183(blubackpapier1370 1). Active 183
Adding media 184(Default Media). Active 184
Getting test prints from D:\bin\TestImages\Arizona360XTW.
Getting test prints from D:\bin\TestImages\Common.
Getting test prints from F:\JobControl\User\Ref.
Test print dir F:\JobControl\User\Ref2\Arizona360XT doesn't exist.
TP INIT!
TP: index: 0, name: Diagonal Alignment.
TP: index: 1, name: Head Alignment Gantry Direction 1.
TP: index: 2, name: Head Alignment Gantry Direction 2.
TP: Narrow NC on index: 3.
TP: index: 3, name: Nozzle Check - Narrow.
TP: index: 4, name: Nozzle Check - White.
TP: Normal NC on index: 5.
TP: index: 5, name: Nozzle Check.
TP: index: 6, name: Origin Alignment - Magnetic Overlay.
TP: index: 7, name: Scanner Alignment - CMYK Only.
TP: index: 8, name: Scanner Alignment - CMYKW.
TP: index: 9, name: Scanner Alignment Angular.
TP: index: 10, name: Scanner Alignment Fine - HD - RMO.
TP: index: 11, name: Scanner Alignment Fine - HD.
TP: index: 12, name: Scanner Alignment Fine.
TP: index: 13, name: Transparency Placement Template.
TP: index: 14, name: 120 inch Ruler - XT Full Height.
TP: index: 15, name: 1250 mm Ruler - XT Zone 2.
TP: index: 16, name: 2500 mm Ruler - XT Zone 2.
TP: index: 17, name: 3050 mm Ruler - XT Full Height.
TP: index: 18, name: 48 inch Ruler - XT Zone 2.
TP: index: 19, name: 96 inch Ruler - XT Zone 2.
TP: index: 20, name: 1250 mm Ruler.
TP: index: 21, name: 2500 mm Ruler.
TP: index: 22, name: 48 inch Ruler.
TP: index: 23, name: 96 inch Ruler.
TP: index: 24, name: Media Advance Correction Factor.
TP: index: 25, name: Print-Exercise.
TP: index: 26, name: Printhead-Gantry-Direction-Alignment_Base.

TP: index: 27, name: Ship Print - Fine Art.
TP: index: 28, name: Ship Print - Production.
TP: index: 29, name: Ship Print - Quality Layered Black Undercoat.
TP: index: 30, name: Ship Print - Quality Layered.
TP: index: 31, name: Ship Print - Quality.
TP: index: 32, name: Ship Print RMO - Fine Art.
TP: index: 33, name: Ship Print RMO - Production.
TP: index: 34, name: Ship Print RMO - Quality.
Thread 'PRINT CONTROLLER' (NT Thread 0x000008CC) has started.
Checking machine configuration table
Machine configuration table too small or not complete
Machine configuration module not valid?
Thread 'INPUT' (NT Thread 0x000008D0) has started.
Thread 'Swathmaker' (NT Thread 0x000008D4) has started.
HWIF: Warning: Unavailable interrupt(s) requested: 0x000200e0
Warning: Unexpected message to thread 'Swathmaker' = 0x0, wParam = 0x0, lParam = 0x0
HXL:Link 2 SPI phase detection succeeded. Phase = -1.
ar30_getFlashInterface link 2 chain 0
FPGA:Link 2 run time code revision is gantry_2.1.3.dcmotor_sf
JTAG:Reloading from link 2,offset 0.
FPGA:Link 2 Program/Verify/Reload done.
HXL:Link 3 SPI phase detection succeeded. Phase = -1.
ar30_getFlashInterface link 3 chain 0
FPGA:Link 3 run time code revision is system_spi_5.0.7_sf
JTAG:Reloading from link 3,offset 0.
FPGA:Link 3 Program/Verify/Reload done.
ar30_getFlashInterface link 4 chain 0
FPGA:Link 4 run time code revision is roll2roll_1.0.5_bow_correction
JTAG:Reloading from link 4,offset 0.
FPGA:Link 4 Program/Verify/Reload done.
ar30_getFlashInterface link 0 chain 0
FPGA:Link 0 run time code revision is Data_Relay_1.0.10.rfidall_jtag
JTAG:Reloading from link 0,offset 0.
FPGA:Link 0 Program/Verify/Reload done.
HXL:Link 2 SPI phase detection succeeded. Phase = -1.
HXL:Link 3 SPI phase detection succeeded. Phase = -1.
Colour 0: interlock reg: 21
Colour 1: interlock reg: 1a
Colour 2: interlock reg: 13
Colour 3: interlock reg: 28
Colour 4: interlock reg: 4
Enabling Oce lamps
Initting RFID polling
EVENT: 19:11:32 : CAS 31-0-39: Hardware initializing 0 2
EVENT: 19:11:32 : CAS 31-0-39: Hardware initializing 14 0
Oce RFID board detected
GANTRYINIT: dual gantry.
Ready to start initializing motion params...
MOTION: Number of servo motors: 5.
MOTION: Innitting motion for brushed carriage drive
MOTION: Loading PowerPC executable:
D:\bin\Firmware\Arizona360XT\PowerPC_6.0.1.elf
MOTION: Boot loader successfully loaded PowerPC application.
MOTION: Wait for PowerPC to be ready for communication
=====Ready!
MOTION: Capstan encoder res = 96838.151995 counts/in
MOTION: Dancer encoder res = 1078.009481 counts/in
MOTION: Dual gantry drive.
MOTION: Lamp type = 2
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0xC000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage Board keep alive.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x3000000,System

Control = 0xC0000000, Roll to Roll = 0xC00000
INTERRUPT: Gantry Board keep alive.
INTERRUPT: System Control Board keep alive.
INTERRUPT: R2R board keep alive.
Motion params initialized successfully.
MOTION: Set motor 0 duty threshold: 400; time threshold: 20
MOTION: Set motor 1 duty threshold: 650; time threshold: 100
MOTION: Set motor 2 duty threshold: 650; time threshold: 100
Seq. State Changed from 164 to 104.
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
EVENT: 19:11:38 : CAS 27-0-27: Ink tag good (CMYKW = 01234;
OD,KO,WT,KI,OD2,KO2,BL,KN,GF,HAI = 1,2,3,4,5,6,7,8,9,10): Clr 0, BN 880515, Type
8.
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
Lamp system state changed from 5 -> 0. Last Sys state = 5
EVENT: 19:11:38 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Init to On.
InkServo - Turning ON clr 0.
InkServo - Clr 1 not ready for servo ON (0, 0)
InkServo - Clr 2 not ready for servo ON (0, 0)
InkServo - Clr 3 not ready for servo ON (0, 0)
InkServo - Clr 4 not ready for servo ON (0, 0)
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Changing target temperature from 47.000000 to 45.000000.
Thermistor status init: 0x3FC, 0x3.
HWIF: Received following heat servo parameters:
coolantLowTimeout = 5000
reservoirOverTemp = 10.00
tempRiseRate = 0.05
tempRisePeriod = 60000
tempRiseCutoff = 1.00
tempDropoff = 5.00
thermistorLogicEnabled = 1
temperatureHeadUsed = 4
thermistorLogicMaxDeviation = 2.000
head 0 thermistorStatus = 2
head 1 thermistorStatus = 2
head 2 thermistorStatus = 0
head 3 thermistorStatus = 1
head 4 thermistorStatus = 0
head 5 thermistorStatus = 0
head 6 thermistorStatus = 0
head 7 thermistorStatus = 1
head 8 thermistorStatus = 0
head 9 thermistorStatus = 0
INKSERVO: Updating thermistor status.
Coolant heater switched on
Seq. State Changed from 104 to 139.
EVENT: 19:11:38 : CAS 31-0-39: Hardware initializing 1 2
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
InkServo - Tag good - enable clr 1.
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Clr 2 not ready for servo ON (0, 0)
InkServo - Clr 3 not ready for servo ON (0, 0)

InkServo - Clr 4 not ready for servo ON (0, 0)
MC - Set ink bag SN on 1: cur = 16142028066139417782, last = 16142028066139417782, new = 16142028066139417782.
EVENT: 19:11:38 : CAS 27-0-27: Ink tag good (CMYKW = 01234; OD,KO,WT,KI,OD2,KO2,BL,KN,GF,HAI = 1,2,3,4,5,6,7,8,9,10): Clr 1, BN 877942, Type 8.
Flags on clr 0 changed: 0 -> 8.
Flags on clr 1 changed: 0 -> 8.
Flags on clr 2 changed: 0 -> 8.
Flags on clr 3 changed: 0 -> 8.
Flags on clr 4 changed: 0 -> 94.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
Pressure servo: setting level to 12.000000
EVENT: 19:11:38 : CAS 27-0-13: Ink heat servo state change 1
Lamp system state changed from 0 -> 3. Last Sys state = 0
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
MC - Set ink bag SN on 2: cur = 16142028066139488370, last = 16142028066139488370, new = 16142028066139488370.
EVENT: 19:11:38 : CAS 27-0-27: Ink tag good (CMYKW = 01234; OD,KO,WT,KI,OD2,KO2,BL,KN,GF,HAI = 1,2,3,4,5,6,7,8,9,10): Clr 2, BN 886833, Type 8.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System Control = 0xC0000,Roll to Roll = 0x0
INTERRUPT: Gantry PWM fault.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0xC0000,System Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage PWM fault.
Ink timeout check: Time = 100.359000
 Target = 0.000000
 Temp = 42.271558
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x30000,System Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Gantry Board relay tripped.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System Control = 0x30000,Roll to Roll = 0x0
INTERRUPT: System Control Board relay tripped.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x30000,System Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Gantry Board relay tripped.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System Control = 0x30000,Roll to Roll = 0x0
INTERRUPT: System Control Board relay tripped.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x30000,System Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Gantry Board relay tripped.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
EVENT: 19:11:38 : CAS 27-0-27: Ink tag good (CMYKW = 01234; OD,KO,WT,KI,OD2,KO2,BL,KN,GF,HAI = 1,2,3,4,5,6,7,8,9,10): Clr 3, BN 885673, Type 8.
MC - Set ink bag SN on 3: cur = 16142028066174759399, last = 16142028066174759399, new = 16142028066174759399.
Seq. State Changed from 135 to 136.
EVENT: 19:11:38 : CAS 31-0-39: Hardware initializing 3 0

Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type on 4. Type plugged 8
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
MC - Set ink bag SN on 4: cur = 16142028066125562692, last = 16142028066125562692, new = 16142028066125562692.
EVENT: 19:11:38 : CAS 27-0-27: Ink tag good (CMYKW = 01234; OD,KO,WT,KI,OD2,KO2,BL,KN,GF,HAI = 1,2,3,4,5,6,7,8,9,10): Clr 4, BN 887408, Type 8.
Flags on clr 4 changed: 94 -> 126.
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last = 16142028066139417917, new = 16142028066139417917.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last = 16142028066139417782, new = 16142028066139417782.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last = 16142028066139488370, new = 16142028066139488370.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last = 16142028066174759399, new = 16142028066174759399.
UI Machine State changed from 0 to 1.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last = 16142028066125562692, new = 16142028066125562692.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System Control = 0xC0000, Roll to Roll = 0x0
INTERRUPT: Gantry PWM fault.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0xC0000,System Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Carriage PWM fault.
CR Guard changed from 0 to 1.
CR Guard changed from 1 to 0.
EVENT: 19:11:47 : CAS 31-0-39: Hardware initializing 3 2
UI Machine State changed from 1 to 0.
EVENT: 19:11:47 : CAS 31-0-39: Hardware initializing 2 0
UI Machine State changed from 0 to 2.
CR Guard changed from 0 to 1.
CR Guard changed from 1 to 0.
Seq. State Changed from 136 to 108.
EVENT: 19:11:53 : CAS 31-0-39: Hardware initializing 2 2
UI Machine State changed from 2 to 0.
CR Guard changed from 0 to 1.
CR Guard - Motor servo disabled.**InkServo** - Turning OFF clr 0.
InkServo - Turning OFF clr 1.

InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Ink heat cooldown requested at time 115765
EVENT: 19:11:54 : CAS 27-0-16: Starting ink cooldown.
Coolant heater switched off
Safety - stopping carriage move.
EVENT: 19:11:54 : CAS 27-0-14: Carriage safety switch status changed. State: 1
HWIF: z1 = -1, z2 = -2
Safety - moving carriage up to 51263.
EVENT: 19:11:54 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 0 to 16.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
Flags on clr 4 changed: 126 -> 90.
Disabling Degas. Servo mode = 1.
EVENT: 19:11:54 : CAS 27-0-13: Ink heat servo state change 0
Seq 1 Failed: Gantry toggle state: 1, 0.
STEPPER: Error! Not initialized yet.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 19:12:01 : CAS 27-0-14: Carriage safety switch
status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 0 to 1.
EVENT: 19:12:02 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 19:12:03 : CAS 27-0-14: Carriage safety switch
status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
CR Guard changed from 0 to 1.
EVENT: 19:12:04 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 19:12:04 : CAS 27-0-14: Carriage safety switch
status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 0 to 1.
EVENT: 19:12:04 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 19:12:05 : CAS 27-0-14: Carriage safety switch
status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 0 to 1.
EVENT: 19:12:05 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 19:12:05 : CAS 27-0-14: Carriage safety switch
status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetEVENT: 19:12:12 : CAS 27-0-12: E-Stop status changed.
State: 0

InkServo - Init to On.
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
Interlock: Gantry toggle state: 1, 0.
InkServo - Ink Servo and White Recirc ON.
UI Machine State changed from 16 to 0.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
HWIF: Received following heat servo parameters:
coolantLowTimeout = 5000
reservoirOverTemp = 10.00
tempRiseRate = 0.05
tempRisePeriod = 60000
tempRiseCutoff = 1.00
tempDropoff = 5.00
thermistorLogicEnabled = 1
temperatureHeadUsed = 4
thermistorLogicMaxDeviation = 2.000
head 0 thermistorStatus = 2
head 1 thermistorStatus = 2
head 2 thermistorStatus = 0
head 3 thermistorStatus = 1
head 4 thermistorStatus = 0
head 5 thermistorStatus = 0
head 6 thermistorStatus = 0
head 7 thermistorStatus = 1
head 8 thermistorStatus = 0
head 9 thermistorStatus = 0
INKSERVO: Updating thermistor status.
Coolant heater switched on
Seq. State Changed from 108 to 139.
EVENT: 19:12:12 : CAS 31-0-39: Hardware initializing 1 2
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Flags on clr 4 changed: 90 -> 126.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
Pressure servo: setting level to 12.000000
EVENT: 19:12:12 : CAS 27-0-13: Ink heat servo state change 1
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Seq. State Changed from 135 to 136.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0, System
Control = 0xC0000, Roll to Roll = 0x0

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INTERRUPT: Gantry PWM fault.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0xC0000,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage PWM fault.
Seq. State Changed from 136 to 108.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 19:12:12 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: limit switch 1 = 1, limit switch 2 = 1
STEPPER: Move both steppers down to clear the limit switch.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
Ink timeout check: Time = 134.609000
                    Target = 0.000000
                    Temp = 41.909083
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
STEPPER: reset both encoders to 0.
STEPPER: Move both steppers up by max travel distance after clearing.
STEPPER: before forcing to stop, enc1 = 4821, enc2 = 4823.
STEPPER: stop both after seeing the limit switches.
MOTION: Stepper #0 tripping encoder: 4101
MOTION: Stepper #1 tripping encoder: 4095
STEPPER: after stopping, enc1 = 4823, enc2 = 4824.
STEPPER: stepper 1 enc: 4823, stepper 2 enc: 4824
STEPPER: Reset stepper enc 1 to: 31722
STEPPER: Reset stepper enc 2 to: 31729, adjust 2 by: -7 cnts, -6 steps
STEPPER: adjust stepper 2.
STEPPER: initialization done.
Seq. State Changed from 112 to 106.
EVENT: 19:12:18 : CAS 31-0-39: Hardware initializing 4 2
EVENT: 19:12:18 : CAS 31-0-39: Hardware initializing 5 0
Carriage Initialization: message to init
HARDWARE: Servo param name: CarriageDefault
Servo params:
kp          0.800000
ki          0.008000
kd          20.000000
limitP     100000
limitI     100000
limitD     100000
kaf        300.000000
kvf        0.000000
kseed      0.000000
extraStep  0
bitShift   4
integration mode 1
CRGINIT: Carriage in the magnet zone.
CRGINIT: Move carriage out of limit switch zone with init slew speed.
```

Seq. State Changed from 106 to 110.
CRGINIT: Move to the limit switch zone with speed of 0.30 ips.
CRGINIT: Carriage stops. Limit switch tripping enc: -15660
CRGINIT: current encoder reading: -15557
CRGINIT: current encoder reading: -15557
CRGINIT: current encoder reading: -15557
CRGINIT: current encoder reading: -15558
CRGINIT: current encoder reading: -15557
CRGINIT: reset encoder to: 103
CRGINIT: Carriage motion has been initialized successfully.
EVENT: 19:12:23 : CAS 31-0-39: Hardware initializing 5 2
Seq. State Changed from 110 to 125.
HARDWARE: Moving carriage: position = 0, speed = 10, accel = 20, decel = 20,
rampType = 2.
HARDWARE: Servo param name: CarriageDefault
Servo params:
kp 0.800000
ki 0.008000
kd 20.000000
limitP 100000
limitI 100000
limitD 100000
kaf 300.000000
kvf 0.000000
kseed 0.000000
extraStep 0
bitShift 4
integration mode 1
Seq. State Changed from 125 to 170.
Seq. State Changed from 170 to 107.
Gantry Initialization: message to init
EVENT: 19:12:24 : CAS 31-0-39: Hardware initializing 7 0
HARDWARE: Servo param name: GantrySlew
Servo params:
kp 3.000000
ki 0.030000
kd 10.000000
limitP 350
limitI 100000
limitD 100000
kaf 500.000000
kvf 0.000000
kseed 0.000000
extraStep 1000
bitShift 4
integration mode 1
GANTRYINIT: Reset gantry encoder(s) to 0.
GANTRYINIT: Move out of the limit switch zone.
Seq. State Changed from 107 to 111.
GANTRYINIT: Move to the limit switch zone with speed of 0.30 ips.
GANTRYINIT: Gantry tripping encoders: 16856, 7454
GANTRYINIT: Gantry at home ... Encoders: 7149, 6984
GANTRYINIT: Gantry at home ... Encoders: 7154, 6986
GANTRYINIT: Gantry at home ... Encoders: 7156, 6987
GANTRYINIT: Gantry at home ... Encoders: 7156, 6986
GANTRYINIT: Gantry at home ... Encoders: 7157, 6986
GANTRYINIT: Gantry offset: -54
GANTRYINIT: Reset gantry encoders to: -9699, -522
GANTRYINIT: Gantry motion has been initialized successfully.
GANTRYINIT: Gantry initialization done. Gantry servo on.
EVENT: 19:12:33 : CAS 31-0-39: Hardware initializing 7 2
Seq. State Changed from 111 to 128.
EVENT: 19:12:33 : CAS 31-0-39: Hardware initializing 6 0
Seq. State Changed from 128 to 172.

STEPPER: Set stepper target to 1209: counts.
STEPPER: current Z-Axis (stepper 1) location: 31722 target location: 1209
difference : 30513
STEPPER: servoing stepper 1 by: -25427 steps
STEPPER: current Z-Axis stepper 2 location: 31721 target location: 1209
difference : 30512
STEPPER: servoing stepper 2 by: -25427 steps
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
CR Z-axis move done. Target: 2000, Cur:2000.
EVENT: 19:12:49 : CAS 31-0-39: Hardware initializing 6 2
Seq. State Changed from 172 to 131.
HARDWARE: Moving gantry: displacement = 3.93701e-005, speed = 6, accel = 5,
decel = 5, rampType = 2.
HARDWARE: Servo param name: GantrySlew
Servo params:
kp 3.000000
ki 0.030000
kd 10.000000
limitP 350
limitI 100000
limitD 100000
kaf 500.000000
kvf 0.000000
kseed 0.000000
extraStep 1000
bitShift 4
integration mode 1
Seq. State Changed from 131 to 114.
EVENT: 19:12:49 : CAS 31-0-39: Hardware initializing 8 2
Seq. State Changed from 114 to 100.
Spit needs voltage on 0.
Spit needs voltage on 1.
Spit needs voltage on 2.
Spit needs voltage on 3.
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Flags on clr 0 changed: 8 -> 10.
Flags on clr 1 changed: 8 -> 10.
Flags on clr 2 changed: 8 -> 10.
Flags on clr 3 changed: 8 -> 10.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for all heads.
UI Machine State changed from 0 to 5.
Seq done: Gantry toggle state: 1, 1.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 0.
Spitting clr: 0, head 4
Spitting clr: 0, head 5
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.

PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 0.
Spit time on 1.
Spitting clr: 1, head 6
Spitting clr: 1, head 7
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Head VOLTAGE needed for spit.
Spit releases voltage 1.
Spit time on 2.
Spitting clr: 2, head 8
Spitting clr: 2, head 9
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Head VOLTAGE needed for spit.
Spit releases voltage 2.
Spit time on 3.
Spitting clr: 3, head 2
Spitting clr: 3, head 3
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Head VOLTAGE needed for spit.
Spit releases voltage 3.
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Head VOLTAGE needed for spit.
Head VOLTAGE already enabled for 0x3ff heads.
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)

HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Seq. State Changed from 100 to 145.
R2R: New Pedal Mode: 0.
Seq. State Changed from 145 to 151.
Seq. State Changed from 151 to 150.
Seq. State Changed from 150 to 143.
Seq. State Changed from 143 to 126.
HARDWARE: Moving gantry: displacement = 0.173189, speed = 6, accel = 5, decel = 5, rampType = 2.
Seq. State Changed from 126 to 125.
HARDWARE: Moving carriage: position = 0, speed = 10, accel = 20, decel = 20, rampType = 2.
Seq. State Changed from 125 to 124.
HWIF: z1 = 1210, z2 = 1207
Seq. State Changed from 124 to 128.
Seq. State Changed from 128 to 172.
STEPPER: Set stepper target to 1209: counts.
CR Z-axis move done. Target: 2000, Cur:2000.
Seq. State Changed from 172 to 170.
Seq. State Changed from 170 to 152.
R2R: Stop both motors.
Seq. State Changed from 152 to 153.
Seq. State Changed from 153 to 109.
R2R: Stop both motors.
R2R: Roll-to-roll initialization in progress...
R2R: Rewind hold duty L = -9.00
HARDWARE: Servo param name: RewindDefault
Servo params:
kp 0.080000
ki 0.000000
kd 150.000000
limitP 100000
limitI 100000
limitD 100000
kaf 0.000000
kvf 0.000000
kseed 0.000000
extraStep 0
bitShift 6
integration mode 0
HARDWARE: Servo param name: UnwindDefault
Servo params:
kp 3.000000
ki 0.002000
kd 25.000000
limitP 100000
limitI 100000
limitD 100000
kaf 0.000000
kvf 0.000000
kseed 0.000000
extraStep 500
bitShift 6
integration mode 0
HARDWARE: Servo param name: RewindUncoupledDefault
Servo params:
kp 3.000000
ki 0.001000
kd 25.000000
limitP 700

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limitI      100000
limitD      10
kaf         0.000000
kvf         0.000000
kseed       0.000000
extraStep   0
bitShift    6
integration mode  0
HARDWARE: Servo param name: UnwindUncoupledDefault
Servo params:
kp          3.000000
ki          0.001000
kd          25.000000
limitP      700
limitI      100000
limitD      10
kaf         0.000000
kvf         0.000000
kseed       0.000000
extraStep   0
bitShift    6
integration mode  0
R2R: Rewind holding duty (init) = 0.0
EVENT: 19:13:20 : CAS 27-0-33: R2R media init state changed 0.
Seq. State Changed from 109 to 113.
R2R: Starting rotation of unwind at 0.053000 vel and 1.000000 accel
R2R: Lower dancer limit found at -1332.
R2R: Reset dancer encoder to 0.
R2R: DancerTarget = 1.338583 in
R2R: Feed system is idle. Starting rewind move.
R2R: Dancer reaches target position.
R2R: Rewind diameter from initialization: 86.273754
R2R: Rewind holding duty = -9.7
R2R: Starting rotation of unwind at 0.053000 vel and 1.000000 accel
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x3000000
INTERRUPT: R2R misc status.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x3000000
INTERRUPT: R2R misc status.
R2R: Unwind diameter from initialization: 86.629053
R2R: Moving Dancer to 1.338583 inches.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x3000000
INTERRUPT: R2R misc status.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x3000000
INTERRUPT: R2R misc status.
R2R: Dancer holding at position.
R2R: Initialization completed.
R2R Initialized!.
Seq. State Changed from 113 to 145.
R2R: New Pedal Mode: 3.
Seq. State Changed from 145 to 160.
Seq. State Changed from 160 to 100.
EVENT: 19:13:40 : CAS 27-0-33: R2R media init state changed 2.
Seq done: Gantry toggle state: 1, 1.
High pump duty cycle for pressure servo 2. Mode = 1. Setpoint = 12.000000.
Could not reach pressure for servo 2. Mode = 0. Pressure = 0.159341. Setpoint =
12.000000. Disabling
EVENT: 19:14:32 : CAS 05-5-04: Ink Bay System: Error - Degas pump duty cycle
high (100 percent).
EVENT: 19:14:32 : CAS 05-5-05: Ink Bay System: Error - Degas vacuum level low
(0.159341 psi).

```

Degas error event 264 for 0. Currently 1. Params: Mode = 1, setpoint = 12.000000
Degas error event 265 for 0. Currently 1. Params: Mode = 1, setpoint = 12.000000
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
HWIF: Couldn't read ink tag
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
INTERRUPT: status DMA = 0x0, DRC = 0x0, Carriage = 0x4, Gantry = 0x0, System
Control = 0x0, Roll to Roll = 0x0

INTERRUPT: Unknown interrupt error count = 1.
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Lamp system state changed from 3 -> 0. Last Sys state = 3
Ink timeout check: Time = 434.906000
 Target = 41.959083
 Temp = 44.890244
Temperature setpoint achieved (or close enough)
EVENT: 19:17:13 : CAS 27-0-15: Ink heat servo has reached setpoint.
HWIF: Performing head thermistor test type 1
head 0 thermistorStatus = 2
head 1 thermistorStatus = 2
head 2 thermistorStatus = 0
head 3 thermistorStatus = 1
head 4 thermistorStatus = 0
head 5 thermistorStatus = 0
head 6 thermistorStatus = 0
head 7 thermistorStatus = 1
head 8 thermistorStatus = 0
head 9 thermistorStatus = 0
INKSERVO: Updating thermistor status.
INKSERVO: Performing thermistor check type 1.
Good heads = 6 Num of discarded heads = 0 Mean = 44.87 Block temp =54.56
Tolerance 10
Head 6 Temp 43.73 Status 0 UsedForAverage 1
Head 8 Temp 45.72 Status 0 UsedForAverage 1
Head 2 Temp 44.47 Status 0 UsedForAverage 1
Head 9 Temp 45.59 Status 0 UsedForAverage 1
Head 4 Temp 44.86 Status 0 UsedForAverage 1
Head 5 Temp 44.83 Status 0 UsedForAverage 1
Head 0 Temp 43.99 Status 2 UsedForAverage 0
Head 7 Temp 39.62 Status 1 UsedForAverage 0
Head 1 Temp 44.28 Status 2 UsedForAverage 0
Head 3 Temp 45.19 Status 1 UsedForAverage 0
EVENT: 19:17:13 : CAS 27-0-59: Printhead thermistor check completed (0=Cold, 1=Warm), (0=Success, 1=Fail, 2=Cancel): Check type 1, Check result 0.
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)

HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)

Setting swath width to 1ffea30
HWIF: Couldn't read ink tag
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)

Setting swath width to 1ffea30
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Turning the Home-Right lamp ON.
Turning the Away-Left lamp ON.
Lamp control: message to warm lamp 1
Lamp control: message to warm lamp 0
Lamp warmup, lamp 0
Lamp 0: Checking shutter open
Shutter detected not open
Lamp warmup, lamp 1
Lamp 1: Checking shutter open
Shutter detected not open
Lamp system state changed from 0 -> 2. Last Sys state = 0
Lamp 0: Checking shutter open
Lamp 0: shutter open, closing
Lamp 0: Checking shutter closed
Shutter detected not closed
Lamp 1: Checking shutter open
Lamp 1: shutter open, closing
Lamp 1: Checking shutter closed
Shutter detected not closed
Lamp 0: Checking shutter closed
Lamp 0: shutter closed
Lamp 0: power set to 6
Lamp 1: Checking shutter closed
Lamp 1: shutter closed
Lamp 1: power set to 6
Lamp 1: Struck in 2 s. Turning fans off.
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 4.

Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Lamp system state changed from 2 -> 3. Last Sys state = 2
Turning the Home-Right lamp ON.
Turning the Away-Left lamp ON.
Lamp control: message to warm lamp 1
Lamp control: message to warm lamp 0
Lamp warmup, lamp 0
Lamp 0: Checking shutter open
Shutter detected not open
Lamp warmup, lamp 1
Lamp 1: Checking shutter open
Shutter detected not open
Lamp system state changed from 3 -> 2. Last Sys state = 3
Lamp 0: Checking shutter open
Lamp 0: shutter open, closing
Lamp 0: Checking shutter closed
Shutter detected not closed
Lamp 1: Checking shutter open
Lamp 1: shutter open, closing
Lamp 1: Checking shutter closed
Shutter detected not closed
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Lamp 0: Checking shutter closed
Lamp 0: shutter closed
Lamp 0: power set to 6
Lamp 1: Checking shutter closed
Lamp 1: shutter closed
Lamp 1: power set to 6
Lamp 1: Struck in 1 s. Turning fans off.
Lamp system state changed from 2 -> 3. Last Sys state = 2
Turning the Home-Right lamp ON.
Turning the Away-Left lamp ON.
Lamp control: message to warm lamp 1
Lamp control: message to warm lamp 0
Lamp warmup, lamp 0
Lamp 0: Checking shutter open
Shutter detected not open
Lamp warmup, lamp 1
Lamp 1: Checking shutter open
Shutter detected not open
Lamp system state changed from 3 -> 2. Last Sys state = 3
Lamp 0: Checking shutter open
Lamp 0: shutter open, closing
Lamp 0: Checking shutter closed
Shutter detected not closed
Lamp 1: Checking shutter open
Lamp 1: shutter open, closing
Lamp 1: Checking shutter closed

Shutter detected not closed
Lamp 0: Checking shutter closed
Lamp 0: shutter closed
Lamp 0: power set to 6
Lamp 1: Checking shutter closed
Lamp 1: shutter closed
Lamp 1: power set to 6
Lamp 1: Struck in 1 s. Turning fans off.
Lamp system state changed from 2 -> 3. Last Sys state = 2
Turning the Home-Right lamp ON.
Turning the Away-Left lamp ON.
Lamp control: message to warm lamp 1
Lamp control: message to warm lamp 0
Lamp warmup, lamp 0
Lamp 0: Checking shutter open
Shutter detected not open
Lamp warmup, lamp 1
Lamp 1: Checking shutter open
Shutter detected not open
Lamp system state changed from 3 -> 2. Last Sys state = 3
Lamp 0: Checking shutter open
Lamp 0: shutter open, closing
Lamp 0: Checking shutter closed
Shutter detected not closed
Lamp 1: Checking shutter open
Lamp 1: shutter open, closing
Lamp 1: Checking shutter closed
Shutter detected not closed
Lamp 0: Checking shutter closed
Lamp 0: shutter closed
Lamp 0: power set to 6
Lamp 1: Checking shutter closed
Lamp 1: shutter closed
Lamp 1: power set to 6
Lamp 1: Struck in 6 s. Turning fans off.
Lamp system state changed from 2 -> 3. Last Sys state = 2
++++ Print state changed from 0 to 1.
Print state: Gantry toggle state: 1, 1.
UI Machine State changed from 5 to 6.
++++ Print state changed from 1 to 2.
Print state: Gantry toggle state: 1, 1.
++++ Print state changed from 2 to 3.
Print state: Gantry toggle state: 1, 1.
Waiting for vacuum 1.
UI Machine State changed from 6 to 6.
Turning the Home-Right lamp ON.
Turning the Away-Left lamp ON.
Lamp control: message to warm lamp 1
Lamp control: message to warm lamp 0
Lamp warmup, lamp 0
Lamp 0: Checking shutter open
Shutter detected not open
Lamp warmup, lamp 1
Lamp 1: Checking shutter open
Shutter detected not open
Lamp system state changed from 3 -> 2. Last Sys state = 3
Lamp 0: Checking shutter open
Lamp 0: shutter open, closing
Lamp 0: Checking shutter closed
Shutter detected not closed
Lamp 1: Checking shutter open
Lamp 1: shutter open, closing
Lamp 1: Checking shutter closed
Shutter detected not closed

Lamp 0: Checking shutter closed
Lamp 0: shutter closed
Lamp 0: power set to 6
Lamp 1: Checking shutter closed
Lamp 1: shutter closed
Lamp 1: power set to 6
Lamp system state changed from 2 -> 3. Last Sys state = 2
Turning the Home-Right lamp ON.
Turning the Away-Left lamp ON.
Lamp control: message to warm lamp 1
Lamp control: message to warm lamp 0
Lamp warmup, lamp 0
Lamp 0: Checking shutter open
Shutter detected not open
Lamp warmup, lamp 1
Lamp 1: Checking shutter open
Shutter detected not open
Lamp system state changed from 3 -> 2. Last Sys state = 3
Lamp 0: Checking shutter open
Lamp 0: shutter open, closing
Lamp 0: Checking shutter closed
Shutter detected not closed
Lamp 1: Checking shutter open
Lamp 1: shutter open, closing
Lamp 1: Checking shutter closed
Shutter detected not closed
Lamp 0: Checking shutter closed
Lamp 0: shutter closed
Lamp 0: power set to 6
Lamp 1: Checking shutter closed
Lamp 1: shutter closed
Lamp 1: power set to 6
Lamp 1: Struck in 2 s. Turning fans off.
Lamp system state changed from 2 -> 3. Last Sys state = 2
19:28 Timeout: R2R platen fans Off.
Turning the Home-Right lamp ON.
Turning the Away-Left lamp ON.
Lamp control: message to warm lamp 1
Lamp control: message to warm lamp 0
Lamp warmup, lamp 0
Lamp 0: Checking shutter open
Shutter detected not open
Lamp warmup, lamp 1
Lamp 1: Checking shutter open
Shutter detected not open
Lamp system state changed from 3 -> 2. Last Sys state = 3
Lamp 0: Checking shutter open
Lamp 0: shutter open, closing
Lamp 0: Checking shutter closed
Shutter detected not closed
Lamp 1: Checking shutter open
Lamp 1: shutter open, closing
Lamp 1: Checking shutter closed
Shutter detected not closed
Lamp 0: Checking shutter closed
Lamp 0: shutter closed
Lamp 0: power set to 6
Lamp 1: Checking shutter closed
Lamp 1: shutter closed
Lamp 1: power set to 6
Lamp 1: Struck in 6 s. Turning fans off.
Lamp system state changed from 2 -> 3. Last Sys state = 2
Turning the Home-Right lamp ON.
Turning the Away-Left lamp ON.

Lamp control: message to warm lamp 1
Lamp control: message to warm lamp 0
Lamp warmup, lamp 0
Lamp 0: Checking shutter open
Shutter detected not open
Lamp warmup, lamp 1
Lamp 1: Checking shutter open
Shutter detected not open
Lamp system state changed from 3 -> 2. Last Sys state = 3
Lamp 0: Checking shutter open
Lamp 0: shutter open, closing
Lamp 0: Checking shutter closed
Shutter detected not closed
Lamp 1: Checking shutter open
Lamp 1: shutter open, closing
Lamp 1: Checking shutter closed
Shutter detected not closed
Lamp 0: Checking shutter closed
Lamp 0: shutter closed
Lamp 0: power set to 6
Lamp 1: Checking shutter closed
Lamp 1: shutter closed
Lamp 1: power set to 6
Lamp system state changed from 2 -> 3. Last Sys state = 2
Turning the Home-Right lamp ON.
Turning the Away-Left lamp ON.
Lamp control: message to warm lamp 1
Lamp control: message to warm lamp 0
Lamp warmup, lamp 0
Lamp 0: Checking shutter open
Shutter detected not open
Lamp warmup, lamp 1
Lamp 1: Checking shutter open
Shutter detected not open
Lamp system state changed from 3 -> 2. Last Sys state = 3
Lamp 0: Checking shutter open
Lamp 0: shutter open, closing
Lamp 0: Checking shutter closed
Shutter detected not closed
Lamp 1: Checking shutter open
Lamp 1: shutter open, closing
Lamp 1: Checking shutter closed
Shutter detected not closed
Lamp 0: Checking shutter closed
Lamp 0: shutter closed
Lamp 0: power set to 6
Lamp 1: Checking shutter closed
Lamp 1: shutter closed
Lamp 1: power set to 6
Lamp 0: Struck in 2 s. Turning fans off.
Lamp 1: Struck in 3 s. Turning fans off.
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA

HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Turning Table Vacuum 0: ON.
Turning Table Vacuum 1: ON.
UI Machine State changed from 6 to 6.
++++ Print state changed from 3 to 4.
Print state: Gantry toggle state: 1, 1.
++++ Print state changed from 4 to 5.
Print state: Gantry toggle state: 0, 1.
Config bleed requested: H = 0, A = 0.
PrintConfig Lamps: Lead 4, Trail 4, Selected 3.
Alignment data path: Swath.
PrintCtrlConfig - start of plot: FS = 1.181102.
Setting up masks for initial line offset calculation
Initial index is -659
keySwathStart=5; keySwathFit=-1; keySwathEnd=150; numPrintingSwaths=156
PrintCtrlConfig - start of plot: SS = 0.000000.
InkServo - Getting ready to print. White = 1
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
Printing job: "th-oz_BE4_110x125"
Motion start!. Targets: G: 359612, CR: 0, Z: 3600(1400), R2R: 0. Params: 1: 0,
2: 3, 3: 1
++++ Print state changed from 5 to 6.
Print state: Gantry toggle state: 0, 1.
UI Machine State changed from 6 to 9.
Flags on clr 0 changed: 10 -> 2.
Flags on clr 1 changed: 10 -> 2.
Flags on clr 2 changed: 10 -> 2.
Flags on clr 3 changed: 10 -> 2.
Flags on clr 4 changed: 126 -> 54.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for all heads.
Not turning Home-Right lamp ON, 0, 1
Not turning Away-Left lamp ON, 0, 1
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.

Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
EVENT: 19:29:07 : CAS 31-0-36: Waiting for UV lamps: 1.
Seq. State Changed from 100 to 175.
UI Machine State changed from 9 to 7.
EVENT: 19:29:07 : CAS 31-0-40: Waiting for ink temperature: 1.
Lamp 1 burnt in 41 s. Setting to low power and turning on fans. Register value 0
Lamp 0 burnt in 70 s. Setting to low power and turning on fans. Register value 0
Lamp system state changed from 2 -> 1. Last Sys state = 2
EVENT: 19:29:57 : CAS 31-0-36: Waiting for UV lamps: 0.
Seq. State Changed from 175 to 176.
UI Machine State changed from 7 to 8.
Seq. State Changed from 176 to 162.
EVENT: 19:29:57 : CAS 31-0-40: Waiting for ink temperature: 0.
UI Machine State changed from 8 to 9.
Seq. State Changed from 162 to 122.
Seq. State Changed from 122 to 170.
Seq. State Changed from 170 to 121.
Seq. State Changed from 121 to 170.
Seq. State Changed from 170 to 143.
Seq. State Changed from 143 to 124.
HWIF: z1 = 1210, z2 = 1207
Seq. State Changed from 124 to 120.
Seq. State Changed from 120 to 171.
STEPPER: Set stepper target to 2177: counts.
STEPPER: current Z-Axis (stepper 1) location: 1210 target location: 2177
difference : -967
STEPPER: servoing stepper 1 by: 806 steps
STEPPER: current Z-Axis stepper 2 location: 1207 target location: 2177
difference : -970
STEPPER: servoing stepper 2 by: 808 steps
CR Z-axis move done. Target: 3600, Cur:3601.
Seq. State Changed from 171 to 117.
HARDWARE: Moving gantry: displacement = 14.3666, speed = 6, accel = 5, decel =
5, rampType = 2.
Seq. State Changed from 117 to 170.
Seq. State Changed from 170 to 100.
Seq done: Gantry toggle state: 0, 1.
UI Machine State changed from 9 to 10.
++++ Print state changed from 6 to 7.
Print state: Gantry toggle state: 0, 1.
++++ Print state changed from 7 to 8.
Print state: Gantry toggle state: 0, 1.
EVENT: 19:30:05 : CAS 31-0-18: PrntCtrl started printing.
EVENT: 19:30:05 : CAS 31-0-66: UV lamp power used for the print: Leading lamp 4,
Trailing lamp 4.
EVENT: 19:30:05 : CAS 31-0-62: Started printing FB job.
Setting up masks
Setting up print controller
Head voltage key: HeadConfig\BL\Standard\CA4\White\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\White\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\Black\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\Black\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\Cyan\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\Cyan\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\Magenta\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\Magenta\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\Yellow\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\Yellow\Voltage
HARDWARE: Servo param name: GantryDefault
Servo params:
kp 5.000000
ki 0.050000
kd 25.000000

```

limitP          200
limitI          100000
limitD          100000
kaf             500.000000
kvf             0.000000
kseed           0.000000
extraStep       400
bitShift        4
integration mode 1
PRINTCTL: Requested horizontal print resolution = 222.81
  You're actually getting 222.81
PRINTCTL: Encoder counts per pixel = 38
PRINTCTL: Carriage speed = 37.700787
Head 0: T = 44.60, V = 22.05
Head 1: T = 44.99, V = 21.77
Head 2: T = 45.06, V = 23.08
Head 3: T = 45.79, V = 22.62
Head 4: T = 45.42, V = 23.04
Head 5: T = 45.45, V = 22.14
Head 6: T = 44.12, V = 22.78
Head 7: T = 39.95, V = 23.07
Head 8: T = 46.02, V = 21.30
Head 9: T = 45.89, V = 22.09
Setting up input module
Setting up swathmaker module
Initial index is -659
keySwathStart=5; keySwathFit=-1; keySwathEnd=150; numPrintingSwaths=156
SWATH: Swaths per buffer = 6
Output pixels per swath: 13504
Ideal lamp on and off positions
          Home lamp      Away lamp
Home limit    -106.98      -124.98
Away limit    -52.37       -70.37
Adjusted lamp on and off positions
          Home lamp      Away lamp
Home limit    -106.98      -124.98
Away limit    -52.37       -70.37
Fastscan travel limits:
Home: -131.22
Away: -45.71
Setting up hardware
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc168 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc2d0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc438 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc168 (16-bit word)
S_ImageDone: imageLineIndex = -650; linesToDo = 19527
PRINTCTL: Fastscan not at start. Bumping.
  Current position = 0.000000.
  Required position = -131.220472.
HARDWARE: Moving carriage: position = -131.22, speed = 37.7008, accel = 107,
decel = 120, rampType = 2.
Creating swath, imageLineIndex = -659; swathCounter = 0
  Image buffer = 10010020
  Valid data = 0
  Next to write = 0
Creating swath, imageLineIndex = -529; swathCounter = 1
  Image buffer = 10010020
  Valid data = 5470208
  Next to write = 5470208

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Creating swath, imageLineIndex = -399; swathCounter = 2
  Image buffer = 10010020
  Valid data = 10940416
  Next to write = 10940416
Creating swath, imageLineIndex = -269; swathCounter = 3
  Image buffer = 10010020
  Valid data = 16410624
  Next to write = 16410624
Creating swath, imageLineIndex = -139; swathCounter = 4
  Image buffer = 10010020
  Valid data = 21880832
  Next to write = 21880832
Creating swath, imageLineIndex = -9; swathCounter = 5
  Image buffer = 10010020
  Valid data = 27351040
  Next to write = 27351040
HARDWARE: Moving gantry: displacement = 0, speed = 5, accel = 10, decel = 10,
rampType = 2.
HARDWARE: Servo param name: GantryDefault
  Servo params:
    kp          5.000000
    ki          0.050000
    kd          25.000000
    limitP      200
    limitI      100000
    limitD      100000
    kaf         500.000000
    kvf         0.000000
    kseed       0.000000
    extraStep   400
    bitShift    4
    integration mode 1
Gantry position at start of flatbed job: 14.157953
Adjusted gantry origin: 15.599554
S_ImageDone: imageLineIndex = -650; linesToDo = 19527
S_ImageDone: imageLineIndex = -650; linesToDo = 19527
HXL: Setting write pointer to 0x00000000 (16-bit word)
Setting up download:
Buffer:          0x10010020
Offset:         0x00000000
Total size:     0x014dcf00
Block size:     0x00000000
Downloading: Buffer = 0x10010020
              Size = 0x014dcf00
HXL: Downloading 0x014dcf00 bytes using DMA
S_ImageDone: imageLineIndex = -650; linesToDo = 19527
S_ImageDone: imageLineIndex = -650; linesToDo = 19527
S_ImageDone: imageLineIndex = -650; linesToDo = 19527
Starting slow scan move
HARDWARE: Moving gantry: displacement = 0, speed = 5, accel = 5, decel = 5,
rampType = 2.
Total slowscan move time = 400
Fastscan start time = 1211978
Head 0: T = 44.57, V = 22.05
Head 1: T = 44.99, V = 21.77
Head 2: T = 45.03, V = 23.08
Head 3: T = 45.75, V = 22.63
Head 4: T = 45.36, V = 23.06
Head 5: T = 45.42, V = 22.14
Head 6: T = 44.09, V = 22.78
Head 7: T = 39.92, V = 23.08
Head 8: T = 45.99, V = 21.30
Head 9: T = 45.82, V = 22.10
Transfer of 0x014dcf00 bytes already in progress
```


gantry position = 14.157835

Wait time = 1849
Checking for continue, status = 1
Checking for download
Read pointer at 0x00000000
Buffer pointer at 0x114ee020
Downloaded: 0x00000000
Still to download: 0x014dcf00
Downloading: 0x00000000
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x200000, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage Board bad frame length.
INTERRUPT: Carriage Board link error count = 2.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt
Checking for continue, status = 1
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x114ee020
Downloaded: 0x00000000
Still to download: 0x014dcf00
Downloading: 0x01000000
Downloading: Buffer = 0x114ee020
Size = 0x01000000
HXL: Downloading 0x01000000 bytes using DMA
Wait time = 1849
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
Checking for continue, status = 2
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x114ee020
Downloaded: 0x01000000
Still to download: 0x004dcf00
Downloading: 0x00000000
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0xC00000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: End of swath.
PRINTCTL: Interrupt received: 20000
PRINTCTL: End of swath interrupt at carriage position = -58.361417
media position = 2.726535
gantry position = 14.157992
Checking for continue, status = 0
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x114ee020
Downloaded: 0x01000000
Still to download: 0x004dcf00
Downloading: 0x004dcf00
Downloading: Buffer = 0x124ee020
Size = 0x004dcf00
HXL: Downloading 0x004dcf00 bytes using DMA
Doing slow-scan advance to line index -520
S_ImageDone: imageLineIndex = -520; linesToDo = 19527
Starting slow scan move
HARDWARE: Moving gantry: displacement = 0.28832, speed = 5, accel = 10, decel =

gantry position = 14.446378

Wait time = 1849
Checking for continue, status = 1
Checking for download
Read pointer at 0x00000000
Buffer pointer at 0x129cc020
Downloaded: 0x00000000
Still to download: 0x014dcf00
Downloading: 0x00000000
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt
Checking for continue, status = 1
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x129cc020
Downloaded: 0x00000000
Still to download: 0x014dcf00
Downloading: 0x01000000
Downloading: Buffer = 0x129cc020
Size = 0x01000000
HXL: Downloading 0x01000000 bytes using DMA
Wait time = 1849
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
Checking for continue, status = 2
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x129cc020
Downloaded: 0x01000000
Still to download: 0x004dcf00
Downloading: 0x00000000
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0xC00000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: End of swath.
PRINTCTL: Interrupt received: 20000
PRINTCTL: End of swath interrupt at carriage position = -118.990669
media position = 2.726452
gantry position = 14.446299

Checking for continue, status = 0
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x129cc020
Downloaded: 0x01000000
Still to download: 0x004dcf00
Downloading: 0x004dcf00
Downloading: Buffer = 0x139cc020
Size = 0x004dcf00
HXL: Downloading 0x004dcf00 bytes using DMA
Doing slow-scan advance to line index -390
S_ImageDone: imageLineIndex = -390; linesToDo = 19527
Starting slow scan move
HARDWARE: Moving gantry: displacement = 0.288333, speed = 5, accel = 10, decel = 10, rampType = 2.
Total slowscan move time = 824
Fastscan start time = 1218011
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System

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Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
S_ImageDone: imageLineIndex = -390; linesToDo = 19527
Head 0: T = 44.51, V = 22.06
Head 1: T = 44.93, V = 21.78
Head 2: T = 44.96, V = 23.09
Head 3: T = 45.69, V = 22.64
Head 4: T = 45.29, V = 23.07
Head 5: T = 45.32, V = 22.16
Head 6: T = 44.02, V = 22.79
Head 7: T = 39.83, V = 23.09
Head 8: T = 45.82, V = 21.33
Head 9: T = 45.69, V = 22.13
Download complete
PrintCtl: Swath 2: configuring heads CBA
HXL: Setting read pointer to 0x01ffc168 (16-bit word)
INTERRUPT: status DMA = 0x0, DRC = 0x0, Carriage = 0x300000, Gantry = 0x0, System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
Setting up download:
Buffer:          0x13eaa020
Offset:         0x00000000
Total size:     0x014dcf00
Block size:     0x00000000
PRINTCTL: SDRAM bank switch interrupt
HWIF: About to call printSwath function.
      direction = forward, size = 21876480, start of plot = -118.976378, image
data width = 60.608504.
      carriage speed = 37.70.
      Lamp:      Home          Away
      On:        -113.39      -130.97
      Off:       -52.37       -70.37
      Shutter time: 320 ms
HARDWARE: Calling ar30 printSwath function.
Home lamp on: -2879992, off: -1330144
Away lamp on: -3326650, off: -1787344
Setting SOS comparator to ffd1e350
Setting EOS comparator to ffe960d1
Setting swath width to a6e780
HARDWARE: Moving carriage: position = -45.7087, speed = 37.7008, accel = 107,
decel = 120, rampType = 2.
PRINTCTL: Just called print swath with line index = -390.
Output semaphore released, previous count = 0
Creating swath, imageLineIndex = 381; swathCounter = 8
  Image buffer = 10010020
  Valid data = 27351040
  Next to write = 10940416
INTERRUPT: status DMA = 0x0, DRC = 0x0, Carriage = 0x30000000, Gantry = 0x0, System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Start of swath.
PRINTCTL: Interrupt received: 40
PRINTCTL: Start of swath interrupt at carriage position = -118.969370
                                          media position   = 2.726452
                                          gantry position    = 14.734567

Wait time = 1849
Checking for continue, status = 1
Checking for download
Read pointer at 0x00000000
Buffer pointer at 0x13eaa020
Downloaded: 0x00000000
Still to download: 0x014dcf00
Downloading: 0x00000000
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Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x200000, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage Board bad frame length.
INTERRUPT: Carriage Board link error count = 3.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt
Checking for continue, status = 1
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x13eaa020
Downloaded: 0x00000000
Still to download: 0x014dcf00
Downloading: 0x01000000
Downloading: Buffer = 0x13eaa020
Size = 0x01000000
HXL: Downloading 0x01000000 bytes using DMA
Wait time = 1849
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
Checking for continue, status = 2
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x13eaa020
Downloaded: 0x01000000
Still to download: 0x004dcf00
Downloading: 0x00000000
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0xC00000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: End of swath.
PRINTCTL: Interrupt received: 20000
PRINTCTL: End of swath interrupt at carriage position = -58.361535
media position = 2.726514
gantry position = 14.734646

Checking for continue, status = 0
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x13eaa020
Downloaded: 0x01000000
Still to download: 0x004dcf00
Downloading: 0x004dcf00
Downloading: Buffer = 0x14eaa020
Size = 0x004dcf00
HXL: Downloading 0x004dcf00 bytes using DMA
Doing slow-scan advance to line index -260
S_ImageDone: imageLineIndex = -260; linesToDo = 19527
Starting slow scan move
HARDWARE: Moving gantry: displacement = 0.288307, speed = 5, accel = 10, decel = 10, rampType = 2.
Total slowscan move time = 824
Fastscan start time = 1220917
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
S_ImageDone: imageLineIndex = -260; linesToDo = 19527

Head 0: T = 44.51, V = 22.06
 Head 1: T = 44.90, V = 21.78
 Head 2: T = 44.93, V = 23.10
 Head 3: T = 45.65, V = 22.64
 Head 4: T = 45.26, V = 23.07
 Head 5: T = 45.29, V = 22.16
 Head 6: T = 43.96, V = 22.81
 Head 7: T = 39.80, V = 23.10
 Head 8: T = 45.82, V = 21.33
 Head 9: T = 45.65, V = 22.13
 Download complete
 PrintCtl: Swath 3: configuring heads ABC
 HXL: Setting read pointer to 0x01ffc000 (16-bit word)
 INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
 Control = 0x0,Roll to Roll = 0x0
 INTERRUPT: Swath buffer bank change.
 PRINTCTL: Resetting read pointer 0
 PRINTCTL: SDRAM bank switch interrupt
 HXL: Setting read pointer to 0x00000000 (16-bit word)
 Bank switch interrupt NOT signalled just after resetting read pointer
 HXL: Setting write pointer to 0x00000000 (16-bit word)
 PRINTCTL: Interrupt received: 20
 PRINTCTL: SDRAM bank switch interrupt
 Setting up download:
 Buffer: 0x15388020
 Offset: 0x00000000
 Total size: 0x014dcf00
 Block size: 0x00000000
 HWIF: About to call printSwath function.
 direction = reverse, size = 21876480, start of plot = -118.976378, image
 data width = 60.608504.
 carriage speed = 37.70.

Lamp:	Home	Away
On:	-45.96	-63.96
Off:	-106.98	-124.98

 Shutter time: 320 ms
 HARDWARE: Calling ar30 printSwath function.
 Home lamp on: -2717200, off: -1167352
 Away lamp on: -3174400, off: -1624552
 Setting SOS comparator to ffe960d1
 Setting EOS comparator to ffd1e350
 Setting swath width to a6e780
 HARDWARE: Moving carriage: position = -131.22, speed = 37.7008, accel = 107,
 decel = 120, rampType = 2.
 PRINTCTL: Just called print swath with line index = -260.
 Output semaphore released, previous count = 0
 Creating swath, imageLineIndex = 511; swathCounter = 9
 Image buffer = 10010020
 Valid data = 27351040
 Next to write = 16410624
 INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x3000000,Gantry = 0x0,System
 Control = 0x0,Roll to Roll = 0x0
 INTERRUPT: Start of swath.
 PRINTCTL: Interrupt received: 40
 PRINTCTL: Start of swath interrupt at carriage position = -58.374409

media position	= 2.726555
gantry position	= 15.023071

 Wait time = 1849
 Checking for continue, status = 1
 Checking for download
 Read pointer at 0x00000000
 Buffer pointer at 0x15388020
 Downloaded: 0x00000000
 Still to download: 0x014dcf00

Downloading: 0x00000000
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt
Checking for continue, status = 1
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x15388020
Downloaded: 0x00000000
Still to download: 0x014dcf00
Downloading: 0x01000000
Downloading: Buffer = 0x15388020
Size = 0x01000000
HXL: Downloading 0x01000000 bytes using DMA
Wait time = 1849
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
Checking for continue, status = 2
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x15388020
Downloaded: 0x01000000
Still to download: 0x004dcf00
Downloading: 0x00000000
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0xC00000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: End of swath.
PRINTCTL: Interrupt received: 20000
PRINTCTL: End of swath interrupt at carriage position = -118.982717
media position = 2.726431
gantry position = 15.022953

Checking for continue, status = 0
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x15388020
Downloaded: 0x01000000
Still to download: 0x004dcf00
Downloading: 0x004dcf00
Downloading: Buffer = 0x16388020
Size = 0x004dcf00
HXL: Downloading 0x004dcf00 bytes using DMA
Doing slow-scan advance to line index -130
S_ImageDone: imageLineIndex = -130; linesToDo = 19527
Starting slow scan move
HARDWARE: Moving gantry: displacement = 0.28832, speed = 5, accel = 10, decel = 10, rampType = 2.
Total slowscan move time = 824
Fastscan start time = 1223824
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
S_ImageDone: imageLineIndex = -130; linesToDo = 19527
Head 0: T = 44.47, V = 22.06
Head 1: T = 44.86, V = 21.79
Head 2: T = 44.90, V = 23.11

Head 3: T = 45.59, V = 22.66
Head 4: T = 45.26, V = 23.07
Head 5: T = 45.26, V = 22.17
Head 6: T = 43.93, V = 22.81
Head 7: T = 39.77, V = 23.10
Head 8: T = 45.79, V = 21.34
Head 9: T = 45.62, V = 22.14
Download complete
PrintCtl: Swath 4: configuring heads CBA
HXL: Setting read pointer to 0x01ffc168 (16-bit word)
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Resetting read pointer 0
PRINTCTL: SDRAM bank switch interrupt
Bank switch interrupt NOT signalled just after resetting read pointer
HXL: Setting write pointer to 0x00000000 (16-bit word)
Setting up download:
Buffer: 0x16866020
Offset: 0x00000000
Total size: 0x014dcf00
Block size: 0x00000000
HWIF: About to call printSwath function.
direction = forward, size = 21876480, start of plot = -118.976378, image
data width = 60.608504.
carriage speed = 37.70.
Lamp: Home Away
On: -113.39 -130.97
Off: -52.37 -70.37
Shutter time: 320 ms
HARDWARE: Calling ar30 printSwath function.
Home lamp on: -2879992, off: -1330144
Away lamp on: -3326650, off: -1787344
Setting SOS comparator to ffd1e350
Setting EOS comparator to ffe960d1
Setting swath width to a6e780
HARDWARE: Moving carriage: position = -45.7087, speed = 37.7008, accel = 107,
decel = 120, rampType = 2.
PRINTCTL: Just called print swath with line index = -130.
Output semaphore released, previous count = 0
Creating swath, imageLineIndex = 641; swathCounter = 10
Image buffer = 10010020
Valid data = 27351040
Next to write = 21880832
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x30000000,Gantry = 0x0,System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Start of swath.
PRINTCTL: Interrupt received: 40
PRINTCTL: Start of swath interrupt at carriage position = -118.970472
media position = 2.726411
gantry position = 15.311181
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x30000000,Gantry = 0x0,System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt
Checking for continue, status = 1
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x16866020
Downloaded: 0x00000000
Still to download: 0x014dcf00
Downloading: 0x01000000

Downloading: Buffer = 0x16866020
Size = 0x01000000
HXL: Downloading 0x01000000 bytes using DMA
Wait time = 1849
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
Checking for continue, status = 2
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x16866020
Downloaded: 0x01000000
Still to download: 0x004dcf00
Downloading: 0x00000000
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0xC00000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: End of swath.
PRINTCTL: Interrupt received: 20000
PRINTCTL: End of swath interrupt at carriage position = -58.355591
media position = 2.726493
gantry position = 15.311220

Checking for continue, status = 0
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x16866020
Downloaded: 0x01000000
Still to download: 0x004dcf00
Downloading: 0x004dcf00
Downloading: Buffer = 0x17866020
Size = 0x004dcf00
HXL: Downloading 0x004dcf00 bytes using DMA
Doing slow-scan advance to line index 0
S_ImageDone: imageLineIndex = 0; linesToDo = 19527
Starting slow scan move
HARDWARE: Moving gantry: displacement = 0.288333, speed = 5, accel = 10, decel = 10, rampType = 2.
Total slowscan move time = 824
Fastscan start time = 1226730
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
S_ImageDone: imageLineIndex = 0; linesToDo = 19527
Head 0: T = 44.47, V = 22.06
Head 1: T = 44.86, V = 21.79
Head 2: T = 44.86, V = 23.11
Head 3: T = 45.55, V = 22.66
Head 4: T = 45.22, V = 23.08
Head 5: T = 45.26, V = 22.17
Head 6: T = 43.89, V = 22.82
Head 7: T = 39.71, V = 23.11
Head 8: T = 45.75, V = 21.34
Head 9: T = 45.59, V = 22.14
Download complete
PrintCtl: Swath 5: configuring heads ABC
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
HXL: Setting read pointer to 0x00000000 (16-bit word)

HXL: Setting write pointer to 0x00000000 (16-bit word)
Setting up download:
Buffer: 0x10010020
Offset: 0x00000000
Total size: 0x014dcf00
Block size: 0x00000000
HWIF: About to call printSwath function.
direction = reverse, size = 21876480, start of plot = -118.976378, image
data width = 60.608504.
carriage speed = 37.70.
Lamp: Home Away
On: -45.96 -63.96
Off: -106.98 -124.98
Shutter time: 320 ms
HARDWARE: Calling ar30 printSwath function.
Home lamp on: -2717200, off: -1167352
Away lamp on: -3174400, off: -1624552
Setting SOS comparator to ffe960d1
Setting EOS comparator to ffd1e350
Setting swath width to a6e780
HARDWARE: Moving carriage: position = -131.22, speed = 37.7008, accel = 107,
decel = 120, rampType = 2.
PRINTCTL: Just called print swath with line index = 0.
Output semaphore released, previous count = 0
Creating swath, imageLineIndex = 771; swathCounter = 11
Image buffer = 10010020
Valid data = 27351040
Next to write = 27351040
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x3000000,Gantry = 0x0,System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Start of swath.
PRINTCTL: Interrupt received: 40
PRINTCTL: Start of swath interrupt at carriage position = -58.373346
media position = 2.726535
gantry position = 15.599724

Wait time = 1849
Checking for continue, status = 1
Checking for download
Read pointer at 0x00000000
Buffer pointer at 0x10010020
Downloaded: 0x00000000
Still to download: 0x014dcf00
Downloading: 0x00000000
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x3000000,Gantry = 0x0,System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt
Checking for continue, status = 1
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x10010020
Downloaded: 0x00000000
Still to download: 0x014dcf00
Downloading: 0x01000000
Downloading: Buffer = 0x10010020
Size = 0x01000000
HXL: Downloading 0x01000000 bytes using DMA
Wait time = 1849
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80

PRINTCTL: DMA complete interrupt
Checking for continue, status = 2
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x10010020
Downloaded: 0x01000000
Still to download: 0x004dcf00
Downloading: 0x00000000
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0xC00000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: End of swath.
PRINTCTL: Interrupt received: 20000
PRINTCTL: End of swath interrupt at carriage position = -118.982992
media position = 2.726390
gantry position = 15.599606

Checking for continue, status = 0
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x10010020
Downloaded: 0x01000000
Still to download: 0x004dcf00
Downloading: 0x004dcf00
Downloading: Buffer = 0x11010020
Size = 0x004dcf00
HXL: Downloading 0x004dcf00 bytes using DMA
Doing slow-scan advance to line index 130
S_ImageDone: imageLineIndex = 130; linesToDo = 19527
Starting slow scan move
HARDWARE: Moving gantry: displacement = 0.288307, speed = 5, accel = 10, decel = 10, rampType = 2.
Total slowscan move time = 824
Fastscan start time = 1229652
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
S_ImageDone: imageLineIndex = 130; linesToDo = 19527
Head 0: T = 44.47, V = 22.06
Head 1: T = 44.83, V = 21.79
Head 2: T = 44.83, V = 23.12
Head 3: T = 45.52, V = 22.67
Head 4: T = 45.19, V = 23.08
Head 5: T = 45.22, V = 22.18
Head 6: T = 43.89, V = 22.82
Head 7: T = 39.68, V = 23.12
Head 8: T = 45.72, V = 21.35
Head 9: T = 45.52, V = 22.15
Download complete
PrintCtl: Swath 6: configuring heads CBA
HXL: Setting read pointer to 0x01ffc168 (16-bit word)
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Resetting read pointer 0
PRINTCTL: Interrupt received: 20
HXL: Setting read pointer to 0x00000000 (16-bit word)
PRINTCTL: SDRAM bank switch interrupt
Bank switch interrupt NOT signalled just after resetting read pointer
HXL: Setting write pointer to 0x00000000 (16-bit word)
Setting up download:
Buffer: 0x114ee020
Offset: 0x00000000

Total size: 0x014dcf00
Block size: 0x00000000
HWIF: About to call printSwath function.
direction = forward, size = 21876480, start of plot = -118.976378, image
data width = 60.608504.
carriage speed = 37.70.
Lamp: Home Away
On: -113.39 -130.97
Off: -52.37 -70.37
Shutter time: 320 ms
HARDWARE: Calling ar30 printSwath function.
Home lamp on: -2879992, off: -1330144
Away lamp on: -3326650, off: -1787344
Setting SOS comparator to ffd1e350
Setting EOS comparator to ffe960d1
Setting swath width to a6e780
HARDWARE: Moving carriage: position = -45.7087, speed = 37.7008, accel = 107,
decel = 120, rampType = 2.
PRINTCTL: Just called print swath with line index = 130.
Output semaphore released, previous count = 0
Creating swath, imageLineIndex = 901; swathCounter = 12
Image buffer = 10010020
Valid data = 27351040
Next to write = 0
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x3000000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Start of swath.
PRINTCTL: Interrupt received: 40
PRINTCTL: Start of swath interrupt at carriage position = -118.970315
media position = 2.726411
gantry position = 15.887835
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x3000000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt
Checking for continue, status = 1
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x114ee020
Downloaded: 0x00000000
Still to download: 0x014dcf00
Downloading: 0x01000000
Downloading: Buffer = 0x114ee020
Size = 0x01000000
HXL: Downloading 0x01000000 bytes using DMA
Wait time = 1849
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
Checking for continue, status = 2
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x114ee020
Downloaded: 0x01000000
Still to download: 0x004dcf00
Downloading: 0x00000000
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0xC000000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: End of swath.

```

PRINTCTL: Interrupt received: 20000
PRINTCTL: End of swath interrupt at carriage position = -58.361693
                                         media position   = 2.726473
                                         gantry position  = 15.887874

Checking for continue, status = 0
Checking for download
Read pointer at      0x01000000
Buffer pointer at   0x114ee020
Downloaded:         0x01000000
Still to download:  0x004dcf00
Downloading:        0x004dcf00
Downloading: Buffer = 0x124ee020
                   Size = 0x004dcf00
HXL: Downloading 0x004dcf00 bytes using DMA
Doing slow-scan advance to line index 260
S_ImageDone: imageLineIndex = 260; linesToDo = 19527
Starting slow scan move
HARDWARE: Moving gantry: displacement = 0.28832, speed = 5, accel = 10, decel =
10, rampType = 2.
Total slowscan move time = 824
Fastscan start time = 1232558
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
S_ImageDone: imageLineIndex = 260; linesToDo = 19527
Head 0: T = 44.41, V = 22.07
Head 1: T = 44.77, V = 21.80
Head 2: T = 44.77, V = 23.13
Head 3: T = 45.49, V = 22.67
Head 4: T = 45.19, V = 23.08
Head 5: T = 45.19, V = 22.18
Head 6: T = 43.86, V = 22.82
Head 7: T = 39.65, V = 23.12
Head 8: T = 45.69, V = 21.35
Head 9: T = 45.49, V = 22.16
Download complete
PrintCtl: Swath 7: configuring heads ABC
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
HXL: Setting read pointer to 0x00000000 (16-bit word)
PRINTCTL: SDRAM bank switch interrupt
Bank switch interrupt NOT signalled just after resetting read pointer
HXL: Setting write pointer to 0x00000000 (16-bit word)
Setting up download:
Buffer:             0x129cc020
Offset:             0x00000000
Total size:         0x014dcf00
Block size:         0x00000000
HWIF: About to call printSwath function.
      direction = reverse, size = 21876480, start of plot = -118.976378, image
data width = 60.608504.
      carriage speed = 37.70.
Lamp:      Home      Away
On:        -45.96    -63.96
Off:       -106.98   -124.98
Shutter time: 320 ms
HARDWARE: Calling ar30 printSwath function.
Home lamp on: -2717200, off: -1167352
Away lamp on: -3174400, off: -1624552
Setting SOS comparator to ffe960d1

```


Doing slow-scan advance to line index 390
S_ImageDone: imageLineIndex = 390; linesToDo = 19527
Starting slow scan move
HARDWARE: Moving gantry: displacement = 0.288333, speed = 5, accel = 10, decel = 10, rampType = 2.
Total slowscan move time = 824
Fastscan start time = 1235511
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
S_ImageDone: imageLineIndex = 390; linesToDo = 19527
Head 0: T = 44.41, V = 22.07
Head 1: T = 44.77, V = 21.80
Head 2: T = 44.77, V = 23.13
Head 3: T = 45.45, V = 22.68
Head 4: T = 45.16, V = 23.09
Head 5: T = 45.22, V = 22.18
Head 6: T = 43.83, V = 22.83
Head 7: T = 39.65, V = 23.12
Head 8: T = 45.65, V = 21.36
Head 9: T = 45.45, V = 22.17
Download complete
PrintCtl: Swath 8: configuring heads CBA
HXL: Setting read pointer to 0x01ffc168 (16-bit word)
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Resetting read pointer 0
HXL: Setting read pointer to 0x00000000 (16-bit word)
PRINTCTL: SDRAM bank switch interrupt
HXL: Setting write pointer to 0x00000000 (16-bit word)
Setting up download:
Buffer: 0x13eaa020
Offset: 0x00000000
Total size: 0x014dcf00
Block size: 0x00000000
HWIF: About to call printSwath function.
direction = forward, size = 21876480, start of plot = -118.976378, image
data width = 60.608504.
carriage speed = 37.70.
Lamp: Home Away
On: -113.39 -130.97
Off: -52.37 -70.37
Shutter time: 320 ms
HARDWARE: Calling ar30 printSwath function.
Home lamp on: -2879992, off: -1330144
Away lamp on: -3326650, off: -1787344
Setting SOS comparator to ffd1e350
Setting EOS comparator to ffe960d1
Setting swath width to a6e780
HARDWARE: Moving carriage: position = -45.7087, speed = 37.7008, accel = 107,
decel = 120, rampType = 2.
PRINTCTL: Just called print swath with line index = 390.
Output semaphore released, previous count = 0
Creating swath, imageLineIndex = 1161; swathCounter = 14
Image buffer = 10010020
Valid data = 27351040
Next to write = 10940416
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x30000000,Gantry = 0x0,System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Start of swath.
PRINTCTL: Interrupt received: 40

PRINTCTL: Start of swath interrupt at carriage position = -118.963858
media position = 2.726328
gantry position = 16.464409

Wait time = 1849

Checking for continue, status = 1

Checking for download

Read pointer at 0x00000000

Buffer pointer at 0x13eaa020

Downloaded: 0x00000000

Still to download: 0x014dcf00

Downloading: 0x00000000

Wait time = 1849

INTERRUPT: status DMA = 0x0,DRC = 0x200000, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0

INTERRUPT: Carriage Board bad frame length.

INTERRUPT: Carriage Board link error count = 4.

INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0

INTERRUPT: Swath buffer bank change.

PRINTCTL: Interrupt received: 20

PRINTCTL: SDRAM bank switch interrupt

Checking for continue, status = 1

Checking for download

Read pointer at 0x01000000

Buffer pointer at 0x13eaa020

Downloaded: 0x00000000

Still to download: 0x014dcf00

Downloading: 0x01000000

Downloading: Buffer = 0x13eaa020

Size = 0x01000000

HXL: Downloading 0x01000000 bytes using DMA

Wait time = 1849

INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0

INTERRUPT: Image data DMA Completed.

PRINTCTL: Interrupt received: 80

PRINTCTL: DMA complete interrupt

Checking for continue, status = 2

Checking for download

Read pointer at 0x01000000

Buffer pointer at 0x13eaa020

Downloaded: 0x01000000

Still to download: 0x004dcf00

Downloading: 0x00000000

Wait time = 1849

INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0xC00000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0

INTERRUPT: End of swath.

PRINTCTL: Interrupt received: 20000

PRINTCTL: End of swath interrupt at carriage position = -58.359488

media position = 2.726431

gantry position = 16.464528

Checking for continue, status = 0

Checking for download

Read pointer at 0x01000000

Buffer pointer at 0x13eaa020

Downloaded: 0x01000000

Still to download: 0x004dcf00

Downloading: 0x004dcf00

Downloading: Buffer = 0x14eaa020

Size = 0x004dcf00

HXL: Downloading 0x004dcf00 bytes using DMA

Doing slow-scan advance to line index 520

S_ImageDone: imageLineIndex = 520; linesToDo = 19527

Starting slow scan move
HARDWARE: Moving gantry: displacement = 0.288307, speed = 5, accel = 10, decel = 10, rampType = 2.
Total slowscan move time = 824
Fastscan start time = 1238417
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
S_ImageDone: imageLineIndex = 520; linesToDo = 19527
Head 0: T = 44.41, V = 22.07
Head 1: T = 44.73, V = 21.80
Head 2: T = 44.73, V = 23.13
Head 3: T = 45.42, V = 22.68
Head 4: T = 45.16, V = 23.09
Head 5: T = 45.16, V = 22.19
Head 6: T = 43.80, V = 22.83
Head 7: T = 39.62, V = 23.13
Head 8: T = 45.62, V = 21.37
Head 9: T = 45.42, V = 22.17
Download complete
PrintCtl: Swath 9: configuring heads ABC
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Resetting read pointer 0
PRINTCTL: SDRAM bank switch interrupt
HXL: Setting read pointer to 0x00000000 (16-bit word)
Bank switch interrupt NOT signalled just after resetting read pointer
HXL: Setting write pointer to 0x00000000 (16-bit word)
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt
HWIF: About to call printSwath function.
direction = reverse, size = 21876480, start of plot = -118.976378, image data width = 60.608504.
carriage speed = 37.70.
Lamp: Home Away
On: -45.96 -63.96
Off: -106.98 -124.98
Shutter time: 320 ms
HARDWARE: Calling ar30 printSwath function.
Home lamp on: -2717200, off: -1167352
Away lamp on: -3174400, off: -1624552
Setting SOS comparator to ffe960d1
Setting EOS comparator to ffd1e350
Setting swath width to a6e780
HARDWARE: Moving carriage: position = -131.22, speed = 37.7008, accel = 107, decel = 120, rampType = 2.
PRINTCTL: Just called print swath with line index = 520.
Output semaphore released, previous count = 0
Creating swath, imageLineIndex = 1291; swathCounter = 15
Image buffer = 10010020
Valid data = 27351040
Next to write = 16410624
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x3000000,Gantry = 0x0,System Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Start of swath.
PRINTCTL: Interrupt received: 40
PRINTCTL: Start of swath interrupt at carriage position = -58.374291

media position = 2.726473
gantry position = 16.753110

Wait time = 1849
Checking for continue, status = 1
Checking for download
Read pointer at 0x00000000
Buffer pointer at 0x15388020
Downloaded: 0x00000000
Still to download: 0x014dcf00
Downloading: 0x00000000
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt
Checking for continue, status = 1
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x15388020
Downloaded: 0x00000000
Still to download: 0x014dcf00
Downloading: 0x01000000
Downloading: Buffer = 0x15388020
Size = 0x01000000
HXL: Downloading 0x01000000 bytes using DMA
Wait time = 1849
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
Checking for continue, status = 2
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x15388020
Downloaded: 0x01000000
Still to download: 0x004dcf00
Downloading: 0x00000000
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0xC00000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: End of swath.
PRINTCTL: Interrupt received: 20000
PRINTCTL: End of swath interrupt at carriage position = -118.983386
media position = 2.726369
gantry position = 16.752835
Checking for continue, status = 0
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x15388020
Downloaded: 0x01000000
Still to download: 0x004dcf00
Downloading: 0x004dcf00
Downloading: Buffer = 0x16388020
Size = 0x004dcf00
HXL: Downloading 0x004dcf00 bytes using DMA
Doing slow-scan advance to line index 650
S_ImageDone: imageLineIndex = 650; linesToDo = 19527
Starting slow scan move
HARDWARE: Moving gantry: displacement = 0.28832, speed = 5, accel = 10, decel = 10, rampType = 2.
Total slowscan move time = 824
Fastscan start time = 1241339

```

INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
EVENT: 19:30:39 : CAS 15-5-03: Gantry Motion System: Error - Servo following
error.
MOTION: Gantry motion data logged on 19:30:39
cmdEnc      cmdEnc2      Enc  Enc2  Duty  Duty2  State carEnc
429045      429045      MOTION: Gantry 2 427786 motion data logged on 19:30:39
429101      -1107 -294  cmdEnc1  carEnc  Enc1  Enc2  Duty  State
2          -3229106
429045      429080      -3229106  429080  429101  427817  0
          429135      -294  2
-1085 429080      -3229863  429135  -263  0  3  -263  3
-3229863
429114      429114      429114  -3230617  427848  429170  429170
          -1084 0  -293 -293  3
3          429149  -3230617
-3231369  429149  429205  427880  429205  0  -294  3
-1060 429183  -3232118  -294  429240  3  -3231369
429183  429183  0  427911  0  429240  9
State table:
 2 -- ramp up
 3 -- at speed
 4 -- ramp down
 5 -- hold
 6 -- hold
 7 -- direct duty
 8 -- no motion error. No encoder change in spite of high duty. Cable
disconnected?
 9 -- following error too big or encoder fault (big jump)
    Dual drive case: the difference of the two encoders too big?
10 -- PWM fault. Carriage guard tripped? Over current or voltage?
0  9  -3232118
State table:
 2 -- ramp up
 3 -- at speed
 4 -- ramp down
 5 -- hold
 6 -- hold
 7 -- direct duty
 8 -- no motion error. No encoder change in spite of high duty. Cable
disconnected?
 9 -- following error too big or encoder fault (big jump)
    Dual drive case: the difference of the two encoders too big?
10 -- PWM fault. Carriage guard tripped? Over current or voltage?
MOTION: Motor 2 number of logs: 6
MOTION: Motor 1 number of logs: 8
S_ImageDone: imageLineIndex = 650; linesToDo = 19527
Head 0: T = 44.34, V = 22.08
Head 1: T = 44.70, V = 21.81
Head 2: T = 44.70, V = 23.14
Head 3: T = 45.39, V = 22.69
Head 4: T = 45.13, V = 23.10
Head 5: T = 45.16, V = 22.19
Head 6: T = 43.77, V = 22.84
Head 7: T = 39.59, V = 23.13
Head 8: T = 45.59, V = 21.37
Head 9: T = 45.42, V = 22.17
Download complete
PrintCtl: Swath 10: configuring heads CBA
HXL: Setting read pointer to 0x01ffc168 (16-bit word)
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System

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Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Resetting read pointer 0
PRINTCTL: SDRAM bank switch interrupt
Bank switch interrupt NOT signalled just after resetting read pointer
HXL: Setting write pointer to 0x000000000 (16-bit word)
INTERRUPT: status DMA = 0x0, DRC = 0x0, Carriage = 0x300000, Gantry = 0x0, System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
Setting up download:
Buffer:          0x16866020
Offset:          0x00000000
Total size:      0x014dcf00
Block size:      0x00000000
PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt
PRINT CONTROLLER: Gantry in error before start of swath
PRINT CONTROLLER: Error printing swath
Print cancelled due to error
Error: 00000000
INPUT: Cannot release before successfully initting
SWATH: Cancelling.
SWATH: Cancelled.
Error: 00000000
INPUT: Cannot release before successfully initting
Error: 00000403
Buffer state at input finished:
Index:
Buffer size:          4096
First valid data:    1430
Valid data:           4096
First data to read:  1430
First data to write: 1430
Start offset:        1986270
End offset:          7675613
Image:
Buffer size:          6710259
First valid data:    1986270
Valid data:           6710259
Last valid data:     8696528
First data to read:  1986270
First data to write: 1986270
INPUT: Last line not valid at input done!
INPUT: Input finished, state=4. Thread sleeping.
SWATH: Cancelling.
SWATH: Cancelled.
PRINTCTL: Print stats:
      Pixel counts:
              Cyan      Magenta      Yellow      Black
0:           0          0          0          0          0
1:      4288699      2841108      6509026      42305          0
2:           0          0          0          0          0
3:      827590      429920      156162          0          0
4:      51532      19724          0      2549          0
5:           0          0          0      19503          0
6:           0          0          0          0          0
7:           0          0          0          0          0
8:           0          0          0          0          0
9:           0          0          0          0          0
10:          0          0          0          0          0
0
11:          0          0          0          0          0
0
12:          0          0          0          0          0

```

```

0
13:          0          0          0          0
0
14:          0          0          0          0
0
15:          0          0          0          0
0

```

SMPH: 169.874

EVENT: 19:30:39 : CAS 31-0-20: PrntCtrl error during the print.

PC Finished - start postPrint motion.

++++ Print state changed from 8 to 10.

Print state: Gantry toggle state: 0, 1.

UI Machine State changed from 10 to 11.

++++ Print state changed from 10 to 11.

Print state: Gantry toggle state: 0, 1.

INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x3000000,System Control = 0xC000000,Roll to Roll = 0x0

INTERRUPT: Gantry Board keep alive.

INTERRUPT: System Control Board keep alive.

INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System Control = 0x0,Roll to Roll = 0xC00000

INTERRUPT: R2R board keep alive.

MOTION: Motor 1 log data ready reads: 0

MOTION: time out while waiting for log data ready!

MOTION: Motor 1 motion data counter: 18248

MOTION: Motor 1 motion data counter from PowerPC: 18248

*** Lamp problem (1, 1) - retry cnt: 1.***

Home lamp check error info: sysBits = 0, homeLampState= 4, errStatus = 11, Struck = 0, BurntIn = 0, Shutter = 1.

Away lamp check error info: sysBits = 0, awayLampState= 4, errStatus = 11, Struck = 0, BurntIn = 0, Shutter = 1.

New SysCtrl error 0x0 -> 0x4.

EVENT: 19:30:46 : CAS 31-0-26: System control error (ID-1, SubID-4).

Motion Error: fb - 0, r2r - 1!

Printer Error: UI notified!

SysError - Gantry Motion.

Printer Error: Motion - 0 -> 2!

Printer Error: Gantry toggle state: 0, 0.

Motion error - stopping all motion.

HWIF: z1 = 2178, z2 = 2177

R2R Stopping Roll 0.

R2R Stopping Roll 1.

R2R: Media already stopped or was idle.

Motion error - no need to move the carriage up.

SysErr1, New - 4, Old - 0

EVENT: 19:30:46 : CAS 03-5-13: Carriage Motion System: Error - Servo no motion error.

MOTION: Carriage motion data logged on 19:30:46

cmdEnc1	ganEnc	Enc1	Enc2	Duty	State
-3333000	428782	-3332213	0	-1430	6
-3333000	428782	-3332213	0	-1430	6
-3333000	428782	-3332213	0	-1430	6
-3333000	428782	-3332213	0	-1430	6
-3333000	428783	-3332213	0	0	8

State table:

2 -- ramp up

3 -- at speed

4 -- ramp down

5 -- hold

6 -- hold

7 -- direct duty

8 -- no motion error. No encoder change in spite of high duty. Cable disconnected?

9 -- following error too big or encoder fault (big jump)

Dual drive case: the difference of the two encoders too big?
10 -- PWM fault. Carriage guard tripped? Over current or voltage?
MOTION: Motor 0 number of logs: 6
MOTION: Motor 2 motion data counter: 28686
MOTION: Motor 2 motion data counter from PowerPC: 28686
MOTION: Motor 0 motion data counter: 26238
MOTION: Motor 0 motion data counter from PowerPC: 26238
Lamp system state changed from 1 -> 3. Last Sys state = 1
Seq. State Changed from 100 to 162.
Seq. State Changed from 162 to 122.
New SysCtrl error 0x4 -> 0x6.
SysErr1, New - 6, Old - 4
Seq. State Changed from 122 to 170.
Gantry timed out
EVENT: 19:30:55 : CAS 03-5-17: Gantry Motion System: Error - Gantry move timed out.
EVENT: 19:30:55 : CAS 31-0-25: Seq 17 failed. Last state: 0.
Seq 17 Failed: Gantry toggle state: 0, 0.
++++ Print state changed from 11 to 12.
Print state: Gantry toggle state: 1, 0.
INK UPDATE - NEW.
EVENT: 19:30:55 : CAS 31-0-64: Last job print mode: Q Layered. Ink drop levels used (1234567): 1011110.
INK UPDATE on 0
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N1111111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last = 16142028066139417917.
Vol(new): 37
Vol(old): 612187
Vol(to write): 612224
Update good. Retry Cnts = 0, 0
SCIU - Ink bag update(Clr-0, Total:612224 (new 37) microL).
INK UPDATE on 1
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N1111111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last = 16142028066139417782, new = 16142028066139417782.
Vol(new): 22
Vol(old): 1254415
Vol(to write): 1254437
Update good. Retry Cnts = 0, 0
SCIU - Ink bag update(Clr-1, Total:1254437 (new 22) microL).
INK UPDATE on 2
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N1111111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last = 16142028066139488370, new = 16142028066139488370.
Vol(new): 35
Vol(old): 159960
Vol(to write): 159995
Update good. Retry Cnts = 0, 0
SCIU - Ink bag update(Clr-2, Total:159995 (new 35) microL).
INK UPDATE on 3
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N1111111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last = 16142028066174759399, new = 16142028066174759399.
Vol(new): 0
Vol(old): 254544

Vol(to write): 254544
Update good. Retry Cnts = 0, 0
SCIU - Ink bag update(Clr-3, Total:254544 (new 0) microL).
INK UPDATE on 4
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
Vol(new): 0
Vol(old): 164433
Vol(to write): 164433
Update good. Retry Cnts = 0, 0
SCIU - Ink bag update(Clr-4, Total:164433 (new 0) microL).
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
PRINTCTL: Interrupt received: 20
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
UI Machine State changed from 11 to 5.
++++ Print state changed from 12 to 0.
Print state: Gantry toggle state: 1, 0.
Flags on clr 0 changed: 2 -> 74.
Flags on clr 1 changed: 2 -> 74.
Flags on clr 2 changed: 2 -> 74.
Flags on clr 3 changed: 2 -> 74.
Flags on clr 4 changed: 54 -> 126.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)

HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N1111111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N1111111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
Motion error Reset.
EVENT: 19:31:04 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Init to On.
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
UI Machine State changed from 5 to 0.
InkServo - Ink Servo and White Recirc ON.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Seq. State Changed from 170 to 139.
New SysCtrl error 0x6 -> 0x0.
SysErr1, New - 0, Old - 6
EVENT: 19:31:04 : CAS 31-0-39: Hardware initializing 1 2
EVENT: 19:31:04 : CAS 31-0-26: System control error (ID-1, SubID-0).
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N1111111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N1111111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Seq. State Changed from 135 to 136.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N1111111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 136 to 108.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.

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EVENT: 19:31:04 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Move both steppers up by max travel distance.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
Motion Error: fb - 1, r2r - 1!
Turning Table Vacuum 1: OFF.
Turning Table Vacuum 0: OFF.
STEPPER: before forcing to stop, enc1 = 29666, enc2 = 29667.
STEPPER: stop both after seeing the limit switches.
MOTION: Stepper #0 tripping encoder: 28817
MOTION: Stepper #1 tripping encoder: 28821
STEPPER: after stopping, enc1 = 29668, enc2 = 29669.
STEPPER: stepper 1 enc: 29668, stepper 2 enc: 29669
STEPPER: Reset stepper enc 1 to: 31851
STEPPER: Reset stepper enc 2 to: 31848, adjust 2 by: 3 cnts, 3 steps
STEPPER: adjust stepper 2.
STEPPER: initialization done.
Seq. State Changed from 112 to 106.
EVENT: 19:31:21 : CAS 31-0-39: Hardware initializing 4 2
Carriage Initialization: message to init
EVENT: 19:31:21 : CAS 31-0-39: Hardware initializing 5 0
  Servo params:
    kp          0.800000
    ki          0.008000
    kd          20.000000
    limitP     100000
    limitI     100000
    limitD     100000
    kaf        300.000000
    kvf        0.000000
    kseed      0.000000
    extraStep   0
    bitShift   4
    integration mode 1
CRGINIT: Carriage in the clear zone.
CRGINIT: Move carriage towards limit switch zone with init slew speed.
Seq. State Changed from 106 to 110.
INTERRUPT: status DMA = 0x0,DRC = 0x200000, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage Board bad frame length.
INTERRUPT: Carriage Board link error count = 5.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
CRGINIT: Carriage stops. Limit switch tripping enc: 26
CRGINIT: Carriage stopped in the limit switch zone.
CRGINIT: Move carriage out of the limit switch zone at 6 ips.
CRGINIT: Move to the limit switch zone with speed of 0.30 ips.
CRGINIT: Carriage stops. Limit switch tripping enc: 1
CRGINIT: current encoder reading:          94
CRGINIT: current encoder reading:          93

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CRGINIT: reset encoder to: 92
CRGINIT: Carriage motion has been initialized successfully.
EVENT: 19:31:48 : CAS 31-0-39: Hardware initializing 5 2
Seq. State Changed from 110 to 125.
HARDWARE: Moving carriage: position = 0, speed = 10, accel = 20, decel = 20, rampType = 2.
HARDWARE: Servo param name: CarriageDefault
Servo params:
kp 0.800000
ki 0.008000
kd 20.000000
limitP 100000
limitI 100000
limitD 100000
kaf 300.000000
kvf 0.000000
kseed 0.000000
extraStep 0
bitShift 4
integration mode 1
Seq. State Changed from 125 to 170.
Seq. State Changed from 170 to 107.
EVENT: 19:31:49 : CAS 31-0-39: Hardware initializing 7 0
Gantry Initialization: message to init
HARDWARE: Servo param name: GantrySlew
Servo params:
kp 3.000000
ki 0.030000
kd 10.000000
limitP 350
limitI 100000
limitD 100000
kaf 500.000000
kvf 0.000000
kseed 0.000000
extraStep 1000
bitShift 4
integration mode 1
GANTRYINIT: Reset gantry encoder(s) to 0.
GANTRYINIT: Move towards the limit switch.
Seq. State Changed from 107 to 111.
GANTRYINIT: Gantry tripping encoders: -428790, -439331
GANTRYINIT: Move out of the limit switch zone.
GANTRYINIT: Move to the limit switch zone with speed of 0.30 ips.
GANTRYINIT: Gantry tripping encoders: -428777, -439298
GANTRYINIT: Gantry at home ... Encoders: -437849, -439739
GANTRYINIT: Gantry at home ... Encoders: -437847, -439737
GANTRYINIT: Gantry at home ... Encoders: -437848, -439737
GANTRYINIT: Gantry at home ... Encoders: -437847, -439737
GANTRYINIT: Gantry at home ... Encoders: -437847, -439737
GANTRYINIT: Gantry offset: -54
GANTRYINIT: Reset gantry encoders to: -9070, -493
GANTRYINIT: Gantry motion has been initialized successfully.
GANTRYINIT: Gantry initialization done. Gantry servo on.
EVENT: 19:32:07 : CAS 31-0-39: Hardware initializing 7 2
Seq. State Changed from 111 to 128.
EVENT: 19:32:07 : CAS 31-0-39: Hardware initializing 6 0
Seq. State Changed from 128 to 172.
STEPPER: Set stepper target to 1209: counts.
STEPPER: current Z-Axis (stepper 1) location: 31851 target location: 1209
difference : 30642
STEPPER: servoing stepper 1 by: -25535 steps
STEPPER: current Z-Axis stepper 2 location: 31853 target location: 1209
difference : 30644

STEPPER: servoing stepper 2 by: -25537 steps
CR Z-axis move done. Target: 2000, Cur:1999.
Seq. State Changed from 172 to 131.
HARDWARE: Moving gantry: displacement = 0, speed = 6, accel = 5, decel = 5, rampType = 2.
HARDWARE: Servo param name: GantrySlew
Servo params:
kp 3.000000
ki 0.030000
kd 10.000000
limitP 350
limitI 100000
limitD 100000
kaf 500.000000
kvf 0.000000
kseed 0.000000
extraStep 1000
bitShift 4
integration mode 1
Seq. State Changed from 131 to 114.
EVENT: 19:32:23 : CAS 31-0-39: Hardware initializing 8 2
Seq. State Changed from 114 to 100.
Spit needs voltage on 0.
Spit needs voltage on 1.
Spit needs voltage on 2.
Spit needs voltage on 3.
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for all heads.
UI Machine State changed from 0 to 5.
Seq done: Gantry toggle state: 1, 1.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 0.
Spitting clr: 0, head 4
Spitting clr: 0, head 5
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 0.
Spit time on 1.
Spitting clr: 1, head 6
Spitting clr: 1, head 7
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Head VOLTAGE needed for spit.

Spit releases voltage 1.
Spit time on 2.
Spitting clr: 2, head 8
Spitting clr: 2, head 9
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Head VOLTAGE needed for spit.
Spit releases voltage 2.
Spit time on 3.
Spitting clr: 3, head 2
Spitting clr: 3, head 3
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Head VOLTAGE needed for spit.
Spit releases voltage 3.
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Head VOLTAGE needed for spit.
Head VOLTAGE already enabled for 0x3ff heads.
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1

HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
HWIF: Performing head thermistor test type 1
head 0 thermistorStatus = 2
head 1 thermistorStatus = 2
head 2 thermistorStatus = 0
head 3 thermistorStatus = 1
head 4 thermistorStatus = 0
head 5 thermistorStatus = 0
head 6 thermistorStatus = 0
head 7 thermistorStatus = 1
head 8 thermistorStatus = 0
head 9 thermistorStatus = 0
INKSERVO: Updating thermistor status.
INKSERVO: Performing thermistor check type 1.
Good heads = 6 Num of discarded heads = 0 Mean = 45.10 Block temp =48.62
Tolerance 10
Head 6 Temp 43.89 Status 0 UsedForAverage 1
Head 8 Temp 45.75 Status 0 UsedForAverage 1
Head 2 Temp 44.90 Status 0 UsedForAverage 1
Head 9 Temp 45.59 Status 0 UsedForAverage 1
Head 4 Temp 45.19 Status 0 UsedForAverage 1
Head 5 Temp 45.26 Status 0 UsedForAverage 1
Head 0 Temp 44.51 Status 2 UsedForAverage 0
Head 7 Temp 39.74 Status 1 UsedForAverage 0
Head 1 Temp 44.90 Status 2 UsedForAverage 0
Head 3 Temp 45.59 Status 1 UsedForAverage 0
EVENT: 19:35:56 : CAS 27-0-59: Printhead thermistor check completed (0=Cold, 1=Warm), (0=Success, 1=Fail, 2=Cancel): Check type 1, Check result 0.
Lamp system state changed from 3 -> 0. Last Sys state = 3
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1

HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.

Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)

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HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
MOTION: Carriage EVENT: 19:42:51 : CAS 03-5-12: Carriage Motion System: Error -
Servo following error.
motion data logged on 19:42:51
New SysCtrl error 0x0 -> 0x2.
Motion Error: fb - 0, r2r - 1!
EVENT: 19:42:51 : CAS 31-0-26: System control error (ID-1, SubID-2).
Motion error - stopping all motion.
Printer Error: UI notified!
SysError - Carriage Motion.
Printer Error: Motion - 0 -> 1!
HWIF: z1 = 1209, z2 = 1208
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 2, Old - 0
cmdEnc1      ganEnc      Enc1  Enc2  Duty  State
0      -9067 -4957 0      2300  6
0      -9067 -4994 0      2300  6
0      -9067 -5032 0      2300  6
0      -9067 -5069 0      2300  6
0      -9067 -5106 0      0      9
State table:
 2 -- ramp up
 3 -- at speed
 4 -- ramp down
 5 -- hold
 6 -- hold
 7 -- direct duty
 8 -- no motion error. No encoder change in spite of high duty. Cable
disconnected?
 9 -- following error too big or encoder fault (big jump)
    Dual drive case: the difference of the two encoders too big?
10 -- PWM fault. Carriage guard tripped? Over current or voltage?
MOTION: Motor 0 number of logs: 6
MOTION: Motor 0 motion data counter: 2958
MOTION: Motor 0 motion data counter from PowerPC: 2958
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
Spit Interrupted - Head VOLTAGE NOT needed.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656

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HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x30000,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Gantry Board relay tripped.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x30000,Roll to Roll = 0x0
INTERRUPT: System Control Board relay tripped.
SInt: Estop: 0 -> 1, MDoor: 0 -> 1.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Ink heat cooldown requested at time 2534640
Coolant heater switched off
InkServo - E-stop On.
EVENT: 19:52:12 : CAS 27-0-12: E-Stop status changed. State: 1
EVENT: 19:52:12 : CAS 27-0-11: Interlock status changed. State: 1
Safety - stopping carriage move.
HWIF: z1 = 1209, z2 = 1208
Safety - moving carriage up to 51263.
UI Machine State changed from 5 to 16.
Head voltage disable, 0x000003ff
Printer Error: 100.
Head VOLTAGE disabled for all heads.
Interlock: Gantry toggle state: 1, 0.
Flags on clr 4 changed: 126 -> 90.
Disabling Degas. Servo mode = 1.
EVENT: 19:52:12 : CAS 27-0-13: Ink heat servo state change 0
Printer Error: 99.
Interlock: Gantry toggle state: 1, 0.
STEPPER: Set stepper target to 30999: counts.
STEPPER: current Z-Axis (stepper 1) location: 1209 target location: 30999
difference : -29790
STEPPER: servoing stepper 1 by: 24825 steps
STEPPER: current Z-Axis stepper 2 location: 1208 target location: 30999
difference : -29791
STEPPER: servoing stepper 2 by: 24826 steps
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x30000,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Gantry Board relay tripped.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x30000,Roll to Roll = 0x0
INTERRUPT: System Control Board relay tripped.
SInt: Estop: 1 -> 0, MDoor: 1 -> 1.
EVENT: 19:52:18 : CAS 27-0-12: E-Stop status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
STEPPER: current Z-Axis (stepper 1) location: 30990 target location: 30999
difference : -9
STEPPER: servoing stepper 1 by: 7 steps
HWIF: Couldn't read ink tag
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.

Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Estop/CR Guard/Door ResetEVENT: 19:53:36 : CAS 27-0-12: E-Stop status changed.
State: 0
EVENT: 19:53:36 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Init to On.
InkServo - Turning ON clr 0.
Interlock: Gantry toggle state: 1, 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
UI Machine State changed from 16 to 0.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
HWIF: Received following heat servo parameters:
coolantLowTimeout = 5000
reservoirOverTemp = 10.00
tempRiseRate = 0.05
tempRisePeriod = 60000
tempRiseCutoff = 1.00
tempDropoff = 5.00
thermistorLogicEnabled = 1
temperatureHeadUsed = 4
thermistorLogicMaxDeviation = 2.000
head 0 thermistorStatus = 2
head 1 thermistorStatus = 2
head 2 thermistorStatus = 0
head 3 thermistorStatus = 1
head 4 thermistorStatus = 0
head 5 thermistorStatus = 0
head 6 thermistorStatus = 0
head 7 thermistorStatus = 1
head 8 thermistorStatus = 0
head 9 thermistorStatus = 0
INKSERVO: Updating thermistor status.
Coolant heater switched on
Seq. State Changed from 100 to 139.
EVENT: 19:53:36 : CAS 31-0-39: Hardware initializing 1 2
New SysCtrl error 0x2 -> 0x0.
SysErr1, New - 0, Old - 2
EVENT: 19:53:36 : CAS 31-0-26: System control error (ID-1, SubID-0).
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Flags on clr 4 changed: 90 -> 126.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
Pressure servo: setting level to 12.000000
Enabling Degas. Servo mode = 1.
EVENT: 19:53:36 : CAS 27-0-13: Ink heat servo state change 1
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.

InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x30000,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Gantry Board relay tripped.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x30000,Roll to Roll = 0x0
INTERRUPT: System Control Board relay tripped.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x30000,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Gantry Board relay tripped.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x30000,Roll to Roll = 0x0
INTERRUPT: System Control Board relay tripped.
Seq. State Changed from 140 to 135.
SInt: Estop: 0 -> 0, MDoor: 1 -> 0.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
EVENT: 19:53:36 : CAS 27-0-11: Interlock status changed. State: 0
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Seq. State Changed from 108 to 112.
Ink timeout check: Time = 2618.781000
 Target = 0.000000
 Temp = 44.309334
Temperature setpoint achieved (or close enough)
EVENT: 19:53:37 : CAS 27-0-15: Ink heat servo has reached setpoint.
Seq. State Changed from 112 to 106.
EVENT: 19:53:37 : CAS 31-0-39: Hardware initializing 4 2
Carriage Initialization: message to init
EVENT: 19:53:37 : CAS 31-0-39: Hardware initializing 5 0
Motion Error: fb - 1, r2r - 1!
 Servo params:
 kp 0.800000
 ki 0.008000
 kd 20.000000
 limitP 100000
 limitI 100000
 limitD 100000
 kaf 300.000000
 kvf 0.000000
 kseed 0.000000
 extraStep 0
 bitShift 4
 integration mode 1
CRGINIT: Carriage in the clear zone.
CRGINIT: Move carriage towards limit switch zone with init slew speed.
Seq. State Changed from 106 to 110.
CRGINIT: Carriage stops. Limit switch tripping enc: 13
CRGINIT: Carriage stopped in the limit switch zone.
CRGINIT: Move carriage out of the limit switch zone at 6 ips.
Interlock: Gantry toggle state: 1, 0.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).

MC - Set ink bag SN on 3: cur = 16142028066174759399, last = 16142028066174759399, new = 16142028066174759399.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
CRGINIT: Move to the limit switch zone with speed of 0.30 ips.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last = 16142028066125562692, new = 16142028066125562692.
HWIF: Performing head thermistor test type 1
head 0 thermistorStatus = 2
head 1 thermistorStatus = 2
head 2 thermistorStatus = 0
head 3 thermistorStatus = 1
head 4 thermistorStatus = 0
head 5 thermistorStatus = 0
head 6 thermistorStatus = 0
head 7 thermistorStatus = 1
head 8 thermistorStatus = 0
head 9 thermistorStatus = 0
INKSERVO: Updating thermistor status.
INKSERVO: Performing thermistor check type 1.
Good heads = 6 Num of discarded heads = 0 Mean = 44.28 Block temp =47.08
Tolerance 10
Head 6 Temp 43.13 Status 0 UsedForAverage 1
Head 8 Temp 44.83 Status 0 UsedForAverage 1
Head 2 Temp 44.18 Status 0 UsedForAverage 1
Head 9 Temp 44.67 Status 0 UsedForAverage 1
Head 4 Temp 44.38 Status 0 UsedForAverage 1
Head 5 Temp 44.51 Status 0 UsedForAverage 1
Head 0 Temp 43.77 Status 2 UsedForAverage 0
Head 7 Temp 38.97 Status 1 UsedForAverage 0
Head 1 Temp 44.25 Status 2 UsedForAverage 0
Head 3 Temp 44.86 Status 1 UsedForAverage 0
EVENT: 19:53:38 : CAS 27-0-59: Printhead thermistor check completed (0=Cold, 1=Warm), (0=Success, 1=Fail, 2=Cancel): Check type 1, Check result 0.
CRGINIT: Carriage stops. Limit switch tripping enc: -5
CRGINIT: current encoder reading: 109
CRGINIT: reset encoder to: 114
CRGINIT: Carriage motion has been initialized successfully.
EVENT: 19:53:43 : CAS 31-0-39: Hardware initializing 5 2
Seq. State Changed from 110 to 125.
HARDWARE: Moving carriage: position = 0, speed = 10, accel = 20, decel = 20, rampType = 2.
HARDWARE: Servo param name: CarriageDefault
Servo params:
kp 0.800000
ki 0.008000
kd 20.000000
limitP 100000
limitI 100000
limitD 100000
kaf 300.000000
kvf 0.000000
kseed 0.000000
extraStep 0
bitShift 4
integration mode 1
Seq. State Changed from 125 to 170.

Seq. State Changed from 170 to 107.
EVENT: 19:53:44 : CAS 31-0-39: Hardware initializing 7 0
Gantry Initialization: message to init
HARDWARE: Servo param name: GantrySlew
Servo params:
kp 3.000000
ki 0.030000
kd 10.000000
limitP 350
limitI 100000
limitD 100000
kaf 500.000000
kvf 0.000000
kseed 0.000000
extraStep 1000
bitShift 4
integration mode 1
GANTRYINIT: Reset gantry encoder(s) to 0.
GANTRYINIT: Move out of the limit switch zone.
Seq. State Changed from 107 to 111.
GANTRYINIT: Move to the limit switch zone with speed of 0.30 ips.
GANTRYINIT: Gantry tripping encoders: 10112, 2487
GANTRYINIT: Gantry at home ... Encoders: 2206, 2075
GANTRYINIT: Gantry at home ... Encoders: 2207, 2076
GANTRYINIT: Gantry at home ... Encoders: 2210, 2076
GANTRYINIT: Gantry at home ... Encoders: 2210, 2077
GANTRYINIT: Gantry at home ... Encoders: 2210, 2076
GANTRYINIT: Gantry offset: -54
GANTRYINIT: Reset gantry encoders to: -7902, -465
GANTRYINIT: Gantry motion has been initialized successfully.
GANTRYINIT: Gantry initialization done. Gantry servo on.
EVENT: 19:53:53 : CAS 31-0-39: Hardware initializing 7 2
Seq. State Changed from 111 to 128.
EVENT: 19:53:53 : CAS 31-0-39: Hardware initializing 6 0
Seq. State Changed from 128 to 172.
STEPPER: Set stepper target to 1209: counts.
STEPPER: current Z-Axis (stepper 1) location: 30999 target location: 1209
difference : 29790
STEPPER: servoing stepper 1 by: -24825 steps
STEPPER: current Z-Axis stepper 2 location: 31000 target location: 1209
difference : 29791
STEPPER: servoing stepper 2 by: -24826 steps
Turning the Home-Right lamp ON.
Turning the Away-Left lamp ON.
Lamp control: message to warm lamp 1
Lamp control: message to warm lamp 0
Lamp warmup, lamp 0
Lamp 0: Checking shutter open
Shutter detected not open
Lamp warmup, lamp 1
Lamp 1: Checking shutter open
Shutter detected not open
Lamp system state changed from 0 -> 2. Last Sys state = 0
Lamp 0: Checking shutter open
Lamp 0: shutter open, closing
Lamp 0: Checking shutter closed
Shutter detected not closed
Lamp 1: Checking shutter open
Lamp 1: shutter open, closing
Lamp 1: Checking shutter closed
Shutter detected not closed
Lamp 0: Checking shutter closed
Lamp 0: shutter closed
Lamp 0: power set to 6

Lamp 1: Checking shutter closed
Lamp 1: shutter closed
Lamp 1: power set to 6
Lamp 0: Struck in 2 s. Turning fans off.
Lamp 1: Struck in 2 s. Turning fans off.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
EVENT: 19:54:09 : CAS 31-0-39: Hardware initializing 6 2
CR Z-axis move done. Target: 2000, Cur:2199.
Seq. State Changed from 172 to 131.
HARDWARE: Moving gantry: displacement = 0, speed = 6, accel = 5, decel = 5,
rampType = 2.
HARDWARE: Servo param name: GantrySlew
Servo params:
kp 3.000000
ki 0.030000
kd 10.000000
limitP 350
limitI 100000
limitD 100000
kaf 500.000000
kvf 0.000000
kseed 0.000000
extraStep 1000
bitShift 4
integration mode 1
Seq. State Changed from 131 to 114.
EVENT: 19:54:09 : CAS 31-0-39: Hardware initializing 8 2
Seq. State Changed from 114 to 100.
Spit needs voltage on 0.
Spit needs voltage on 1.
Spit needs voltage on 2.
Spit needs voltage on 3.
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for all heads.
UI Machine State changed from 0 to 5.
Seq done: Gantry toggle state: 1, 1.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 0.
Spitting clr: 0, head 4
Spitting clr: 0, head 5
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 0.
Spit time on 1.
Spitting clr: 1, head 6
Spitting clr: 1, head 7
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA

HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Head VOLTAGE needed for spit.
Spit releases voltage 1.
Spit time on 2.
Spitting clr: 2, head 8
Spitting clr: 2, head 9
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Head VOLTAGE needed for spit.
Spit releases voltage 2.
Spit time on 3.
Spitting clr: 3, head 2
Spitting clr: 3, head 3
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Head VOLTAGE needed for spit.
Spit releases voltage 3.
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Head VOLTAGE needed for spit.
Head VOLTAGE already enabled for 0x3ff heads.
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Seq. State Changed from 100 to 145.
R2R: New Pedal Mode: 0.
Seq. State Changed from 145 to 151.
Seq. State Changed from 151 to 150.
Seq. State Changed from 150 to 143.
Seq. State Changed from 143 to 126.

HARDWARE: Moving gantry: displacement = 0.102402, speed = 6, accel = 5, decel = 5, rampType = 2.
Seq. State Changed from 126 to 125.
HARDWARE: Moving carriage: position = 0, speed = 10, accel = 20, decel = 20, rampType = 2.
Seq. State Changed from 125 to 124.
HWIF: z1 = 1209, z2 = 1208
Seq. State Changed from 124 to 128.
Seq. State Changed from 128 to 172.
STEPPER: Set stepper target to 1209: counts.
CR Z-axis move done. Target: 2000, Cur:1999.
Seq. State Changed from 172 to 170.
Seq. State Changed from 170 to 152.
R2R: Stop both motors.
Seq. State Changed from 152 to 153.
Seq. State Changed from 153 to 109.
R2R: Stop both motors.
R2R: Roll-to-roll initialization in progress...
R2R: Rewind hold duty L = -9.00
HARDWARE: Servo param name: RewindDefault
Servo params:
kp 0.080000
ki 0.000000
kd 150.000000
limitP 100000
limitI 100000
limitD 100000
kaf 0.000000
kvf 0.000000
kseed 0.000000
extraStep 0
bitShift 6
integration mode 0
HARDWARE: Servo param name: UnwindDefault
Servo params:
kp 3.000000
ki 0.002000
kd 25.000000
limitP 100000
limitI 100000
limitD 100000
kaf 0.000000
kvf 0.000000
kseed 0.000000
extraStep 500
bitShift 6
integration mode 0
HARDWARE: Servo param name: RewindUncoupledDefault
Servo params:
kp 3.000000
ki 0.001000
kd 25.000000
limitP 700
limitI 100000
limitD 10
kaf 0.000000
kvf 0.000000
kseed 0.000000
extraStep 0
bitShift 6
integration mode 0
HARDWARE: Servo param name: UnwindUncoupledDefault
Servo params:
kp 3.000000

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ki          0.001000
kd          25.000000
limitP     700
limitI     100000
limitD     10
kaf        0.000000
kvf        0.000000
kseed      0.000000
extraStep  0
bitShift   6
integration mode  0
R2R: Rewind holding duty (init) = -9.7
Seq. State Changed from 109 to 113.
R2R: Starting rotation of unwind at 0.053000 vel and 1.000000 accel
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x3000000
INTERRUPT: R2R misc status.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x3000000
INTERRUPT: R2R misc status.
R2R: Lower dancer limit found at -1.
R2R: Reset dancer encoder to 0.
R2R: DancerTarget = 1.338583 in
R2R: Feed system is idle. Starting rewind move.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x3000000
INTERRUPT: R2R misc status.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x3000000
INTERRUPT: R2R misc status.
R2R: Dancer reaches target position.
R2R: Rewind diameter from initialization: 86.255949
R2R: Rewind holding duty = -9.7
R2R: Starting rotation of unwind at 0.053000 vel and 1.000000 accel
R2R: Unwind diameter from initialization: 81.980669
R2R: Moving Dancer to 1.338583 inches.
R2R: Dancer holding at position.
R2R: Initialization completed.
R2R Initialized!.
Seq. State Changed from 113 to 145.
R2R: New Pedal Mode: 3.
Seq. State Changed from 145 to 160.
EVENT: 19:54:47 : CAS 27-0-33: R2R media init state changed 2.
Seq. State Changed from 160 to 100.
Seq done: Gantry toggle state: 1, 1.
Lamp 1 burnt in 62 s. Setting to low power and turning on fans. Register value 0
Lamp 0 burnt in 70 s. Setting to low power and turning on fans. Register value 0
Lamp system state changed from 2 -> 1. Last Sys state = 2
High pump duty cycle for pressure servo 2. Mode = 1. Setpoint = 12.000000.
EVENT: 19:55:56 : CAS 05-5-05: Ink Bay System: Error - Degas vacuum level low
(0.159341 psi).
Could not reach pressure for servo 2. Mode = 0. Pressure = 0.159341. Setpoint =
12.000000. Disabling
Degas error event 264 for 0. Currently 1. Params: Mode = 1, setpoint = 12.000000
Degas error event 265 for 0. Currently 1. Params: Mode = 1, setpoint = 12.000000
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 4.

```

Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
EVENT: 19:56:58 : CAS 27-0-16: Starting ink cooldown.
Ink heat cooldown requested at time 2819921
Coolant heater switched off
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
EVENT: 19:56:58 : CAS 27-0-13: Ink heat servo state change 0
Disabling Degas. Servo mode = 1.
Head voltage disable, 0x000003ff
Head VOLTAGE disabled for all heads.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
HWIF: Received following heat servo parameters:
coolantLowTimeout = 5000
reservoirOverTemp = 10.00
tempRiseRate = 0.05
tempRisePeriod = 60000
tempRiseCutoff = 1.00
tempDropoff = 5.00
thermistorLogicEnabled = 1
temperatureHeadUsed = 4
thermistorLogicMaxDeviation = 2.000
head 0 thermistorStatus = 2
head 1 thermistorStatus = 2
head 2 thermistorStatus = 0
head 3 thermistorStatus = 1
head 4 thermistorStatus = 0
head 5 thermistorStatus = 0
head 6 thermistorStatus = 0
head 7 thermistorStatus = 1

head 8 thermistorStatus = 0
head 9 thermistorStatus = 0
INKSERVO: Updating thermistor status.
Coolant heater switched on
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Pressure servo: setting level to 12.000000
EVENT: 19:57:00 : CAS 27-0-13: Ink heat servo state change 1
Head voltage enable, 0x000003fc
Head VOLTAGE enabled for 0x3fc heads.
Ink timeout check: Time = 2822.437000
 Target = 0.000000
 Temp = 42.673469
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Lamp system state changed from 1 -> 3. Last Sys state = 1
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
High pump duty cycle for pressure servo 2. Mode = 1. Setpoint = 12.000000.
EVENT: 19:59:20 : CAS 05-5-05: Ink Bay System: Error - Degas vacuum level low

(0.1558 psi).
Could not reach pressure for servo 2. Mode = 0. Pressure = 0.155800. Setpoint = 12.000000. Disabling
Degas error event 264 for 0. Currently 1. Params: Mode = 1, setpoint = 12.000000
Degas error event 265 for 0. Currently 1. Params: Mode = 1, setpoint = 12.000000
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Ink timeout check: Time = 3122.625000
 Target = 42.723469
 Temp = 44.629367
Temperature setpoint achieved (or close enough)
EVENT: 20:02:00 : CAS 27-0-15: Ink heat servo has reached setpoint.
HWIF: Performing head thermistor test type 1
head 0 thermistorStatus = 2
head 1 thermistorStatus = 2
head 2 thermistorStatus = 0
head 3 thermistorStatus = 1
head 4 thermistorStatus = 0
head 5 thermistorStatus = 0
head 6 thermistorStatus = 0
head 7 thermistorStatus = 1
head 8 thermistorStatus = 0
head 9 thermistorStatus = 0
INKSERVO: Updating thermistor status.
INKSERVO: Performing thermistor check type 1.
Good heads = 6 Num of discarded heads = 0 Mean = 44.62 Block temp =54.91
Tolerance 10
Head 6 Temp 43.48 Status 0 UsedForAverage 1
Head 8 Temp 45.49 Status 0 UsedForAverage 1
Head 2 Temp 44.25 Status 0 UsedForAverage 1

Head 9 Temp 45.32 Status 0 UsedForAverage 1
Head 4 Temp 44.60 Status 0 UsedForAverage 1
Head 5 Temp 44.57 Status 0 UsedForAverage 1
Head 0 Temp 43.77 Status 2 UsedForAverage 0
Head 7 Temp 39.36 Status 1 UsedForAverage 0
Head 1 Temp 44.05 Status 2 UsedForAverage 0
Head 3 Temp 44.96 Status 1 UsedForAverage 0
EVENT: 20:02:01 : CAS 27-0-59: Printhead thermistor check completed (0=Cold, 1=Warm), (0=Success, 1=Fail, 2=Cancel): Check type 1, Check result 0.
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Turning the Home-Right lamp ON.
Turning the Away-Left lamp ON.
Lamp control: message to warm lamp 1
Lamp control: message to warm lamp 0
Lamp warmup, lamp 0
Lamp 0: Checking shutter open
Shutter detected not open
Lamp warmup, lamp 1
Lamp 1: Checking shutter open
Shutter detected not open
Lamp system state changed from 3 -> 2. Last Sys state = 3
Lamp 0: Checking shutter open
Lamp 0: shutter open, closing
Lamp 0: Checking shutter closed
Shutter detected not closed
Lamp 1: Checking shutter open
Lamp 1: shutter open, closing
Lamp 1: Checking shutter closed
Shutter detected not closed
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Lamp 0: Checking shutter closed
Lamp 0: shutter closed
Lamp 0: power set to 6
Lamp 1: Checking shutter closed
Lamp 1: shutter closed
Lamp 1: power set to 6
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Lamp 0: Struck in 2 s. Turning fans off.
Lamp 1: Struck in 2 s. Turning fans off.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA

Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Turning Table Vacuum 1: ON.
Turning Table Vacuum 0: ON.
++++ Print state changed from 0 to 1.
Print state: Gantry toggle state: 1, 1.
UI Machine State changed from 5 to 6.
++++ Print state changed from 1 to 2.
Print state: Gantry toggle state: 1, 1.
++++ Print state changed from 2 to 3.
Print state: Gantry toggle state: 1, 1.
UI Machine State changed from 6 to 6.
++++ Print state changed from 3 to 4.
Print state: Gantry toggle state: 1, 1.
++++ Print state changed from 4 to 5.
Print state: Gantry toggle state: 0, 1.
Config bleed requested: H = 0, A = 0.
PrintConfig Lamps: Lead 4, Trail 4, Selected 3.
Alignment data path: Swath.
PrintCtrlConfig - start of plot: FS = 1.181102.
Setting up masks for initial line offset calculation
Initial index is -659
keySwathStart=5; keySwathFit=-1; keySwathEnd=150; numPrintingSwaths=156
PrintCtrlConfig - start of plot: SS = 0.000000.
InkServo - Getting ready to print. White = 1
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
Printing job: "th-oz_BE4_110x125"
Motion start!. Targets: G: 359612, CR: 0, Z: 3600(1400), R2R: 0. Params: 1: 0,
2: 3, 3: 1
++++ Print state changed from 5 to 6.
Print state: Gantry toggle state: 0, 1.
UI Machine State changed from 6 to 9.
Flags on clr 0 changed: 74 -> 2.
Flags on clr 1 changed: 74 -> 2.
Flags on clr 2 changed: 74 -> 2.
Flags on clr 3 changed: 74 -> 2.
Flags on clr 4 changed: 126 -> 54.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for all heads.
Not turning Home-Right lamp ON, 0, 1
Not turning Away-Left lamp ON, 0, 1
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
EVENT: 20:02:40 : CAS 31-0-36: Waiting for UV lamps: 1.
EVENT: 20:02:40 : CAS 31-0-40: Waiting for ink temperature: 1.
Seq. State Changed from 100 to 175.
UI Machine State changed from 9 to 7.
Lamp 1 burnt in 61 s. Setting to low power and turning on fans. Register value 0
Lamp 0 burnt in 67 s. Setting to low power and turning on fans. Register value 0

Lamp system state changed from 2 -> 1. Last Sys state = 2
EVENT: 20:03:21 : CAS 31-0-36: Waiting for UV lamps: 0.
Seq. State Changed from 175 to 176.
UI Machine State changed from 7 to 8.
Seq. State Changed from 176 to 162.
EVENT: 20:03:21 : CAS 31-0-40: Waiting for ink temperature: 0.
UI Machine State changed from 8 to 9.
Seq. State Changed from 162 to 122.
Seq. State Changed from 122 to 170.
Seq. State Changed from 170 to 121.
Seq. State Changed from 121 to 170.
Seq. State Changed from 170 to 143.
Seq. State Changed from 143 to 124.
HWIF: z1 = 1209, z2 = 1208
Seq. State Changed from 124 to 120.
Seq. State Changed from 120 to 171.
STEPPER: Set stepper target to 2177: counts.
STEPPER: current Z-Axis (stepper 1) location: 1209 target location: 2177
difference : -968
STEPPER: servoing stepper 1 by: 807 steps
STEPPER: current Z-Axis stepper 2 location: 1208 target location: 2177
difference : -969
STEPPER: servoing stepper 2 by: 807 steps
CR Z-axis move done. Target: 3600, Cur:3601.
Seq. State Changed from 171 to 117.
HARDWARE: Moving gantry: displacement = 14.3667, speed = 6, accel = 5, decel =
5, rampType = 2.
Seq. State Changed from 117 to 170.
Seq. State Changed from 170 to 100.
Seq done: Gantry toggle state: 0, 1.
UI Machine State changed from 9 to 10.
++++ Print state changed from 6 to 7.
Print state: Gantry toggle state: 0, 1.
++++ Print state changed from 7 to 8.
Print state: Gantry toggle state: 0, 1.
EVENT: 20:03:29 : CAS 31-0-18: PrntCtrl started printing.
EVENT: 20:03:29 : CAS 31-0-66: UV lamp power used for the print: Leading lamp 4,
Trailing lamp 4.
EVENT: 20:03:29 : CAS 31-0-62: Started printing FB job.
Setting up masks
Setting up print controller
Head voltage key: HeadConfig\BL\Standard\CA4\White\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\White\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\Black\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\Black\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\Cyan\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\Cyan\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\Magenta\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\Magenta\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\Yellow\Voltage
Head voltage key: HeadConfig\BL\Standard\CA4\Yellow\Voltage
HARDWARE: Servo param name: GantryDefault
Servo params:
kp 5.000000
ki 0.050000
kd 25.000000
limitP 200
limitI 100000
limitD 100000
kaf 500.000000
kvf 0.000000
kseed 0.000000
extraStep 400
bitShift 4

```

integration mode      1
PRINTCTL: Requested horizontal print resolution = 222.81
You're actually getting 222.81
PRINTCTL: Encoder counts per pixel = 38
PRINTCTL: Carriage speed = 37.700787
Head 0: T = 44.41, V = 22.07
Head 1: T = 44.77, V = 21.80
Head 2: T = 44.90, V = 23.11
Head 3: T = 45.59, V = 22.66
Head 4: T = 45.26, V = 23.07
Head 5: T = 45.26, V = 22.17
Head 6: T = 44.05, V = 22.79
Head 7: T = 39.92, V = 23.08
Head 8: T = 46.09, V = 21.29
Head 9: T = 45.95, V = 22.08
Setting up input module
Setting up swathmaker module
Initial index is -659
keySwathStart=5; keySwathFit=-1; keySwathEnd=150; numPrintingSwaths=156
SWATH: Swaths per buffer = 6
Output pixels per swath: 13504
Ideal lamp on and off positions
      Home lamp      Away lamp
Home limit      -106.98      -124.98
Away limit      -52.37      -70.37
Adjusted lamp on and off positions
      Home lamp      Away lamp
Home limit      -106.98      -124.98
Away limit      -52.37      -70.37
Fastscan travel limits:
Home: -131.22
Away: -45.71
Setting up hardware
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc168 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc2d0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting write pointer to 0x01ffc438 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc168 (16-bit word)
S_ImageDone: imageLineIndex = -650; linesToDo = 19527
PRINTCTL: Fastscan not at start. Bumping.
Current position = 0.000000.
Required position = -131.220472.
HARDWARE: Moving carriage: position = -131.22, speed = 37.7008, accel = 107,
decel = 120, rampType = 2.
Creating swath, imageLineIndex = -659; swathCounter = 0
Image buffer = 10010020
Valid data = 0
Next to write = 0
Creating swath, imageLineIndex = -529; swathCounter = 1
Image buffer = 10010020
Valid data = 5470208
Next to write = 5470208
Creating swath, imageLineIndex = -399; swathCounter = 2
Image buffer = 10010020
Valid data = 10940416
Next to write = 10940416
Creating swath, imageLineIndex = -269; swathCounter = 3
Image buffer = 10010020
Valid data = 16410624
Next to write = 16410624

```



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Transfer of 0x014dcf00 bytes already in progress
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
Download complete
PrintCtl: Swath 0: configuring heads CBA
HXL: Setting read pointer to 0x01ffc168 (16-bit word)
PRINTCTL: Resetting read pointer 0
HXL: Setting read pointer to 0x00000000 (16-bit word)
Bank switch interrupt NOT signalled just after resetting read pointer
HXL: Setting write pointer to 0x00000000 (16-bit word)
Setting up download:
Buffer:          0x114ee020
Offset:          0x00000000
Total size:      0x014dcf00
Block size:      0x00000000
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
HWIF: About to call printSwath function.
    direction = forward, size = 21876480, start of plot = -118.976378, image
data width = 60.608504.
    carriage speed = 37.70.
    Lamp:          Home          Away
    On:            -113.39       -130.97
    Off:           -52.37        -70.37
    Shutter time:  320 ms
HARDWARE: Calling ar30 printSwath function.
Home lamp on: -2879992, off: -1330144
Away lamp on: -3326650, off: -1787344
PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt
Setting SOS comparator to ffd1e350
Setting EOS comparator to ffe960d1
Setting swath width to a6e780
HARDWARE: Moving carriage: position = -45.7087, speed = 37.7008, accel = 107,
decel = 120, rampType = 2.
PRINTCTL: Just called print swath with line index = -650.
Output semaphore released, previous count = 0
Creating swath, imageLineIndex = 121; swathCounter = 6
    Image buffer = 10010020
    Valid data = 27351040
    Next to write = 0
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x3000000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Start of swath.
PRINTCTL: Interrupt received: 40
PRINTCTL: Start of swath interrupt at carriage position = -118.968937
                                         media position    = 5.566189
                                         gantry position     = 14.157835

Wait time = 1849
Checking for continue, status = 1
Checking for download

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```
Read pointer at      0x00000000
Buffer pointer at   0x114ee020
Downloaded:         0x00000000
Still to download: 0x014dcf00
Downloading:        0x00000000
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x200000, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage Board bad frame length.
INTERRUPT: Carriage Board link error count = 7.
INTERRUPT: status DMA = 0x0,DRC = 0x200000, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage Board bad frame length.
INTERRUPT: Carriage Board link error count = 8.
INTERRUPT: status DMA = 0x0,DRC = 0x200000, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage Board bad frame length.
INTERRUPT: Carriage Board link error count = 9.
INTERRUPT: status DMA = 0x0,DRC = 0x200000, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage Board bad frame length.
INTERRUPT: Carriage Board link error count = 10.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt
Checking for continue, status = 1
Checking for download
Read pointer at      0x01000000
Buffer pointer at   0x114ee020
Downloaded:         0x00000000
Still to download: 0x014dcf00
Downloading:        0x01000000
Downloading: Buffer = 0x114ee020
                  Size = 0x01000000
HXL: Downloading 0x01000000 bytes using DMA
Wait time = 1849
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
Checking for continue, status = 2
Checking for download
Read pointer at      0x01000000
Buffer pointer at   0x114ee020
Downloaded:         0x01000000
Still to download: 0x004dcf00
Downloading:        0x00000000
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0xC00000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: End of swath.
PRINTCTL: Interrupt received: 20000
PRINTCTL: End of swath interrupt at carriage position = -58.360315
                                          media position   = 5.566251
                                          gantry position    = 14.157992

Checking for continue, status = 0
Checking for download
Read pointer at      0x01000000
Buffer pointer at   0x114ee020
Downloaded:         0x01000000
Still to download: 0x004dcf00
```

Downloading: 0x004dcf00
Downloading: Buffer = 0x124ee020
Size = 0x004dcf00
HXL: Downloading 0x004dcf00 bytes using DMA
Doing slow-scan advance to line index -520
S_ImageDone: imageLineIndex = -520; linesToDo = 19527
Starting slow scan move
HARDWARE: Moving gantry: displacement = 0.28832, speed = 5, accel = 10, decel = 10, rampType = 2.
Total slowscan move time = 824
Fastscan start time = 3218995
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
S_ImageDone: imageLineIndex = -520; linesToDo = 19527
Head 0: T = 44.41, V = 22.07
Head 1: T = 44.77, V = 21.80
Head 2: T = 44.90, V = 23.11
Head 3: T = 45.62, V = 22.65
Head 4: T = 45.26, V = 23.07
Head 5: T = 45.26, V = 22.17
Head 6: T = 44.05, V = 22.79
Head 7: T = 39.92, V = 23.08
Head 8: T = 46.05, V = 21.29
Head 9: T = 45.92, V = 22.09
Download complete
PrintCtl: Swath 1: configuring heads ABC
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt
PRINTCTL: Resetting read pointer 0
HXL: Setting read pointer to 0x00000000 (16-bit word)
Bank switch interrupt NOT signalled just after resetting read pointer
HXL: Setting write pointer to 0x00000000 (16-bit word)
Setting up download:
Buffer: 0x129cc020
Offset: 0x00000000
Total size: 0x014dcf00
Block size: 0x00000000
HWIF: About to call printSwath function.
direction = reverse, size = 21876480, start of plot = -118.976378, image
data width = 60.608504.
carriage speed = 37.70.
Lamp: Home Away
On: -45.96 -63.96
Off: -106.98 -124.98
Shutter time: 320 ms
HARDWARE: Calling ar30 printSwath function.
Home lamp on: -2717200, off: -1167352
Away lamp on: -3174400, off: -1624552
Setting SOS comparator to ffe960d1
Setting EOS comparator to ffd1e350
Setting swath width to a6e780
HARDWARE: Moving carriage: position = -131.22, speed = 37.7008, accel = 107,
decel = 120, rampType = 2.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Interrupt received: 20

PRINTCTL: SDRAM bank switch interrupt
PRINTCTL: Just called print swath with line index = -520.
Output semaphore released, previous count = 0
Creating swath, imageLineIndex = 251; swathCounter = 7
Image buffer = 10010020
Valid data = 27351040
Next to write = 5470208
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x3000000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Start of swath.
PRINTCTL: Interrupt received: 40
PRINTCTL: Start of swath interrupt at carriage position = -58.374843
media position = 5.566292
gantry position = 14.446457

Wait time = 1849
Checking for continue, status = 1
Checking for download
Read pointer at 0x00000000
Buffer pointer at 0x129cc020
Downloaded: 0x00000000
Still to download: 0x014dcf00
Downloading: 0x00000000
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x200000, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage Board bad frame length.
INTERRUPT: Carriage Board link error count = 11.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt
Checking for continue, status = 1
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x129cc020
Downloaded: 0x00000000
Still to download: 0x014dcf00
Downloading: 0x01000000
Downloading: Buffer = 0x129cc020
Size = 0x01000000
HXL: Downloading 0x01000000 bytes using DMA
Wait time = 1849
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
Checking for continue, status = 2
Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x129cc020
Downloaded: 0x01000000
Still to download: 0x004dcf00
Downloading: 0x00000000
Wait time = 1849
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0xC00000,Gantry = 0x0,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: End of swath.
PRINTCTL: Interrupt received: 20000
PRINTCTL: End of swath interrupt at carriage position = -118.982795
media position = 5.566189
gantry position = 14.446299

Checking for continue, status = 0

Checking for download
Read pointer at 0x01000000
Buffer pointer at 0x129cc020
Downloaded: 0x01000000
Still to download: 0x004dcf00
Downloading: 0x004dcf00
Downloading: Buffer = 0x139cc020
Size = 0x004dcf00
HXL: Downloading 0x004dcf00 bytes using DMA
Doing slow-scan advance to line index -390
S_ImageDone: imageLineIndex = -390; linesToDo = 19527
Starting slow scan move
HARDWARE: Moving gantry: displacement = 0.288333, speed = 5, accel = 10, decel = 10, rampType = 2.
Total slowscan move time = 824
Fastscan start time = 3221902
INTERRUPT: status DMA = 0x4,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Image data DMA Completed.
PRINTCTL: Interrupt received: 80
PRINTCTL: DMA complete interrupt
S_ImageDone: imageLineIndex = -390; linesToDo = 19527
Head 0: T = 44.44, V = 22.07
Head 1: T = 44.77, V = 21.80
Head 2: T = 44.90, V = 23.11
Head 3: T = 45.59, V = 22.66
Head 4: T = 45.26, V = 23.07
Head 5: T = 45.22, V = 22.18
Head 6: T = 44.05, V = 22.79
Head 7: T = 39.89, V = 23.08
Head 8: T = 46.05, V = 21.29
Head 9: T = 45.92, V = 22.09
Download complete
PrintCtl: Swath 2: configuring heads CBA
HXL: Setting read pointer to 0x01ffc168 (16-bit word)
PRINTCTL: Resetting read pointer 0
HXL: Setting read pointer to 0x00000000 (16-bit word)
HXL: Setting write pointer to 0x00000000 (16-bit word)
Setting up download:
Buffer: 0x13eaa020
Offset: 0x00000000
Total size: 0x014dcf00
Block size: 0x00000000
HWIF: About to call printSwath function.
direction = forward, size = 21876480, start of plot = -118.976378, image
data width = 60.608504.
carriage speed = 37.70.
Lamp: Home Away
On: -113.39 -130.97
Off: -52.37 -70.37
Shutter time: 320 ms
HARDWARE: Calling ar30 printSwath function.
Home lamp on: -2879992, off: -1330144
Away lamp on: -3326650, off: -1787344
Setting SOS comparator to ffd1e350
Setting EOS comparator to ffe960d1
Setting swath width to a6e780
HARDWARE: Moving carriage: position = -45.7087, speed = 37.7008, accel = 107,
decel = 120, rampType = 2.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x300000,Gantry = 0x0,System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Swath buffer bank change.
PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt

PRINTCTL: Just called print swath with line index = -390.
Output semaphore released, previous count = 0
Creating swath, imageLineIndex = 381; swathCounter = 8
Image buffer = 10010020
Valid data = 27351040
Next to write = 10940416
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x3000000,Gantry = 0x0,System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Start of swath.
PRINTCTL: Interrupt received: 40
PRINTCTL: Start of swath interrupt at carriage position = -118.970394
media position = 5.566127
gantry position = 14.734449

Wait time = 1849
Checking for continue, status = 1
Checking for download
Read pointer at 0x00000000
Buffer pointer at 0x13eaa020
Downloaded: 0x00000000
Still to download: 0x014dcf00
Downloading: 0x00000000
Wait time = 1849
STEPPER: Left stepper stalls. Stop driving.
EVENT: 20:03:40 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
New SysCtrl error 0x0 -> 0x10.
EVENT: 20:03:40 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
Printer Error: Gantry toggle state: 0, 0.
Error - job failed => canceling PC.
++++ Print state changed from 8 to 9.
Print state: Gantry toggle state: 0, 0.
HWIF: z1 = 2178, z2 = 2177
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
Lamp system state changed from 1 -> 3. Last Sys state = 1
Wait for data event timed out?
PRINT CONTROLLER: Error waiting for swath to complete
Error: 00000505
S_ImageDone: imageLineIndex = -260; linesToDo = 19527
Print cancelled due to error
SWATH: Cancelling.
Error: 00000000
INPUT: Cannot release before successfully initting
Error: 00000403
Error: 00000000
INPUT: Cannot release before successfully initting
Error: 00000403
Buffer state at input finished:
Index:
Buffer size: 4096
First valid data: 520
Valid data: 4096
First data to read: 520
First data to write: 520
Start offset: 722280
End offset: 6411623
Image:

Buffer size: 6710259
 First valid data: 722280
 Valid data: 6710259
 Last valid data: 7432538
 First data to read: 722280
 First data to write: 722280
 INPUT: Last line not valid at input done!
 INPUT: Input finished, state=4. Thread sleeping.
 PRINTCTL: Print stats:

Pixel counts:

	Cyan	Magenta	Yellow	Black	
0:	0	0	0	0	0
1:	666248	354519	935706	4670	0
2:	0	0	0	0	0
3:	93441	34712	20593	0	0
4:	4975	1090	0	1523	0
5:	0	0	0	11762	0
6:	0	0	0	0	0
7:	0	0	0	0	0
8:	0	0	0	0	0
9:	0	0	0	0	0
10:	0	0	0	0	0
0					
11:	0	0	0	0	0
0					
12:	0	0	0	0	0
0					
13:	0	0	0	0	0
0					
14:	0	0	0	0	0
0					
15:	0	0	0	0	0
0					

SMPH: 598.855
 SWATH: Cancelling.
 SWATH: Cancelled.
 EVENT: 20:03:42 : CAS 31-0-20: PrntCtrl error during the print.
 PC Done - start postPrint motion.
 ++++ Print state changed from 9 to 10.
 Print state: Gantry toggle state: 0, 0.
 No postPrint motion - Done.
 ++++ Print state changed from 10 to 12.
 Print state: Gantry toggle state: 1, 0.
 INK UPDATE - NEW.
 EVENT: 20:03:42 : CAS 31-0-64: Last job print mode: Q Layered. Ink drop levels used (1234567): 1011110.
 INK UPDATE on 0
 Updating Ink Bag Info, Colour 0, NoOfColours 5.
 No need to set last used and low level type on 0. Type plugged 8
 No need for ink update event on 0 (N11111111111111).
 MC - Set ink bag SN on 0: cur = 16142028066139417917, last = 16142028066139417917, new = 16142028066139417917.
 Vol(new): 5
 Vol(old): 612224
 Vol(to write): 612229
 Update good. Retry Cnts = 0, 0
 SCIU - Ink bag update(Clr-0, Total:612229 (new 5) microL).
 INK UPDATE on 1
 Updating Ink Bag Info, Colour 1, NoOfColours 5.
 No need to set last used and low level type on 1. Type plugged 8
 No need for ink update event on 1 (N11111111111111).
 MC - Set ink bag SN on 1: cur = 16142028066139417782, last = 16142028066139417782, new = 16142028066139417782.
 Vol(new): 2

Vol(old): 1254437
Vol(to write): 1254439
Update good. Retry Cnts = 0, 0
SCIU - Ink bag update(Clr-1, Total:1254439 (new 2) microL).
INK UPDATE on 2
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N1111111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Vol(new): 5
Vol(old): 159995
Vol(to write): 160000
Update good. Retry Cnts = 0, 0
SCIU - Ink bag update(Clr-2, Total:160000 (new 5) microL).
INK UPDATE on 3
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N1111111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Vol(new): 0
Vol(old): 254544
Vol(to write): 254544
Update good. Retry Cnts = 0, 0
SCIU - Ink bag update(Clr-3, Total:254544 (new 0) microL).
INK UPDATE on 4
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N1111111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
Vol(new): 0
Vol(old): 164433
Vol(to write): 164433
Update good. Retry Cnts = 0, 0
SCIU - Ink bag update(Clr-4, Total:164433 (new 0) microL).
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt
Setting swath width to 1ffea30
UI Machine State changed from 10 to 5.
++++ Print state changed from 12 to 0.
Print state: Gantry toggle state: 1, 0.
Flags on clr 0 changed: 2 -> 74.
Flags on clr 1 changed: 2 -> 74.
Flags on clr 2 changed: 2 -> 74.
Flags on clr 3 changed: 2 -> 74.
Flags on clr 4 changed: 54 -> 126.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
InkServo - All levels good.
InkServo - Turning OFF clr 0.

InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Error: lamp ballast AC relay off, but lamp is still burnt-in.
EVENT: 20:03:45 : CAS 01-3-24: Carriage Lamp System: Error - Right UV lamp
ballast relay failure.
UV Lamp relay failure 0.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
Motion error Reset.
InkServo - Init to On.
EVENT: 20:03:48 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
UI Machine State changed from 5 to 0.
InkServo - Ink Servo and White Recirc ON.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Seq. State Changed from 100 to 139.
New SysCtrl error 0x10 -> 0x0.
SysErr1, New - 0, Old - 16
EVENT: 20:03:48 : CAS 31-0-39: Hardware initializing 1 2
EVENT: 20:03:48 : CAS 31-0-26: System control error (ID-1, SubID-0).
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =

16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:03:49 : CAS 31-0-39: Hardware initializing 4 0
EVENT: 20:03:49 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
STEPPER: Left z-axis motor, no encoder feedback!
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
Motion Error: fb - 1, r2r - 1!
New SysCtrl error 0x0 -> 0x10.
EVENT: 20:03:50 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion error - stopping all motion.
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
EVENT: 20:03:50 : CAS 31-0-25: Seq 1 failed. Last state: 16.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
InkServo - Init to On.
InkServo - Turning ON clr 0.

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**InkServo** - Turning ON clr 1.
**InkServo** - Turning ON clr 2.
**InkServo** - Turning ON clr 3.
UI Machine State changed from 16 to 0.
EVENT: 20:03:51 : CAS 31-0-39: Hardware initializing 1 0
**InkServo** - Ink Servo and White Recirc ON.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
SysErr1, New - 0, Old - 16
EVENT: 20:03:51 : CAS 31-0-39: Hardware initializing 1 2
EVENT: 20:03:51 : CAS 31-0-26: System control error (ID-1, SubID-0).
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
**InkServo** - All levels good.
**InkServo** - Turning OFF clr 0.
**InkServo** - Turning OFF clr 1.
**InkServo** - Turning OFF clr 2.
**InkServo** - Turning OFF clr 3.
**InkServo** - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Seq. State Changed from 135 to 136.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 136 to 108.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:03:52 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:03:52 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
```

Motion Error: fb - 1, r2r - 1!
New SysCtrl error 0x0 -> 0x10.
Motion error - stopping all motion.
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
EVENT: 20:03:53 : CAS 31-0-25: Seq 1 failed. Last state: 16.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
EVENT: 20:03:54 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Init to On.
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
UI Machine State changed from 16 to 0.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
EVENT: 20:03:55 : CAS 31-0-39: Hardware initializing 1 2
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
SysErr1, New - 0, Old - 16
EVENT: 20:03:55 : CAS 31-0-26: System control error (ID-1, SubID-0).
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Updating Ink Bag Info, Colour 3, NoOfColours 5.

No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N1111111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:03:55 : CAS 31-0-39: Hardware initializing 4 0
EVENT: 20:03:55 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
STEPPER: Left z-axis motor, no encoder feedback!
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N1111111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
Motion Error: fb - 1, r2r - 1!
New SysCtrl error 0x0 -> 0x10.
EVENT: 20:03:56 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
Motion error - stopping all motion.
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
EVENT: 20:03:56 : CAS 31-0-25: Seq 1 failed. Last state: 16.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
InkServo - Init to On.
EVENT: 20:03:58 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
UI Machine State changed from 16 to 0.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
SysErr1, New - 0, Old - 16
EVENT: 20:03:58 : CAS 31-0-39: Hardware initializing 1 2
EVENT: 20:03:58 : CAS 31-0-26: System control error (ID-1, SubID-0).
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N1111111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.

InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:03:58 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:03:58 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
Motion Error: fb - 1, r2r - 1!
New SysCtrl error 0x0 -> 0x10.
EVENT: 20:03:59 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion error - stopping all motion.
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
EVENT: 20:03:59 : CAS 31-0-25: Seq 1 failed. Last state: 16.
SysErr1, New - 16, Old - 0
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
InkServo - Init to On.
InkServo - Turning ON clr 0.
UI Machine State changed from 16 to 0.
EVENT: 20:04:01 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.

InkServo - Ink Servo and White Recirc ON.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Seq. State Changed from 112 to 139.
EVENT: 20:04:01 : CAS 31-0-39: Hardware initializing 1 2
New SysCtrl error 0x10 -> 0x0.
EVENT: 20:04:01 : CAS 31-0-26: System control error (ID-1, SubID-0).
SysErr1, New - 0, Old - 16
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:04:01 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:04:01 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
Motion Error: fb - 1, r2r - 1!
New SysCtrl error 0x0 -> 0x10.
Motion error - stopping all motion.
EVENT: 20:04:02 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion Error: fb - 0, r2r - 1!

Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
EVENT: 20:04:02 : CAS 31-0-25: Seq 1 failed. Last state: 16.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
InkServo - Init to On.
EVENT: 20:04:03 : CAS 31-0-39: Hardware initializing 1 0
UI Machine State changed from 16 to 0.
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
EVENT: 20:04:03 : CAS 31-0-39: Hardware initializing 1 2
EVENT: 20:04:03 : CAS 31-0-26: System control error (ID-1, SubID-0).
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Seq. State Changed from 135 to 136.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 136 to 108.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:04:04 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:04:04 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor

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no feedback.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
Motion Error: fb - 1, r2r - 1!
New SysCtrl error 0x0 -> 0x10.
EVENT: 20:04:05 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
Motion error - stopping all motion.
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
EVENT: 20:04:08 : CAS 03-5-12: Carriage Motion System: Error - Servo following
error.
MOTION: Carriage motion data logged on 20: 4: 8
cmdEnc1      ganEnc      Enc1  Enc2  Duty  State
-2721653    373883      -2716876  0    -2300 6
-2721653    373880      -2716799  0    -2300 6
-2721653    373877      -2716720  0    -2300 6
-2721653    373875      -2716641  0    -2300 6
-2721653    373872      -2716561  0    0      9
State table:
 2 -- ramp up
 3 -- at speed
 4 -- ramp down
 5 -- hold
 6 -- hold
 7 -- direct duty
 8 -- no motion error. No encoder change in spite of high duty. Cable
disconnected?
 9 -- following error too big or encoder fault (big jump)
    Dual drive case: the difference of the two encoders too big?
10 -- PWM fault. Carriage guard tripped? Over current or voltage?
MOTION: Motor 0 number of logs: 6
MOTION: Gantry motion data logged on 20: 4: 9
EVENT: 20:04:09 : CAS 15-5-03: Gantry Motion System: Error - Servo following
error.
cmdEnc      cmdEnc2      Enc  Enc2  Duty  Duty2  State  carEnc
374259      374259      375436 374247 -781 -514 6 -2669771
374259      374259      375464 374248 -696 -519 6 -2669316
374259      374259      375493 374248 -609 -493 6 -2668860
374259      374259      375522 374249 -546 -522 6 -2668404
374259      374259      375552 374250 0 0 9 -2667948
State table:
 2 -- ramp up
 3 -- at speed

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4 -- ramp down
5 -- hold
6 -- hold
7 -- direct duty
8 -- no motion error. No encoder change in spite of high duty. Cable
disconnected?
9 -- following error too big or encoder fault (big jump)
    Dual drive case: the difference of the two encoders too big?
10 -- PWM fault. Carriage guard tripped? Over current or voltage?
MOTION: Motor 1 number of logs: 8
MOTION: Motor 0 motion data counter: 11124
MOTION: Motor 0 motion data counter from PowerPC: 11124
MOTION: Gantry 2 motion data logged on 20: 4:10
cmdEnc1      carEnc      Enc1  Enc2  Duty  State
374259      -2669771    374247    0    -514  6
374259      -2669316    374248    0    -519  6
374259      -2668860    374248    0    -493  6
374259      -2668404    374249    0    -522  6
374259      -2667948    374250    0     0    9
State table:
2 -- ramp up
3 -- at speed
4 -- ramp down
5 -- hold
6 -- hold
7 -- direct duty
8 -- no motion error. No encoder change in spite of high duty. Cable
disconnected?
9 -- following error too big or encoder fault (big jump)
    Dual drive case: the difference of the two encoders too big?
10 -- PWM fault. Carriage guard tripped? Over current or voltage?
MOTION: Motor 2 number of logs: 6
MOTION: Motor 1 motion data counter: 10016
MOTION: Motor 1 motion data counter from PowerPC: 10016
MOTION: Motor 2 motion data counter: 22512
MOTION: Motor 2 motion data counter from PowerPC: 22512
New SysCtrl error 0x10 -> 0x12.
SysErr1, New - 18, Old - 16
New SysCtrl error 0x12 -> 0x16.
SysErr1, New - 22, Old - 18
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0xC0000,Roll to Roll = 0x0
INTERRUPT: Gantry PWM fault.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0xC0000,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage PWM fault.
CR Guard changed from 0 to 1.
CR Guard - Motor servo disabled.**InkServo** - Turning OFF clr 0.
**InkServo** - Turning OFF clr 1.
**InkServo** - Turning OFF clr 2.
**InkServo** - Turning OFF clr 3.
**InkServo** - Turning OFF clr 4.
Turning Table Vacuum 0: OFF.
Turning Table Vacuum 1: OFF.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
EVENT: 20:04:15 : CAS 27-0-16: Starting ink cooldown.
Ink heat cooldown requested at time 3257421
Coolant heater switched off
Safety - stopping carriage move.
EVENT: 20:04:15 : CAS 27-0-14: Carriage safety switch status changed. State: 1

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Safety - moving carriage up to 51263.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
Flags on clr 4 changed: 126 -> 90.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Disabling Degas. Servo mode = 1.
Head voltage disable, 0x000003ff
EVENT: 20:04:15 : CAS 27-0-13: Ink heat servo state change 0
Head VOLTAGE disabled for all heads.
STEPPER: Error! Not initialized yet.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 20:04:16 : CAS 27-0-14: Carriage safety switch
status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetEVENT: 20:04:26 : CAS 27-0-12: E-Stop status changed.
State: 0
InkServo - Init to On.
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
Interlock: Gantry toggle state: 1, 0.
UI Machine State changed from 16 to 0.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
HWIF: Received following heat servo parameters:
coolantLowTimeout = 5000
reservoirOverTemp = 10.00
tempRiseRate = 0.05
tempRisePeriod = 60000
tempRiseCutoff = 1.00
tempDropoff = 5.00
thermistorLogicEnabled = 1
temperatureHeadUsed = 4
thermistorLogicMaxDeviation = 2.000
head 0 thermistorStatus = 2
head 1 thermistorStatus = 2
head 2 thermistorStatus = 0
head 3 thermistorStatus = 1
head 4 thermistorStatus = 0
head 5 thermistorStatus = 0
head 6 thermistorStatus = 0
head 7 thermistorStatus = 1
head 8 thermistorStatus = 0
head 9 thermistorStatus = 0
INKSERVO: Updating thermistor status.
Coolant heater switched on
EVENT: 20:04:26 : CAS 31-0-39: Hardware initializing 1 2
Seq. State Changed from 112 to 139.
New SysCtrl error 0x16 -> 0x0.
EVENT: 20:04:26 : CAS 31-0-26: System control error (ID-1, SubID-0).
SysErr1, New - 0, Old - 22
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Flags on clr 4 changed: 90 -> 126.
Pressure servo: setting level to 0.440000

Pressure servo: setting level to 5.000000
Pressure servo: setting level to 12.000000
Enabling Degas. Servo mode = 1.
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
EVENT: 20:04:26 : CAS 27-0-13: Ink heat servo state change 1
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0xC0000, Roll to Roll = 0x0
INTERRUPT: Gantry PWM fault.
Seq. State Changed from 135 to 136.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0xC0000,System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Carriage PWM fault.
Seq. State Changed from 136 to 108.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:04:26 : CAS 31-0-39: Hardware initializing 4 0
EVENT: 20:04:27 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
STEPPER: Left z-axis motor, no encoder feedback!
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
Ink timeout check: Time = 3268.984000
 Target = 0.000000
 Temp = 45.041993
Temperature setpoint achieved (or close enough)
EVENT: 20:04:27 : CAS 27-0-15: Ink heat servo has reached setpoint.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Motion Error: fb - 1, r2r - 1!
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
New SysCtrl error 0x0 -> 0x10.
Motion error - stopping all motion.
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.

SysErr1, New - 16, Old - 0
EVENT: 20:04:28 : CAS 31-0-25: Seq 1 failed. Last state: 16.
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
InkServo - Init to On.
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
UI Machine State changed from 16 to 0.
EVENT: 20:04:30 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Ink Servo and White Recirc ON.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
EVENT: 20:04:30 : CAS 31-0-39: Hardware initializing 1 2
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
EVENT: 20:04:30 : CAS 31-0-26: System control error (ID-1, SubID-0).
SysErr1, New - 0, Old - 16
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:04:30 : CAS 31-0-39: Hardware initializing 4 0

STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:04:30 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor no feedback.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type on 4. Type plugged 8
No need for ink update event on 4 (N1111111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last = 16142028066125562692, new = 16142028066125562692.
New SysCtrl error 0x0 -> 0x10.
Motion error - stopping all motion.
EVENT: 20:04:31 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
EVENT: 20:04:31 : CAS 31-0-25: Seq 1 failed. Last state: 16.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
InkServo - Init to On.
InkServo - Turning ON clr 0.
EVENT: 20:04:32 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
UI Machine State changed from 16 to 0.
InkServo - Ink Servo and White Recirc ON.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
EVENT: 20:04:32 : CAS 31-0-39: Hardware initializing 1 2
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
SysErr1, New - 0, Old - 16
EVENT: 20:04:32 : CAS 31-0-26: System control error (ID-1, SubID-0).
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N1111111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last = 16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N1111111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =

16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N1111111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N1111111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:04:33 : CAS 31-0-39: Hardware initializing 4 0
EVENT: 20:04:33 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
STEPPER: Left z-axis motor, no encoder feedback!
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N1111111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
Motion Error: fb - 1, r2r - 1!
New SysCtrl error 0x0 -> 0x10.
Motion error - stopping all motion.
EVENT: 20:04:34 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
EVENT: 20:04:34 : CAS 31-0-25: Seq 1 failed. Last state: 16.
SysErr1, New - 16, Old - 0
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
EVENT: 20:04:36 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Init to On.
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
UI Machine State changed from 16 to 0.
InkServo - Ink Servo and White Recirc ON.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
EVENT: 20:04:36 : CAS 31-0-39: Hardware initializing 1 2
EVENT: 20:04:36 : CAS 31-0-26: System control error (ID-1, SubID-0).

SysErr1, New - 0, Old - 16
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N1111111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N1111111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N1111111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N1111111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Seq. State Changed from 136 to 108.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:04:36 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:04:36 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
Motion Error: fb - 1, r2r - 1!
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N1111111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
New SysCtrl error 0x0 -> 0x10.
Motion error - stopping all motion.
EVENT: 20:04:37 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
EVENT: 20:04:37 : CAS 31-0-25: Seq 1 failed. Last state: 16.

UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0xC0000,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage PWM fault.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0xC0000,Roll to Roll = 0x0
INTERRUPT: Gantry PWM fault.
CR Guard changed from 0 to 1.
CR Guard - Motor servo disabled.**InkServo** - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Ink heat cooldown requested at time 3281703
Coolant heater switched off
Safety - stopping carriage move.
EVENT: 20:04:40 : CAS 27-0-16: Starting ink cooldown.
HWIF: z1 = 0, z2 = 0
EVENT: 20:04:40 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Safety - moving carriage up to 51263.
Flags on clr 4 changed: 126 -> 90.
Disabling Degas. Servo mode = 1.
EVENT: 20:04:40 : CAS 27-0-13: Ink heat servo state change 0
STEPPER: Error! Not initialized yet.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 20:04:41 : CAS 27-0-14: Carriage safety switch
status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetEVENT: 20:04:46 : CAS 27-0-12: E-Stop status changed.
State: 0
EVENT: 20:04:46 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Init to On.
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
Interlock: Gantry toggle state: 1, 0.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
UI Machine State changed from 16 to 0.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
HWIF: Received following heat servo parameters:
coolantLowTimeout = 5000
reservoirOverTemp = 10.00
tempRiseRate = 0.05
tempRisePeriod = 60000
tempRiseCutoff = 1.00
tempDropoff = 5.00
thermistorLogicEnabled = 1
temperatureHeadUsed = 4
thermistorLogicMaxDeviation = 2.000
head 0 thermistorStatus = 2
head 1 thermistorStatus = 2

head 2 thermistorStatus = 0
head 3 thermistorStatus = 1
head 4 thermistorStatus = 0
head 5 thermistorStatus = 0
head 6 thermistorStatus = 0
head 7 thermistorStatus = 1
head 8 thermistorStatus = 0
head 9 thermistorStatus = 0
INKSERVO: Updating thermistor status.
Coolant heater switched on
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
SysErr1, New - 0, Old - 16
EVENT: 20:04:46 : CAS 31-0-39: Hardware initializing 1 2
EVENT: 20:04:46 : CAS 31-0-26: System control error (ID-1, SubID-0).
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Flags on clr 4 changed: 90 -> 126.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
Pressure servo: setting level to 12.000000
Enabling Degas. Servo mode = 1.
EVENT: 20:04:46 : CAS 27-0-13: Ink heat servo state change 1
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0xC0000,System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Carriage PWM fault.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0xC0000, Roll to Roll = 0x0
INTERRUPT: Gantry PWM fault.
Ink timeout check: Time = 3288.656000
 Target = 0.000000
 Temp = 44.987272
Temperature setpoint achieved (or close enough)
EVENT: 20:04:46 : CAS 27-0-15: Ink heat servo has reached setpoint.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:04:47 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:04:47 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor

no feedback.
Seq. State Changed from 108 to 112.
Motion Error: fb - 1, r2r - 1!
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N1111111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N1111111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
New SysCtrl error 0x0 -> 0x10.
EVENT: 20:04:48 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
Motion error - stopping all motion.
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
EVENT: 20:04:48 : CAS 31-0-25: Seq 1 failed. Last state: 16.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
InkServo - Init to On.
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
EVENT: 20:04:50 : CAS 31-0-39: Hardware initializing 1 0
UI Machine State changed from 16 to 0.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
SysErr1, New - 0, Old - 16
EVENT: 20:04:50 : CAS 31-0-39: Hardware initializing 1 2
EVENT: 20:04:50 : CAS 31-0-26: System control error (ID-1, SubID-0).
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N1111111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.

Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
STEPPER: start initializing stepper system..
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:04:50 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:04:50 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
New SysCtrl error 0x0 -> 0x10.
EVENT: 20:04:51 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
Motion error - stopping all motion.
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
EVENT: 20:04:51 : CAS 31-0-25: Seq 1 failed. Last state: 16.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
InkServo - Init to On.
InkServo - Turning ON clr 0.
UI Machine State changed from 16 to 0.
EVENT: 20:04:58 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.

EVENT: 20:04:58 : CAS 31-0-39: Hardware initializing 1 2
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
EVENT: 20:04:58 : CAS 31-0-26: System control error (ID-1, SubID-0).
SysErr1, New - 0, Old - 16
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:04:59 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:04:59 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
Motion Error: fb - 1, r2r - 1!
New SysCtrl error 0x0 -> 0x10.
Motion error - stopping all motion.
EVENT: 20:05:00 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.

R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
EVENT: 20:05:00 : CAS 31-0-25: Seq 1 failed. Last state: 16.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
InkServo - Init to On.
EVENT: 20:05:02 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Turning ON clr 1.
UI Machine State changed from 16 to 0.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
EVENT: 20:05:02 : CAS 31-0-39: Hardware initializing 1 2
SysErr1, New - 0, Old - 16
EVENT: 20:05:02 : CAS 31-0-26: System control error (ID-1, SubID-0).
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:05:02 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:05:02 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.

Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
Motion Error: fb - 1, r2r - 1!
New SysCtrl error 0x0 -> 0x10.
EVENT: 20:05:03 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion error - stopping all motion.
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
EVENT: 20:05:03 : CAS 31-0-25: Seq 1 failed. Last state: 16.
SysErr1, New - 16, Old - 0
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0xC0000, System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage PWM fault.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0, System
Control = 0xC0000,Roll to Roll = 0x0
INTERRUPT: Gantry PWM fault.
CR Guard changed from 0 to 1.
CR Guard - Motor servo disabled.**InkServo** - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
EVENT: 20:05:04 : CAS 27-0-16: Starting ink cooldown.
Ink heat cooldown requested at time 3306140
Coolant heater switched off
Safety - stopping carriage move.
HWIF: z1 = 0, z2 = 0
EVENT: 20:05:04 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Safety - moving carriage up to 51263.
Flags on clr 4 changed: 126 -> 90.
Disabling Degas. Servo mode = 1.
EVENT: 20:05:04 : CAS 27-0-13: Ink heat servo state change 0
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
STEPPER: Error! Not initialized yet.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 20:05:05 : CAS 27-0-14: Carriage safety switch
status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
Estop/CR Guard/Door Reset**InkServo** - Init to On.
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.

EVENT: 20:05:07 : CAS 27-0-12: E-Stop status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
InkServo - Ink Servo and White Recirc ON.
EVENT: 20:05:07 : CAS 31-0-39: Hardware initializing 1 0
UI Machine State changed from 16 to 0.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
HWIF: Received following heat servo parameters:
coolantLowTimeout = 5000
reservoirOverTemp = 10.00
tempRiseRate = 0.05
tempRisePeriod = 60000
tempRiseCutoff = 1.00
tempDropoff = 5.00
thermistorLogicEnabled = 1
temperatureHeadUsed = 4
thermistorLogicMaxDeviation = 2.000
head 0 thermistorStatus = 2
head 1 thermistorStatus = 2
head 2 thermistorStatus = 0
head 3 thermistorStatus = 1
head 4 thermistorStatus = 0
head 5 thermistorStatus = 0
head 6 thermistorStatus = 0
head 7 thermistorStatus = 1
head 8 thermistorStatus = 0
head 9 thermistorStatus = 0
INKSERVO: Updating thermistor status.
Coolant heater switched on
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
EVENT: 20:05:07 : CAS 31-0-39: Hardware initializing 1 2
EVENT: 20:05:07 : CAS 31-0-26: System control error (ID-1, SubID-0).
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Flags on clr 4 changed: 90 -> 126.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
Pressure servo: setting level to 12.000000
Enabling Degas. Servo mode = 1.
EVENT: 20:05:08 : CAS 27-0-13: Ink heat servo state change 1
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Seq. State Changed from 135 to 136.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0xC0000, System
Control = 0x0, Roll to Roll = 0x0

INTERRUPT: Carriage PWM fault.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0xC0000, Roll to Roll = 0x0
INTERRUPT: Gantry PWM fault.
Seq. State Changed from 136 to 108.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:05:08 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:05:08 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
Ink timeout check: Time = 3309.828000
 Target = 0.000000
 Temp = 44.818298
Temperature setpoint achieved (or close enough)
EVENT: 20:05:08 : CAS 27-0-15: Ink heat servo has reached setpoint.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Motion Error: fb - 1, r2r - 1!
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
New SysCtrl error 0x0 -> 0x10.
EVENT: 20:05:09 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion error - stopping all motion.
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
InkServo - Init to On.
EVENT: 20:05:11 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
UI Machine State changed from 16 to 0.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.

Temperature Set Point for colour 4 = 45.000000.
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
EVENT: 20:05:11 : CAS 31-0-39: Hardware initializing 1 2
SysErr1, New - 0, Old - 16
EVENT: 20:05:11 : CAS 31-0-26: System control error (ID-1, SubID-0).
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Seq. State Changed from 140 to 135.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:05:11 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:05:11 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
Motion Error: fb - 1, r2r - 1!
New SysCtrl error 0x0 -> 0x10.
Motion error - stopping all motion.
EVENT: 20:05:13 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.

R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
EVENT: 20:05:13 : CAS 31-0-25: Seq 1 failed. Last state: 16.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
InkServo - Init to On.
EVENT: 20:05:14 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
UI Machine State changed from 16 to 0.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
SysErr1, New - 0, Old - 16
EVENT: 20:05:14 : CAS 31-0-39: Hardware initializing 1 2
EVENT: 20:05:14 : CAS 31-0-26: System control error (ID-1, SubID-0).
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:05:14 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:05:14 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor

no feedback.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last = 16142028066125562692, new = 16142028066125562692.
Motion Error: fb - 1, r2r - 1!
New SysCtrl error 0x0 -> 0x10.
EVENT: 20:05:15 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion error - stopping all motion.
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
EVENT: 20:05:15 : CAS 31-0-25: Seq 1 failed. Last state: 16.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
InkServo - Init to On.
InkServo - Turning ON clr 0.
UI Machine State changed from 16 to 0.
EVENT: 20:05:17 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Seq. State Changed from 112 to 139.
EVENT: 20:05:17 : CAS 31-0-39: Hardware initializing 1 2
New SysCtrl error 0x10 -> 0x0.
EVENT: 20:05:17 : CAS 31-0-26: System control error (ID-1, SubID-0).
SysErr1, New - 0, Old - 16
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last = 16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =

16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N1111111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N1111111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:05:17 : CAS 31-0-39: Hardware initializing 4 0
EVENT: 20:05:17 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
STEPPER: Left z-axis motor, no encoder feedback!
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N1111111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
Motion Error: fb - 1, r2r - 1!
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0xC0000,System
Control = 0xC0000,Roll to Roll = 0x0
INTERRUPT: Carriage PWM fault.
INTERRUPT: Gantry PWM fault.
CR Guard changed from 0 to 1.
CR Guard - Motor servo disabled.**InkServo** - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Ink heat cooldown requested at time 3320171
Coolant heater switched off
Safety - stopping carriage move.
EVENT: 20:05:18 : CAS 27-0-16: Starting ink cooldown.
HWIF: z1 = 0, z2 = 0
EVENT: 20:05:18 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Safety - moving carriage up to 51263.
EVENT: 20:05:18 : CAS 31-0-25: Seq 1 failed. Last state: 0.
Flags on clr 4 changed: 126 -> 90.
Disabling Degas. Servo mode = 1.
EVENT: 20:05:18 : CAS 27-0-13: Ink heat servo state change 0
New SysCtrl error 0x0 -> 0x10.
EVENT: 20:05:18 : CAS 31-0-26: System control error (ID-1, SubID-16).
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - moving carriage up to 51263.
SysErr1, New - 16, Old - 0

STEPPER: Error! Not initialized yet.
STEPPER: Error! Not initialized yet.
UI Machine State changed from 0 to 16.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
Seq 1 Failed: Gantry toggle state: 1, 0.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 20:05:19 : CAS 27-0-14: Carriage safety switch status changed. State: 0
CR Guard changed from 0 to 1.
EVENT: 20:05:19 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
Interlock: Gantry toggle state: 1, 0.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 20:05:20 : CAS 27-0-14: Carriage safety switch status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 0 to 1.
EVENT: 20:05:21 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 20:05:21 : CAS 27-0-14: Carriage safety switch status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 0 to 1.
EVENT: 20:05:21 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 20:05:22 : CAS 27-0-14: Carriage safety switch status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 0 to 1.
EVENT: 20:05:22 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 20:05:26 : CAS 27-0-14: Carriage safety switch status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 0 to 1.
EVENT: 20:05:26 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 20:05:27 : CAS 27-0-14: Carriage safety switch status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 0 to 1.
EVENT: 20:05:27 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetEVENT: 20:05:37 : CAS 27-0-12: E-Stop status changed. State: 0
CR Guard - Motor servo disabled.EVENT: 20:05:37 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Interlock: Gantry toggle state: 1, 0.
Safety - stopping carriage move.

HWIF: z1 = 0, z2 = 0
UI Machine State changed from 16 to 0.
Safety - moving carriage up to 51263.
New SysCtrl error 0x10 -> 0x0.
SysErr1, New - 0, Old - 16
EVENT: 20:05:37 : CAS 31-0-25: Seq 1 failed. Last state: 0.
EVENT: 20:05:37 : CAS 31-0-26: System control error (ID-1, SubID-0).
UI Machine State changed from 0 to 16.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
Seq 1 Failed: Gantry toggle state: 1, 0.
STEPPER: Error! Not initialized yet.
Motion Error: fb - 0, r2r - 1!
Printer Error: Motion - 8 -> 0!
Estop/CR Guard/Door ResetEVENT: 20:05:38 : CAS 27-0-12: E-Stop status changed.
State: 0
CR Guard - Motor servo disabled.Safety - stopping carriage move.
HWIF: z1 = 0, z2 = 0
Interlock: Gantry toggle state: 1, 0.
EVENT: 20:05:38 : CAS 27-0-14: Carriage safety switch status changed. State: 1
UI Machine State changed from 16 to 0.
Safety - moving carriage up to 51263.
EVENT: 20:05:38 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 0 to 16.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
STEPPER: Error! Not initialized yet.
Seq 1 Failed: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetEVENT: 20:05:39 : CAS 27-0-12: E-Stop status changed.
State: 0
CR Guard - Motor servo disabled.Safety - stopping carriage move.
HWIF: z1 = 0, z2 = 0
Interlock: Gantry toggle state: 1, 0.
EVENT: 20:05:39 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Safety - moving carriage up to 51263.
EVENT: 20:05:39 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
UI Machine State changed from 0 to 16.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
STEPPER: Error! Not initialized yet.
Seq 1 Failed: Gantry toggle state: 1, 0.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 20:05:45 : CAS 27-0-14: Carriage safety switch
status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 0 to 1.
EVENT: 20:05:46 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 20:05:46 : CAS 27-0-14: Carriage safety switch
status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetEVENT: 20:05:48 : CAS 27-0-12: E-Stop status changed.
State: 0
InkServo - Init to On.
InkServo - Turning ON clr 0.
Interlock: Gantry toggle state: 1, 0.
EVENT: 20:05:48 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.

InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
UI Machine State changed from 16 to 0.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
HWIF: Received following heat servo parameters:
coolantLowTimeout = 5000
reservoirOverTemp = 10.00
tempRiseRate = 0.05
tempRisePeriod = 60000
tempRiseCutoff = 1.00
tempDropoff = 5.00
thermistorLogicEnabled = 1
temperatureHeadUsed = 4
thermistorLogicMaxDeviation = 2.000
head 0 thermistorStatus = 2
head 1 thermistorStatus = 2
head 2 thermistorStatus = 0
head 3 thermistorStatus = 1
head 4 thermistorStatus = 0
head 5 thermistorStatus = 0
head 6 thermistorStatus = 0
head 7 thermistorStatus = 1
head 8 thermistorStatus = 0
head 9 thermistorStatus = 0
INKSERVO: Updating thermistor status.
Coolant heater switched on
Seq. State Changed from 112 to 139.
EVENT: 20:05:48 : CAS 31-0-39: Hardware initializing 1 2
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Flags on clr 4 changed: 90 -> 126.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
Pressure servo: setting level to 12.000000
EVENT: 20:05:48 : CAS 27-0-13: Ink heat servo state change 1
Enabling Degas. Servo mode = 1.
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0xC0000, Roll to Roll = 0x0
INTERRUPT: Gantry PWM fault.
Seq. State Changed from 135 to 136.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0xC0000,System
Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Carriage PWM fault.

Seq. State Changed from 136 to 108.
STEPPER: start initializing stepper system..
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:05:48 : CAS 31-0-39: Hardware initializing 4 0
EVENT: 20:05:48 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
STEPPER: Left z-axis motor, no encoder feedback!
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
Ink timeout check: Time = 3350.734000
 Target = 0.000000
 Temp = 44.509216
Temperature setpoint achieved (or close enough)
EVENT: 20:05:49 : CAS 27-0-15: Ink heat servo has reached setpoint.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
New SysCtrl error 0x0 -> 0x10.
Motion error - stopping all motion.
EVENT: 20:05:50 : CAS 31-0-26: System control error (ID-1, SubID-16).
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
Motion Error: fb - 0, r2r - 1!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
EVENT: 20:06:02 : CAS 27-0-16: Starting ink cooldown.
Ink heat cooldown requested at time 3363937
Coolant heater switched off
Disabling Degas. Servo mode = 1.
EVENT: 20:06:02 : CAS 27-0-13: Ink heat servo state change 0
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0xC0000,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage PWM fault.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0xC0000,Roll to Roll = 0x0
INTERRUPT: Gantry PWM fault.
CR Guard changed from 0 to 1.

CR Guard - Motor servo disabled.**InkServo** - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
EVENT: 20:06:21 : CAS 27-0-16: Starting ink cooldown.
Ink heat cooldown requested at time 3383125
Coolant heater switched off
EVENT: 20:06:21 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Safety - stopping carriage move.
HWIF: z1 = 0, z2 = 0
Safety - moving carriage up to 51263.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
Flags on clr 4 changed: 126 -> 90.
STEPPER: Error! Not initialized yet.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 20:06:21 : CAS 27-0-14: Carriage safety switch
status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 0 to 1.
EVENT: 20:06:22 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 20:06:22 : CAS 27-0-14: Carriage safety switch
status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 0 to 1.
EVENT: 20:06:22 : CAS 27-0-14: Carriage safety switch status changed. State: 1
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 20:06:23 : CAS 27-0-14: Carriage safety switch
status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetEVENT: 20:06:29 : CAS 27-0-12: E-Stop status changed.
State: 0
InkServo - Init to On.
EVENT: 20:06:29 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
Interlock: Gantry toggle state: 1, 0.
UI Machine State changed from 16 to 0.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
HWIF: Received following heat servo parameters:
coolantLowTimeout = 5000
reservoirOverTemp = 10.00
tempRiseRate = 0.05
tempRisePeriod = 60000
tempRiseCutoff = 1.00
tempDropoff = 5.00

thermistorLogicEnabled = 1
temperatureHeadUsed = 4
thermistorLogicMaxDeviation = 2.000
head 0 thermistorStatus = 2
head 1 thermistorStatus = 2
head 2 thermistorStatus = 0
head 3 thermistorStatus = 1
head 4 thermistorStatus = 0
head 5 thermistorStatus = 0
head 6 thermistorStatus = 0
head 7 thermistorStatus = 1
head 8 thermistorStatus = 0
head 9 thermistorStatus = 0
INKSERVO: Updating thermistor status.
Coolant heater switched on
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
EVENT: 20:06:29 : CAS 31-0-39: Hardware initializing 1 2
EVENT: 20:06:29 : CAS 31-0-26: System control error (ID-1, SubID-0).
Flags on clr 4 changed: 90 -> 126.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
Pressure servo: setting level to 12.000000
Enabling Degas. Servo mode = 1.
InkServo - All levels good.
EVENT: 20:06:29 : CAS 27-0-13: Ink heat servo state change 1
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Seq. State Changed from 140 to 135.
Seq. State Changed from 135 to 136.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0xC0000,System
Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage PWM fault.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0xC0000,Roll to Roll = 0x0
INTERRUPT: Gantry PWM fault.
Seq. State Changed from 136 to 108.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:06:29 : CAS 31-0-39: Hardware initializing 4 0
Ink timeout check: Time = 3391.031000
 Target = 0.000000
 Temp = 44.320137
Temperature setpoint achieved (or close enough)
EVENT: 20:06:29 : CAS 27-0-15: Ink heat servo has reached setpoint.
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:06:29 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =

16142028066139417782, new = 16142028066139417782.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N1111111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N1111111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Motion Error: fb - 1, r2r - 1!
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N1111111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
New SysCtrl error 0x0 -> 0x10.
EVENT: 20:06:31 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion error - stopping all motion.
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
EVENT: 20:06:31 : CAS 31-0-25: Seq 1 failed. Last state: 16.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
InkServo - Init to On.
InkServo - Turning ON clr 0.
UI Machine State changed from 16 to 0.
EVENT: 20:06:34 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
EVENT: 20:06:34 : CAS 31-0-39: Hardware initializing 1 2
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
EVENT: 20:06:34 : CAS 31-0-26: System control error (ID-1, SubID-0).
SysErr1, New - 0, Old - 16
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N1111111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.

InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N1111111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N1111111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N1111111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:06:34 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:06:34 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
Motion Error: fb - 1, r2r - 1!
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N1111111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
New SysCtrl error 0x0 -> 0x10.
EVENT: 20:06:35 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
Motion error - stopping all motion.
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
EVENT: 20:06:35 : CAS 31-0-25: Seq 1 failed. Last state: 16.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
EVENT: 20:06:36 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Init to On.
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
UI Machine State changed from 16 to 0.
InkServo - Ink Servo and White Recirc ON.

Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
SysErr1, New - 0, Old - 16
EVENT: 20:06:36 : CAS 31-0-26: System control error (ID-1, SubID-0).
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:06:37 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:06:37 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
Motion Error: fb - 1, r2r - 1!
New SysCtrl error 0x0 -> 0x10.
Motion error - stopping all motion.
EVENT: 20:06:38 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.

Printer Error: Motion - 0 -> 8!
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
EVENT: 20:06:38 : CAS 31-0-25: Seq 1 failed. Last state: 16.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
EVENT: 20:06:39 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Init to On.
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
UI Machine State changed from 16 to 0.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
EVENT: 20:06:39 : CAS 31-0-39: Hardware initializing 1 2
EVENT: 20:06:39 : CAS 31-0-26: System control error (ID-1, SubID-0).
SysErr1, New - 0, Old - 16
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0

STEPPER: reset stepper encoders to 0.
EVENT: 20:06:39 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:06:39 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor no feedback.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Motion Error: fb - 1, r2r - 1!
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last = 16142028066125562692, new = 16142028066125562692.
New SysCtrl error 0x0 -> 0x10.
Motion error - stopping all motion.
EVENT: 20:06:40 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
EVENT: 20:06:40 : CAS 31-0-25: Seq 1 failed. Last state: 16.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
InkServo - Init to On.
InkServo - Turning ON clr 0.
UI Machine State changed from 16 to 0.
EVENT: 20:06:41 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Seq. State Changed from 112 to 139.
EVENT: 20:06:41 : CAS 31-0-39: Hardware initializing 1 2
New SysCtrl error 0x10 -> 0x0.
EVENT: 20:06:41 : CAS 31-0-26: System control error (ID-1, SubID-0).
SysErr1, New - 0, Old - 16
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last = 16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.

Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N1111111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N1111111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N1111111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:06:42 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:06:42 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N1111111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
New SysCtrl error 0x0 -> 0x10.
Motion error - stopping all motion.
EVENT: 20:06:42 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.
SysErr1, New - 16, Old - 0
EVENT: 20:06:42 : CAS 31-0-25: Seq 1 failed. Last state: 16.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Motion error Reset.
InkServo - Init to On.
EVENT: 20:06:43 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
InkServo - Ink Servo and White Recirc ON.
UI Machine State changed from 16 to 0.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.

EVENT: 20:06:43 : CAS 31-0-39: Hardware initializing 1 2
SysErr1, New - 0, Old - 16
EVENT: 20:06:43 : CAS 31-0-26: System control error (ID-1, SubID-0).
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Seq. State Changed from 135 to 136.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 136 to 108.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:06:44 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:06:44 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor
no feedback.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
Motion Error: fb - 1, r2r - 1!
New SysCtrl error 0x0 -> 0x10.
EVENT: 20:06:45 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
Motion error - stopping all motion.
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to move the carriage up.

SysErr1, New - 16, Old - 0
EVENT: 20:06:45 : CAS 31-0-25: Seq 1 failed. Last state: 16.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 1, 0.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
Motion error Reset.
EVENT: 20:07:27 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Init to On.
InkServo - Turning ON clr 0.
InkServo - Turning ON clr 1.
InkServo - Turning ON clr 2.
InkServo - Turning ON clr 3.
UI Machine State changed from 16 to 0.
InkServo - Ink Servo and White Recirc ON.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Seq. State Changed from 112 to 139.
New SysCtrl error 0x10 -> 0x0.
SysErr1, New - 0, Old - 16
EVENT: 20:07:27 : CAS 31-0-39: Hardware initializing 1 2
EVENT: 20:07:27 : CAS 31-0-26: System control error (ID-1, SubID-0).
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
InkServo - All levels good.
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
Seq. State Changed from 139 to 140.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8
No need for ink update event on 1 (N11111111111111).
MC - Set ink bag SN on 1: cur = 16142028066139417782, last =
16142028066139417782, new = 16142028066139417782.
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 2, NoOfColours 5.
No need to set last used and low level type on 2. Type plugged 8
No need for ink update event on 2 (N11111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N11111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 20:07:28 : CAS 31-0-39: Hardware initializing 4 0
STEPPER: Left z-axis motor, no encoder feedback!
EVENT: 20:07:28 : CAS 03-5-04: Carriage Motion System: Error - Left Z-axis motor

no feedback.
Seq. State Changed from 108 to 112.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Motion Error: fb - 1, r2r - 1!
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low level type
on 4. Type plugged 8
No need for ink update event on 4 (N1111111111111111).
MC - Set ink bag SN on 4: cur = 16142028066125562692, last =
16142028066125562692, new = 16142028066125562692.
New SysCtrl error 0x0 -> 0x10.
Motion error - stopping all motion.
EVENT: 20:07:29 : CAS 31-0-26: System control error (ID-1, SubID-16).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Stepper Motion.
Printer Error: Motion - 0 -> 8!
HWIF: z1 = 0, z2 = 0
R2R Stopping Roll 0.
R2R Stopping Roll 1.
R2R: Media already stopped or was idle.
Motion error - no need to