

15/03/2022 19:28 Ver. 4.19.0.13 running.

EVENT: 19:28:34 : CAS 31-0-31: Printer application ver. 4.19.0.13 started.
Initting Generic
Initting Vacuum Servo
Initting Ink Servo
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 0x00000848) 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: 19:28:34 : 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: 19:28:37 : CAS 31-0-57: Data backup initialization completed.
Seq. State Changed from 102 to 103.
EVENT: 19:28:37 : 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 lpapier 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
Adding media 127(stratader). Active 127
FPGA:Link 1 run time code revision is carriage_link_1.1.3_sf
Adding media 131(mash 160). Active 131
Adding media 134(roll up 1). Active 134
Adding media 142(esy dot 1). Active 142
JTAG:Reloading from link 1,offset 0.
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
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
Adding media 185(mesh 2050). Active 185
FPGA:Link 1 Program/Verify/Reload done.
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 0x000008E8) has started.
Checking machine configuration table
Machine configuration table too small or not complete
Machine configuration module not valid?
Thread 'INPUT' (NT Thread 0x000008EC) has started.
Thread 'Swathmaker' (NT Thread 0x000008F0) 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

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Enabling Oce lamps
EVENT: 19:28:48 : CAS 31-0-39: Hardware initializing 0 2
EVENT: 19:28:48 : CAS 31-0-39: Hardware initializing 14 0
Initting RFID polling
Oce RFID board detected
GANTRYINIT: dual gantry.
Ready to start initializing motion params...
EVENT: 19:28:48 : CAS 31-0-39: Hardware initializing 14 2
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 =
0x3000000,System Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage Board keep alive.
INTERRUPT: Gantry Board keep alive.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0xC000000,Roll to Roll = 0xC00000
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.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System
Control = 0xC0000,Roll to Roll = 0x0
INTERRUPT: Gantry PWM fault.
No need to set last used and low level type on 0. Type plugged 8
EVENT: 19:28:54 : 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: 19:28:54 : 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.

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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: 19:28:54 : 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 = 16142028066139427357, last =
16142028066139427357, new = 16142028066139427357.
EVENT: 19:28:54 : 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
885676, 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: 19:28:54 : 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.
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: 19:28:54 : 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.
Lamp system state changed from 0 -> 3. Last Sys state = 0
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 = 0x0,System Control = 0x30000,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.
CR Guard changed from 0 to 1.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
MC - Set ink bag SN on 3: cur = 16142028066174759399, last = 16142028066174759399, new = 16142028066174759399.
EVENT: 19:28:54 : 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.
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 103078
Coolant heater switched off
EVENT: 19:28:54 : CAS 27-0-16: Starting ink cooldown.
Safety - stopping carriage move.
EVENT: 19:28:54 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
HWIF: z1 = -1, z2 = 0
Safety - moving carriage up to 51263.
EVENT: 19:28:54 : CAS 31-0-25: Seq 1 failed. Last state: 0.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
STEPPER: Error! Not initialized yet.
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
MC - Set ink bag SN on 4: cur = 16142028066167951767, last = 16142028066167951767, new = 16142028066167951767.
EVENT: 19:28:54 : 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 726787, Type 8.
Flags on clr 4 changed: 94 -> 90.
Disabling Degas. Servo mode = 1.

EVENT: 19:28:54 : CAS 27-0-13: Ink heat servo state change 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.
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 = 16142028066139427357, last =
16142028066139427357, new = 16142028066139427357.
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 16.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
Seq 1 Failed: Gantry toggle state: 1, 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
No need for ink update event on 4 (N11111111111111).
MC - Set ink bag SN on 4: cur = 16142028066167951767, last =
16142028066167951767, new = 16142028066167951767.
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.EVENT: 19:29:14
: CAS 27-0-12: E-Stop status changed. State: 0
Safety - stopping carriage move.
EVENT: 19:29:14 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
HWIF: z1 = -1, z2 = 0
Safety - moving carriage up to 51263.
Interlock: Gantry toggle state: 1, 0.
EVENT: 19:29:14 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
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.
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.Safety -
stopping carriage move.
EVENT: 19:29:18 : CAS 27-0-12: E-Stop status changed. State: 0
EVENT: 19:29:18 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
Interlock: Gantry toggle state: 1, 0.
HWIF: z1 = -1, z2 = 0
Safety - moving carriage up to 51263.
UI Machine State changed from 16 to 0.
EVENT: 19:29:18 : CAS 31-0-25: Seq 1 failed. Last state: 0.
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.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.EVENT: 19:29:19
: CAS 27-0-12: E-Stop status changed. State: 0
Safety - stopping carriage move.
EVENT: 19:29:19 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
HWIF: z1 = -1, z2 = 0
Interlock: Gantry toggle state: 1, 0.
Safety - moving carriage up to 51263.
EVENT: 19:29:19 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
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.
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.EVENT: 19:29:20
: CAS 27-0-12: E-Stop status changed. State: 0
EVENT: 19:29:20 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
Safety - stopping carriage move.
HWIF: z1 = -1, z2 = 0
Interlock: Gantry toggle state: 1, 0.
Safety - moving carriage up to 51263.
UI Machine State changed from 16 to 0.
EVENT: 19:29:20 : 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 ResetCR Guard - Motor servo disabled.EVENT: 19:29:21
: CAS 27-0-12: E-Stop status changed. State: 0
Safety - stopping carriage move.
EVENT: 19:29:21 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
HWIF: z1 = -1, z2 = 0
Interlock: Gantry toggle state: 1, 0.
Safety - moving carriage up to 51263.
EVENT: 19:29:21 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
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.
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.Safety -
stopping carriage move.
EVENT: 19:29:21 : CAS 27-0-12: E-Stop status changed. State: 0
EVENT: 19:29:21 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
HWIF: z1 = -1, z2 = 0
Safety - moving carriage up to 51263.

Interlock: Gantry toggle state: 1, 0.
EVENT: 19:29:21 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
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.
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.EVENT: 19:29:22
: CAS 27-0-12: E-Stop status changed. State: 0
Safety - stopping carriage move.
EVENT: 19:29:22 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
HWIF: z1 = -1, z2 = 0
Interlock: Gantry toggle state: 1, 0.
Safety - moving carriage up to 51263.
EVENT: 19:29:22 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
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.
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.Safety -
stopping carriage move.
Interlock: Gantry toggle state: 1, 0.
HWIF: z1 = -1, z2 = 0
EVENT: 19:29:23 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
Safety - moving carriage up to 51263.
EVENT: 19:29:23 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
STEPPER: Error! Not initialized yet.
UI Machine State changed from 0 to 16.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.Safety -
stopping carriage move.
EVENT: 19:29:24 : CAS 27-0-12: E-Stop status changed. State: 0
EVENT: 19:29:24 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
HWIF: z1 = -1, z2 = 0
Safety - moving carriage up to 51263.
Seq 1 Failed: Gantry toggle state: 1, 0.
EVENT: 19:29:24 : CAS 31-0-25: Seq 1 failed. Last state: 0.
Interlock: Gantry toggle state: 1, 0.
STEPPER: Error! Not initialized yet.
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.
Seq 1 Failed: Gantry toggle state: 1, 0.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 19:29:30 : 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: 19:29:31 : 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: 19:29:32 : 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: 19:29:32 : 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: 19:29:33 : 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.
Interlock: Gantry toggle state: 1, 0.
EVENT: 19:29:37 : CAS 27-0-12: E-Stop status changed. State: 0
InkServo - Ink Servo and White Recirc ON.
EVENT: 19:29:37 : 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 135 to 139.
EVENT: 19:29:37 : CAS 31-0-39: Hardware initializing 1 2
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: 19:29:37 : CAS 27-0-13: Ink heat servo state change 1
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.
EVENT: 19:29:38 : CAS 31-0-39: Hardware initializing 3 0
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.
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 = 16142028066139427357, last =
16142028066139427357, new = 16142028066139427357.
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.
Ink timeout check: Time = 147.109000
 Target = 0.000000
 Temp = 29.743458
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 = 16142028066167951767, last =
16142028066167951767, new = 16142028066167951767.
UI Machine State changed from 0 to 1.
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: 19:29:45 : CAS 31-0-39: Hardware initializing 3 2
UI Machine State changed from 1 to 0.
EVENT: 19:29:45 : CAS 31-0-39: Hardware initializing 2 0
UI Machine State changed from 0 to 2.
Seq. State Changed from 136 to 108.
EVENT: 19:29:51 : 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 160250
Coolant heater switched off
Safety - stopping carriage move.
EVENT: 19:29:51 : CAS 27-0-16: Starting ink cooldown.
HWIF: z1 = -1, z2 = 0
EVENT: 19:29:51 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
Safety - moving carriage up to 51263.
EVENT: 19:29:51 : CAS 31-0-25: Seq 1 failed. Last state: 0.
STEPPER: Error! Not initialized yet.
Flags on clr 4 changed: 126 -> 90.
Disabling Degas. Servo mode = 1.
EVENT: 19:29:51 : CAS 27-0-13: Ink heat servo state change 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.
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.EVENT: 19:29:53
: CAS 27-0-12: E-Stop status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
Safety - stopping carriage move.
EVENT: 19:29:53 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
HWIF: z1 = -1, z2 = 0
UI Machine State changed from 16 to 0.
Safety - moving carriage up to 51263.
EVENT: 19:29:53 : 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.
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 19:30:01 : 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: 19:30:01 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.EVENT: 19:30:10
: CAS 27-0-12: E-Stop status changed. State: 0
Safety - stopping carriage move.
Interlock: Gantry toggle state: 1, 0.

HWIF: z1 = -1, z2 = 0
UI Machine State changed from 16 to 0.
EVENT: 19:30:10 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
Safety - moving carriage up to 51263.
EVENT: 19:30:10 : 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 ResetCR Guard - Motor servo disabled.Safety -
stopping carriage move.
HWIF: z1 = -1, z2 = 0
EVENT: 19:30:11 : CAS 27-0-12: E-Stop status changed. State: 0
EVENT: 19:30:11 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
Interlock: Gantry toggle state: 1, 0.
Safety - moving carriage up to 51263.
EVENT: 19:30:11 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
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.
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.EVENT: 19:30:12
: CAS 27-0-12: E-Stop status changed. State: 0
EVENT: 19:30:12 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
HWIF: z1 = -1, z2 = 0
Safety - moving carriage up to 51263.
Interlock: Gantry toggle state: 1, 0.
EVENT: 19:30:12 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
STEPPER: Error! Not initialized yet.
UI Machine State changed from 0 to 16.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.EVENT: 19:30:12
: CAS 27-0-12: E-Stop status changed. State: 0
EVENT: 19:30:12 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
Seq 1 Failed: Gantry toggle state: 1, 0.
Safety - stopping carriage move.
HWIF: z1 = -1, z2 = 0
Safety - moving carriage up to 51263.
EVENT: 19:30:12 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
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.
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.EVENT: 19:30:13
: CAS 27-0-12: E-Stop status changed. State: 0
Safety - stopping carriage move.

EVENT: 19:30:13 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
HWIF: z1 = -1, z2 = 0
Interlock: Gantry toggle state: 1, 0.
Safety - moving carriage up to 51263.
EVENT: 19:30:13 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
STEPPER: Error! Not initialized yet.
UI Machine State changed from 0 to 16.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.EVENT: 19:30:13
: CAS 27-0-12: E-Stop status changed. State: 0
Safety - stopping carriage move.
HWIF: z1 = -1, z2 = 0
Seq 1 Failed: Gantry toggle state: 1, 0.
EVENT: 19:30:13 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
Safety - moving carriage up to 51263.
EVENT: 19:30:13 : CAS 31-0-25: Seq 1 failed. Last state: 0.
Interlock: Gantry toggle state: 1, 0.
UI Machine State changed from 16 to 0.
STEPPER: Error! Not initialized yet.
UI Machine State changed from 0 to 16.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.EVENT: 19:30:14
: CAS 27-0-12: E-Stop status changed. State: 0
Safety - stopping carriage move.
EVENT: 19:30:14 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
HWIF: z1 = -1, z2 = 0
Seq 1 Failed: Gantry toggle state: 1, 0.
Safety - moving carriage up to 51263.
EVENT: 19:30:14 : CAS 31-0-25: Seq 1 failed. Last state: 0.
Interlock: Gantry toggle state: 1, 0.
STEPPER: Error! Not initialized yet.
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.
Seq 1 Failed: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.EVENT: 19:30:15
: CAS 27-0-12: E-Stop status changed. State: 0
EVENT: 19:30:15 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
Interlock: Gantry toggle state: 1, 0.
HWIF: z1 = -1, z2 = 0
Safety - moving carriage up to 51263.
EVENT: 19:30:15 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
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: 19:30:21 : 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: 19:30:23 : 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: 19:30:23 : CAS 27-0-14: Carriage safety switch status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetEVENT: 19:30:29 : 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.
EVENT: 19:30:29 : 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
EVENT: 19:30:29 : CAS 31-0-39: Hardware initializing 1 2
Seq. State Changed from 108 to 139.
Updating Ink Bag Info, Colour 0, NoOfColours 5.
Ink timeout check: Time = 198.359000
 Target = 0.000000
 Temp = 29.725927
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.
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 = 16142028066139427357, last = 16142028066139427357, new = 16142028066139427357.
Seq. State Changed from 140 to 135.
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 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: 19:30:29 : 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 (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 = 16142028066167951767, last = 16142028066167951767, new = 16142028066167951767.
STEPPER: reset both encoders to 0.
STEPPER: Move both steppers up by max travel distance after clearing.
STEPPER: before forcing to stop, enc1 = 4755, enc2 = 4756.
STEPPER: stop both after seeing the limit switches.
MOTION: Stepper #0 tripping encoder: 4225

MOTION: Stepper #1 tripping encoder: 4233
STEPPER: after stopping, enc1 = 4757, enc2 = 4758.
STEPPER: stepper 1 enc: 4757, stepper 2 enc: 4758
STEPPER: Reset stepper enc 1 to: 31532
STEPPER: Reset stepper enc 2 to: 31525, adjust 2 by: 7 cnts, 6 steps
STEPPER: adjust stepper 2.
STEPPER: initialization done.
EVENT: 19:30:36 : CAS 31-0-39: Hardware initializing 4 2
Seq. State Changed from 112 to 106.
EVENT: 19:30:36 : 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: -15600
CRGINIT: current encoder reading: -15470
CRGINIT: current encoder reading: -15472
CRGINIT: current encoder reading: -15472
CRGINIT: current encoder reading: -15472
CRGINIT: current encoder reading: -15472
CRGINIT: reset encoder to: 128
CRGINIT: Carriage motion has been initialized successfully.
Seq. State Changed from 110 to 125.
EVENT: 19:30:40 : CAS 31-0-39: Hardware initializing 5 2
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: 19:30:41 : 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: 17230, 17973

GANTRYINIT: Gantry at home ... Encoders: 16733, 16750

GANTRYINIT: Gantry at home ... Encoders: 16732, 16750

GANTRYINIT: Gantry at home ... Encoders: 16731, 16750

GANTRYINIT: Gantry at home ... Encoders: 16731, 16750

GANTRYINIT: Gantry at home ... Encoders: 16732, 16749

GANTRYINIT: Gantry offset: -54

GANTRYINIT: Reset gantry encoders to: -498, -1278

GANTRYINIT: Gantry motion has been initialized successfully.

GANTRYINIT: Gantry initialization done. Gantry servo on.

EVENT: 19:30:48 : CAS 31-0-39: Hardware initializing 7 2

Seq. State Changed from 111 to 128.

Seq. State Changed from 128 to 172.

EVENT: 19:30:48 : CAS 31-0-39: Hardware initializing 6 0

STEPPER: Set stepper target to 1209: counts.

STEPPER: current Z-Axis (stepper 1) location: 31532 target location: 1209 difference : 30323

STEPPER: servoing stepper 1 by: -25269 steps

STEPPER: current Z-Axis stepper 2 location: 31533 target location: 1209 difference : 30324

STEPPER: servoing stepper 2 by: -25270 steps

Pressure servo: setting level to 0.440000

Pressure servo: setting level to 5.000000

EVENT: 19:31:04 : CAS 31-0-39: Hardware initializing 6 2

CR Z-axis move done. Target: 2000, Cur:1997.

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

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extraStep      1000
bitShift       4
integration mode    1
Seq. State Changed from 131 to 114.
EVENT: 19:31:04 : CAS 31-0-39: Hardware initializing 8 2
Seq. State Changed from 114 to 100.
UI Machine State changed from 0 to 5.
Seq done: Gantry toggle state: 1, 1.
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 = -0.189134, 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 = 1208, z2 = 1209
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:1997.
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 =   -15.00
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
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    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
    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
Seq. State Changed from 109 to 113.
EVENT: 19:32:00 : CAS 27-0-33: R2R media init state changed 0.
R2R: Starting rotation of unwind at 0.053000 vel and 1.000000 accel
R2R: Lower dancer limit found at 0.
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: 134.037248
R2R: Rewind holding duty = -25.1
R2R: Starting rotation of unwind at 0.053000 vel and 1.000000 accel
R2R: Unwind diameter from initialization: 109.564603
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.
Seq. State Changed from 160 to 100.
EVENT: 19:32:12 : CAS 27-0-33: R2R media init state changed 2.
Seq done: Gantry toggle state: 1, 1.
EVENT: 19:32:49 : CAS 05-5-04: Ink Bay System: Error - Degas pump duty
cycle high (100 percent).
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: 19:32:49 : 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
Lamp system state changed from 3 -> 0. Last Sys state = 3
Ink timeout check: Time = 498.750000
 Target = 29.775927
 Temp = 34.011151
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.
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
PRINTCTL: Interrupt received: 20
PRINTCTL: SDRAM bank switch interrupt
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
Ink timeout check: Time = 559.218000
 Target = 34.061151
 Temp = 35.165488
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 = 0.00015748, 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 = 1208, z2 = 1209
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:1997.
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 = -15.00
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
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) = -25.1
EVENT: 19:36:35 : 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 -1.
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: 132.453941
R2R: Rewind holding duty = -24.8
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: 108.037070
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: 19:36:51 : CAS 27-0-33: R2R media init state changed 2.
Seq done: Gantry toggle state: 1, 1.
Ink timeout check: Time = 619.375000
                   Target = 35.215488
                   Temp = 36.276106
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 = 679.468000
 Target = 36.326106
 Temp = 37.303005
Ink timeout check: Time = 739.484000
 Target = 37.353005
 Temp = 38.291569
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 = 799.546000
 Target = 38.341569
 Temp = 39.230610
Ink timeout check: Time = 859.578000
 Target = 39.280610
 Temp = 40.097930
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 = 919.796000
 Target = 40.147930
 Temp = 40.946747
Ink timeout check: Time = 979.890000
 Target = 40.996747
 Temp = 41.740620
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 = 1040.000000
 Target = 41.790620
 Temp = 42.487628
Ink timeout check: Time = 1100.093000
 Target = 42.537628
 Temp = 43.207094
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

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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 = 1160.203000
                    Target = 43.257094
                    Temp = 43.882345
Ink timeout check: Time = 1220.265000
                    Target = 43.932345
                    Temp = 44.533179
Temperature setpoint achieved (or close enough)
EVENT: 19:47:31 : 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 = 44.53 Block temp =54.73
Tolerance 10
Head 6 Temp 43.19 Status 0 UsedForAverage 1
Head 8 Temp 45.39 Status 0 UsedForAverage 1
Head 2 Temp 43.93 Status 0 UsedForAverage 1
Head 9 Temp 45.29 Status 0 UsedForAverage 1
Head 4 Temp 44.73 Status 0 UsedForAverage 1
Head 5 Temp 44.64 Status 0 UsedForAverage 1
Head 0 Temp 43.73 Status 2 UsedForAverage 0

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Head 7 Temp 38.00 Status 1 UsedForAverage 0
Head 1 Temp 44.25 Status 2 UsedForAverage 0
Head 3 Temp 44.77 Status 1 UsedForAverage 0
EVENT: 19:47:32 : 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
19:51 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 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
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
Lamp 0: Struck in 2 s. Turning fans off.
Lamp 1: Struck in 2 s. Turning fans off.
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
Lamp 1 burnt in 67 s. Setting to low power and turning on fans. Register value 0
Lamp system state changed from 2 -> 3. Last Sys state = 2
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
GetSDS: Failed to find valid tag.
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: index: 3, name: Nozzle Check - Narrow.
TP: index: 4, name: Nozzle Check - White.
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.
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: index: 3, name: Nozzle Check - Narrow.
TP: index: 4, name: Nozzle Check - White.

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.
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 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 7 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
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 9 s. Turning fans off.
Spit needs voltage on 0.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit needs voltage on 1.
Head VOLTAGE needed for spit.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit needs voltage on 2.

Head VOLTAGE needed for spit.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit needs voltage on 3.
Head VOLTAGE needed for spit.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for all heads.
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.
Head VOLTAGE needed for spit.
Head VOLTAGE already enabled for 0x3ff heads.

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
Lamp 1 burnt in 47 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
++++ Print state changed from 0 to 1.
Print state: Gantry toggle state: 1, 1.
++++ 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.
++++ Print state changed from 3 to 5.
Print state: Gantry toggle state: 0, 1.
Config bleed requested: H = 0, A = 0.
R2R media jog version two requested.
PrintConfig Lamps: Lead 4, Trail 4, Selected 3.
Alignment data path: Swath.
Media Center Offset = 0, Edge Sensor Offset = 144430, retVal = 1248000
PrintCtrlConfig - start of plot: FS = 29.841378.
Setting up masks for initial line offset calculation
Initial index is -775
keySwathStart=3; keySwathFit=-1; keySwathEnd=956; numPrintingSwaths=960
Changing SOP RMO position from 0 to 133115.
PrintCtrlConfig - start of plot: SS = 6.146732.
InkServo - Getting ready to print. White = 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.

Printing job: "5CF345DC-4D54-404B-A4BB-A79510B7726E"
Motion start!. Targets: G: -5300, CR: 0, Z: 1900(1400), R2R: 23012.
Params: 1: 1, 2: 3, 3: 1
++++ Print state changed from 5 to 6.
Print state: Gantry toggle state: 0, 1.
UI Machine State changed from 5 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.
Not turning Home-Right lamp ON, 0, 2
Not turning Away-Left lamp ON, 0, 2
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: 19:57:47 : 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: 19:57:47 : CAS 31-0-40: Waiting for ink temperature: 1.
Seq. State Changed from 175 to 176.
EVENT: 19:57:47 : CAS 31-0-36: Waiting for UV lamps: 0.
UI Machine State changed from 7 to 8.
EVENT: 19:57:47 : CAS 31-0-40: Waiting for ink temperature: 0.
Seq. State Changed from 176 to 162.
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 117.
HARDWARE: Moving gantry: displacement = 6.49996, speed = 6, accel = 5,
decel = 5, rampType = 2.
Seq. State Changed from 117 to 123.
R2R: Media already stopped or was idle.
R2R - Stopping media move.
Seq. State Changed from 123 to 170.
R2R - Media move done
Seq. State Changed from 170 to 149.
Capstan diameter set to 5.920591
R2R: Rewind hold duty L was -15.00
R2R: Rewind hold duty L new value: -15.00
Seq. State Changed from 149 to 143.
Seq. State Changed from 143 to 119.
Capstan diameter set to 5.920591
Starting Media move.
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
R2R: Capstan enc (before feeding) = 507163
R2R: Drw = 132.454 mm, Duw = 108.037 mm
R2R: Move media by 0.906024 in, speed = 6.00, acc = 4.00, dec = 10.00
R2R - Start Media move: dist = 156127 micr.
Seq. State Changed from 119 to 170.
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.
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: previous rewind holding duty was -24.84.
R2R: current rewind holding duty is -24.84.
R2R: Media actually moved 0.978736
R2R: Capstan enc (after feeding) = 601879
R2R - Media move done
Seq. State Changed from 170 to 124.
HWIF: z1 = 1208, z2 = 1209
Seq. State Changed from 124 to 120.
Seq. State Changed from 120 to 171.
STEPPER: Set stepper target to 1148: counts.
STEPPER: current Z-Axis (stepper 1) location: 1208 target location: 1148
difference : 60
STEPPER: servoing stepper 1 by: -50 steps
STEPPER: current Z-Axis stepper 2 location: 1209 target location: 1148
difference : 61
STEPPER: servoing stepper 2 by: -51 steps
CR Z-axis move done. Target: 1900, Cur:1895.
Seq. State Changed from 171 to 170.
Seq. State Changed from 170 to 117.
HARDWARE: Moving gantry: displacement = -6.50004, 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: 19:57:57 : CAS 31-0-18: PrntCtrl started printing.
EVENT: 19:57:57 : CAS 31-0-66: UV lamp power used for the print: Leading
lamp 4, Trailing lamp 4.
EVENT: 19:57:57 : CAS 31-0-63: Started printing R2R job. Total copies:
15.
Setting up masks

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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: GantryCorrection
  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 = 43.93, V = 22.13
Head 1: T = 44.57, V = 21.82
Head 2: T = 44.18, V = 23.23
Head 3: T = 44.96, V = 22.76
Head 4: T = 44.83, V = 23.15
Head 5: T = 44.83, V = 22.24
Head 6: T = 43.26, V = 22.92
Head 7: T = 38.00, V = 23.40
Head 8: T = 45.22, V = 21.43
Head 9: T = 45.13, V = 22.22
Setting up input module
Setting up swathmaker module
Initial index is -775
keySwathStart=3; keySwathFit=-1; keySwathEnd=956; numPrintingSwaths=960
SWATH: Swaths per buffer = 7
Output pixels per swath: 11136
Ideal lamp on and off positions
      Home lamp      Away lamp
Home limit    -78.32    -96.32
Away limit    -34.34    -52.34
Adjusted lamp on and off positions
      Home lamp      Away lamp
Home limit    -78.32    -96.32
Away limit    -34.34    -52.34
Fastscan travel limits:
Home: -102.98
Away: -27.68
Setting up hardware
HXL: Setting write pointer to 0x01ffc000 (16-bit word)

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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 = -759; linesToDo = 242082
PRINTCTL: Fastscan not at start. Bumping.
    Current position = 0.000000.
    Required position = -102.975236.
HARDWARE: Moving carriage: position = -102.975, speed = 37.7008, accel =
107, decel = 120, rampType = 2.
Creating swath, imageLineIndex = -775; swathCounter = 0
    Image buffer = 10010020
    Valid data = 0
    Next to write = 0
EVENT: 19:57:58 : CAS 03-5-12: Carriage Motion System: Error - Servo
following error.
MOTION: PRINT CONTROLLER: PRINTCTL: Error waiting for fast scan to move
to start.
PRINT CONTROLLER: Error putting carriage at start position at start of
print
Error setting up motors for print
Error: 00000000
INPUT: Cannot release before successfully initting
Error: 00000403
Carriage motion data logged on 19:57:58
Buffer state at input finished:
Index:
Buffer size:                4096
First valid data:           0
Valid data:                  4096
First data to read:         0
First data to write:        4096
Start offset:                0
End offset:                  4476927
Image:
Buffer size:                6709927
First valid data:           0
Valid data:                  744333
Last valid data:            744332
First data to read:         0
First data to write:        744333
INPUT: Last line not valid at input done!
INPUT: Input finished, state=4. Thread sleeping.
cmdEnc1   ganEnc   Enc1  Enc2  Duty  State
-22468    -5300 -17663    0    -2300 2
-22774    -5300 -17885    0    -2300 2
-23082    -5300 -18108    0    -2300 2
-23392    -5300 -18332    0    -2300 2
-23705    -5300 -18557    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

SWATH: Cancelling.

SWATH: Cancelled.

PRINTCTL: Print stats:

	Pixel counts:	Cyan	Magenta	Yellow	Black
0	0:	0	0	0	0
0	1:	0	0	0	0
0	2:	0	0	0	0
0	3:	0	0	0	0
0	4:	0	0	0	0
0	5:	0	0	0	0
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	11:	0	0	0	0
0	12:	0	0	0	0
0	13:	0	0	0	0
0	14:	0	0	0	0
0	15:	0	0	0	0

SMPH: -1.000

MOTION: Motor 0 motion data counter: 28668

MOTION: Motor 0 motion data counter from PowerPC: 28668

New SysCtrl error 0x0 -> 0x2.

EVENT: 19:58:03 : CAS 31-0-26: System control error (ID-1, SubID-2).

Motion error - stopping all motion.

Motion Error: fb - 0, r2r - 1!

Printer Error: UI notified!

SysError - Carriage Motion.

Printer Error: Motion - 0 -> 1!

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 = 1146, z2 = 1147
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
Lamp system state changed from 1 -> 3. Last Sys state = 1
Motion error Reset.
InkServo - Init to On.
EVENT: 19:58:07 : CAS 31-0-39: Hardware initializing 1 0
InkServo - Turning ON clr 1.
UI Machine State changed from 10 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 100 to 139.
New SysCtrl error 0x2 -> 0x0.
EVENT: 19:58:07 : CAS 31-0-39: Hardware initializing 1 2
SysErr1, New - 0, Old - 2
EVENT: 19:58:07 : 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.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
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 = 16142028066139427357, last =
16142028066139427357, new = 16142028066139427357.
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: 19:58:08 : 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 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 = 16142028066167951767, last = 16142028066167951767, new = 16142028066167951767.
Motion Error: fb - 1, r2r - 1!
STEPPER: before forcing to stop, enc1 = 30500, enc2 = 30497.
STEPPER: stop both after seeing the limit switches.
MOTION: Stepper #0 tripping encoder: 29857
MOTION: Stepper #1 tripping encoder: 29856
STEPPER: after stopping, enc1 = 30502, enc2 = 30499.
STEPPER: stepper 1 enc: 30502, stepper 2 enc: 30499
STEPPER: Reset stepper enc 1 to: 31645
STEPPER: Reset stepper enc 2 to: 31643, adjust 2 by: 2 cnts, 2 steps
STEPPER: adjust stepper 2.
STEPPER: initialization done.
EVENT: 19:58:25 : CAS 31-0-39: Hardware initializing 4 2
Seq. State Changed from 112 to 106.
EVENT: 19:58:25 : 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: -5
CRGINIT: current encoder reading: 139
CRGINIT: current encoder reading: 141
CRGINIT: current encoder reading: 141
CRGINIT: current encoder reading: 141
CRGINIT: current encoder reading: 142
CRGINIT: reset encoder to: 147
CRGINIT: Carriage motion has been initialized successfully.
EVENT: 19:58:31 : 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: 19:58:31 : 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: Stop gantry servo. Wait for gantry motion to settle...Seq.
State Changed from 107 to 111.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
GANTRYINIT: Finish waiting.
GANTRYINIT: Reset gantry encoder(s) to 0.
GANTRYINIT: Move out of the limit switch zone.
EVENT: 19:58:35 : CAS 31-0-23: UI cancel req.
GANTRYINIT: Move to the limit switch zone with speed of 0.30 ips.
EVENT: 19:58:36 : CAS 31-0-23: UI cancel req.
GANTRYINIT: Gantry tripping encoders: 5255, 5246
GANTRYINIT: Gantry at home ... Encoders: 4842, 4773
GANTRYINIT: Gantry at home ... Encoders: 4845, 4775
GANTRYINIT: Gantry at home ... Encoders: 4849, 4774
GANTRYINIT: Gantry at home ... Encoders: 4849, 4775
GANTRYINIT: Gantry at home ... Encoders: 4850, 4774
GANTRYINIT: Gantry offset: -54
GANTRYINIT: Reset gantry encoders to: -405, -526
GANTRYINIT: Gantry motion has been initialized successfully.
GANTRYINIT: Gantry initialization done. Gantry servo on.
EVENT: 19:58:42 : CAS 31-0-39: Hardware initializing 7 2
Seq. State Changed from 111 to 128.
EVENT: 19:58:43 : 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: 31645 target location:
1209 difference : 30436
STEPPER: servoing stepper 1 by: -25363 steps
STEPPER: current Z-Axis stepper 2 location: 31647 target location: 1209
difference : 30438
STEPPER: servoing stepper 2 by: -25365 steps
CR Z-axis move done. Target: 2000, Cur:2062.
```

```

EVENT: 19:58:58 : 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.
Seq. State Changed from 114 to 100.
EVENT: 19:58:59 : CAS 31-0-39: Hardware initializing 8 2
UI Machine State changed from 0 to 5.
Seq done: Gantry toggle state: 0, 1.
EVENT: 19:59:06 : CAS 31-0-23: UI cancel req.
EVENT: 19:59:07 : CAS 31-0-23: UI cancel req.
EVENT: 19:59:22 : CAS 03-5-12: Carriage Motion System: Error - Servo
following error.
MOTION: Carriage motion data logged on 19:59:22
cmdEnc1      ganEnc      Enc1 Enc2 Duty State
0      -402  -5033 0      2300 6
0      -402  -5047 0      2300 6
0      -402  -5061 0      2300 6
0      -402  -5075 0      2300 6
0      -402  -5088 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: 21240
MOTION: Motor 0 motion data counter from PowerPC: 21240
New SysCtrl error 0x0 -> 0x2.
Motion error - stopping all motion.
EVENT: 19:59:26 : CAS 31-0-26: System control error (ID-1, SubID-2).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Carriage Motion.
Printer Error: Motion - 0 -> 1!
Printer Error: Gantry toggle state: 0, 0.
HWIF: z1 = 1207, z2 = 1209

```

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
Motion error Reset.
EVENT: 19:59:40 : 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.
EVENT: 19:59:40 : CAS 31-0-39: Hardware initializing 1 2
Seq. State Changed from 100 to 139.
New SysCtrl error 0x2 -> 0x0.
EVENT: 19:59:40 : CAS 31-0-26: System control error (ID-1, SubID-0).
SysErr1, New - 0, Old - 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.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
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 = 16142028066139427357, last =
16142028066139427357, new = 16142028066139427357.
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.
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 = 16142028066167951767, last =
16142028066167951767, new = 16142028066167951767.

```

EVENT: 19:59:41 : CAS 31-0-39: Hardware initializing 4 2
Seq. State Changed from 112 to 106.
Carriage Initialization: message to init
EVENT: 19:59:41 : CAS 31-0-39: Hardware initializing 5 0
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
Motion Error: fb - 1, r2r - 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: -2
CRGINIT: current encoder reading: 114
CRGINIT: current encoder reading: 113
CRGINIT: current encoder reading: 113
CRGINIT: current encoder reading: 113
CRGINIT: current encoder reading: 113
CRGINIT: reset encoder to: 115
CRGINIT: Carriage motion has been initialized successfully.
Seq. State Changed from 110 to 125.
EVENT: 19:59:45 : CAS 31-0-39: Hardware initializing 5 2
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: 19:59:46 : CAS 31-0-39: Hardware initializing 7 0
  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: Stop gantry servo. Wait for gantry motion to settle...Seq.
State Changed from 107 to 111.
GANTRYINIT: Finish waiting.
GANTRYINIT: Reset gantry encoder(s) to 0.
GANTRYINIT: Move out of the limit switch zone.
GANTRYINIT: Move to the limit switch zone with speed of 0.30 ips.
EVENT: 19:59:53 : CAS 31-0-23: UI cancel req.
GANTRYINIT: Gantry tripping encoders: 407, 372
EVENT: 19:59:53 : CAS 31-0-23: UI cancel req.
GANTRYINIT: Gantry at home ... Encoders: 25, -43
GANTRYINIT: Gantry at home ... Encoders: 28, -44
GANTRYINIT: Gantry at home ... Encoders: 27, -44
GANTRYINIT: Gantry at home ... Encoders: 29, -44
GANTRYINIT: Gantry at home ... Encoders: 28, -44
GANTRYINIT: Gantry offset: -54
GANTRYINIT: Reset gantry encoders to: -379, -470
GANTRYINIT: Gantry motion has been initialized successfully.
GANTRYINIT: Gantry initialization done. Gantry servo on.
EVENT: 19:59:57 : CAS 31-0-39: Hardware initializing 7 2
Seq. State Changed from 111 to 128.
Seq. State Changed from 128 to 172.
EVENT: 19:59:57 : CAS 31-0-39: Hardware initializing 6 0
STEPPER: Set stepper target to 1209: counts.
EVENT: 19:59:58 : CAS 31-0-39: Hardware initializing 6 2
CR Z-axis move done. Target: 2000, Cur:1995.
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: 19:59:58 : CAS 31-0-39: Hardware initializing 8 2
Seq. State Changed from 114 to 100.
UI Machine State changed from 0 to 5.
Seq done: Gantry toggle state: 0, 1.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000

```

EVENT: 20:00:12 : CAS 03-5-12: Carriage Motion System: Error - Servo following error.

MOTION: Carriage motion data logged on 20: 0:12

cmd	Enc1	ganEnc	Enc1	Enc2	Duty	State
0	-376	-4848	0	2300	6	
0	-376	-4912	0	2300	6	
0	-376	-4976	0	2300	6	
0	-376	-5039	0	2300	6	
0	-376	-5102	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: 20460

MOTION: Motor 0 motion data counter from PowerPC: 20460

New SysCtrl error 0x0 -> 0x2.

Motion error - stopping all motion.

EVENT: 20:00:16 : CAS 31-0-26: System control error (ID-1, SubID-2).

Motion Error: fb - 0, r2r - 1!

Printer Error: UI notified!

SysError - Carriage Motion.

Printer Error: Motion - 0 -> 1!

Printer Error: Gantry toggle state: 0, 0.

HWIF: z1 = 1207, z2 = 1209

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

Motion error Reset.

InkServo - Init to On.

EVENT: 20:00:35 : 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 5 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 100 to 139.

New SysCtrl error 0x2 -> 0x0.

SysErr1, New - 0, Old - 2

EVENT: 20:00:35 : 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
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 = 16142028066139427357, last = 16142028066139427357, new = 16142028066139427357.
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.
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.
EVENT: 20:00:36 : CAS 31-0-39: Hardware initializing 4 2
Seq. State Changed from 112 to 106.
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 = 16142028066167951767, last = 16142028066167951767, new = 16142028066167951767.
EVENT: 20:00:36 : 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.
Motion Error: fb - 1, r2r - 1!
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: 2
CRGINIT: current encoder reading: 158
CRGINIT: current encoder reading: 156
CRGINIT: current encoder reading: 156

```

CRGINIT: current encoder reading: 156
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: index: 3, name: Nozzle Check - Narrow.
TP: index: 4, name: Nozzle Check - White.
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.
CRGINIT: current encoder reading: 156
CRGINIT: reset encoder to: 154
CRGINIT: Carriage motion has been initialized successfully.
EVENT: 20:00:40 : 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: 20:00:41 : 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: Stop gantry servo. Wait for gantry motion to settle...Seq.
State Changed from 107 to 111.
GANTRYINIT: Finish waiting.
GANTRYINIT: Reset gantry encoder(s) to 0.
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: 362, 325
GANTRYINIT: Gantry at home ... Encoders: -24, -92
GANTRYINIT: Gantry at home ... Encoders: -20, -92
GANTRYINIT: Gantry at home ... Encoders: -22, -92
GANTRYINIT: Gantry at home ... Encoders: -19, -92
GANTRYINIT: Gantry at home ... Encoders: -19, -92
GANTRYINIT: Gantry offset: -54
GANTRYINIT: Reset gantry encoders to: -381, -471
GANTRYINIT: Gantry motion has been initialized successfully.
GANTRYINIT: Gantry initialization done. Gantry servo on.
EVENT: 20:00:53 : CAS 31-0-39: Hardware initializing 7 2
Seq. State Changed from 111 to 128.
Seq. State Changed from 128 to 172.
EVENT: 20:00:53 : CAS 31-0-39: Hardware initializing 6 0
STEPPER: Set stepper target to 1209: counts.
CR Z-axis move done. Target: 2000, Cur:1995.
EVENT: 20:00:53 : 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: 20:00:54 : CAS 31-0-39: Hardware initializing 8 2
Seq. State Changed from 114 to 100.
UI Machine State changed from 0 to 5.
Seq done: Gantry toggle state: 0, 1.
EVENT: 20:01:00 : CAS 31-0-23: UI cancel req.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
EVENT: 20:01:01 : CAS 31-0-23: UI cancel req.
EVENT: 20:01:01 : CAS 31-0-23: UI cancel req.
EVENT: 20:01:01 : CAS 31-0-23: UI cancel req.
EVENT: 20:01:02 : CAS 31-0-23: UI cancel req.
EVENT: 20:01:05 : CAS 31-0-23: UI cancel req.
EVENT: 20:01:05 : CAS 31-0-23: UI cancel req.
EVENT: 20:01:06 : CAS 31-0-23: UI cancel req.
EVENT: 20:01:06 : CAS 31-0-23: UI cancel req.
EVENT: 20:01:07 : CAS 31-0-23: UI cancel req.
EVENT: 20:01:30 : CAS 03-5-12: Carriage Motion System: Error - Servo
following error.
MOTION: Carriage motion data logged on 20: 1:30
cmdEnc1      ganEnc      Enc1 Enc2 Duty State
0      -377 -4943 0      2300 6
0      -378 -4988 0      2300 6
0      -379 -5032 0      2300 6
0      -379 -5075 0      2300 6
0      -379 -5119 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: 4590
MOTION: Motor 0 motion data counter from PowerPC: 4590
New SysCtrl error 0x0 -> 0x2.
Motion error - stopping all motion.
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Carriage Motion.
Printer Error: Motion - 0 -> 1!
Printer Error: Gantry toggle state: 0, 0.
HWIF: z1 = 1207, 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

```

Lamp system state changed from 3 -> 0. Last Sys state = 3
Motion error Reset.
EVENT: 20:11:33 : CAS 31-0-39: Hardware initializing 1 0
UI Machine State changed from 5 to 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.
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 0x2 -> 0x0.
EVENT: 20:11:33 : CAS 31-0-39: Hardware initializing 1 2
SysErr1, New - 0, Old - 2
EVENT: 20:11:33 : 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
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 = 16142028066139427357, last =
16142028066139427357, new = 16142028066139427357.
Seq. State Changed from 108 to 112.
EVENT: 20:11:33 : CAS 31-0-39: Hardware initializing 4 2
Seq. State Changed from 112 to 106.
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.
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.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
CRGINIT: Move to the limit switch zone with speed of 0.30 ips.
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 = 16142028066167951767, last =
16142028066167951767, new = 16142028066167951767.
CRGINIT: Carriage stops. Limit switch tripping enc: 2
CRGINIT: current encoder reading:                116
CRGINIT: current encoder reading:                116
CRGINIT: current encoder reading:                115
CRGINIT: current encoder reading:                115
CRGINIT: current encoder reading:                116
CRGINIT: reset encoder to:                      114
CRGINIT: Carriage motion has been initialized successfully.
EVENT: 20:11:38 : 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: 20:11:38 : 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: Stop gantry servo. Wait for gantry motion to settle...Seq.
State Changed from 107 to 111.
GANTRYINIT: Finish waiting.
GANTRYINIT: Reset gantry encoder(s) to 0.
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: 381, 331
GANTRYINIT: Gantry at home ... Encoders: -14, -72
GANTRYINIT: Gantry at home ... Encoders: -11, -72
GANTRYINIT: Gantry at home ... Encoders: -12, -72
GANTRYINIT: Gantry at home ... Encoders: -8, -72
GANTRYINIT: Gantry at home ... Encoders: -11, -72
GANTRYINIT: Gantry offset:          -54
GANTRYINIT: Reset gantry encoders to: -392, -457
GANTRYINIT: Gantry motion has been initialized successfully.
GANTRYINIT: Gantry initialization done. Gantry servo on.
EVENT: 20:11:50 : CAS 31-0-39: Hardware initializing 7 2
Seq. State Changed from 111 to 128.
EVENT: 20:11:50 : CAS 31-0-39: Hardware initializing 6 0
Seq. State Changed from 128 to 172.
STEPPER: Set stepper target to 1209: counts.
EVENT: 20:11:50 : CAS 31-0-39: Hardware initializing 6 2
CR Z-axis move done. Target: 2000, Cur:1995.
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.
Seq. State Changed from 114 to 100.
EVENT: 20:11:51 : CAS 31-0-39: Hardware initializing 8 2
UI Machine State changed from 0 to 5.
Seq done: Gantry toggle state: 0, 1.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
EVENT: 20:12:02 : CAS 31-0-23: UI cancel req.
EVENT: 20:12:02 : CAS 31-0-23: UI cancel req.
EVENT: 20:12:22 : CAS 31-0-23: UI cancel req.
EVENT: 20:12:24 : CAS 31-0-23: UI cancel req.
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: index: 3, name: Nozzle Check - Narrow.

TP: index: 4, name: Nozzle Check - White.

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.

CONFIG: Configuration backed up.

Error: 00000000

EVENT: 20:12:39 : CAS 27-0-47: Datalog and log files have been generated.

MOTION: Carriage EVENT: 20:14:18 : CAS 03-5-13: Carriage Motion System:

Error - Servo no motion error.

cmd	Enc1	gan	Enc	Enc1	Enc2	Duty	State
0	-390	12	0	-401	6		
0	-390	12	0	-401	6		
0	-390	12	0	-401	6		
0	-390	12	0	-401	6		
0	-390	12	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 0 motion data counter: 7914
 MOTION: Motor 0 motion data counter from PowerPC: 7914
 New SysCtrl error 0x0 -> 0x2.
 Motion error - stopping all motion.
 EVENT: 20:14:20 : CAS 31-0-26: System control error (ID-1, SubID-2).
 Motion Error: fb - 0, r2r - 1!
 Printer Error: UI notified!
 SysError - Carriage Motion.
 Printer Error: Motion - 0 -> 1!
 Printer Error: Gantry toggle state: 0, 0.
 HWIF: z1 = 1207, z2 = 1209
 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
 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 -> 0, MDoor: 0 -> 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.
 Safety - stopping carriage move.
 HWIF: z1 = 1207, z2 = 1209
 Safety - moving carriage up to 51263.
 Head voltage disable, 0x000003ff
 EVENT: 20:14:35 : CAS 27-0-11: Interlock status changed. State: 1
 Head VOLTAGE disabled for all heads.
 UI Machine State changed from 5 to 16.
 Printer Error: 99.
 Interlock: Gantry toggle state: 0, 0.
 Flags on clr 4 changed: 54 -> 18.
 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 = 0x0, System
 Control = 0xC0000, Roll to Roll = 0x0
 INTERRUPT: Gantry PWM fault.
 INTERRUPT: status DMA = 0x0, DRC = 0x0, Carriage = 0x0, Gantry = 0x0, System
 Control = 0xF0000, Roll to Roll = 0x0
 INTERRUPT: System Control Board relay tripped.
 INTERRUPT: Gantry PWM fault.
 SInt: Estop: 0 -> 0, MDoor: 1 -> 0.
 INTERRUPT: status DMA = 0x0, DRC = 0x0, Carriage = 0x0, Gantry = 0x0, System
 Control = 0xC0000, Roll to Roll = 0x0
 INTERRUPT: Gantry PWM fault.
 Head voltage enable, 0x000003fc
 EVENT: 20:14:35 : CAS 27-0-11: Interlock status changed. State: 0
 Interlock: Gantry toggle state: 0, 0.
 INTERRUPT: status DMA = 0x0, DRC = 0x0, Carriage = 0x0, Gantry = 0x0, System
 Control = 0xC0000, Roll to Roll = 0x0
 INTERRUPT: Gantry PWM fault.

STEPPER: Set stepper target to 30999: counts.
STEPPER: current Z-Axis (stepper 1) location: 1207 target location: 30999 difference : -29792
STEPPER: servoing stepper 1 by: 24827 steps
STEPPER: current Z-Axis stepper 2 location: 1209 target location: 30999 difference : -29790
STEPPER: servoing stepper 2 by: 24825 steps
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x30000,System Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Gantry Board relay tripped.
SInt: Estop: 0 -> 0, MDoor: 0 -> 1.
EVENT: 20:14:40 : CAS 27-0-11: Interlock status changed. State: 1
Head voltage disable, 0x000003ff
Printer Error: 99.
Interlock: Gantry toggle state: 0, 0.
Head VOLTAGE disabled for all heads.
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 = 0xC0000,System Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage PWM fault.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0xF0000,System Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Gantry Board relay tripped.
INTERRUPT: Carriage PWM fault.
SInt: Estop: 0 -> 0, MDoor: 1 -> 0.
Head voltage enable, 0x000003fc
EVENT: 20:14:40 : CAS 27-0-11: Interlock status changed. State: 0
Interlock: Gantry toggle state: 0, 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 = 0xC0000,System Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage PWM fault.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x30000,System Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Gantry Board relay tripped.
SInt: Estop: 0 -> 1, MDoor: 0 -> 1.
EVENT: 20:14:41 : CAS 27-0-12: E-Stop status changed. State: 1
EVENT: 20:14:41 : CAS 27-0-11: Interlock status changed. State: 1
Head voltage disable, 0x000003ff
Printer Error: 100.
Interlock: Gantry toggle state: 0, 0.
Head VOLTAGE disabled for all heads.
Printer Error: 99.
Interlock: Gantry toggle state: 0, 0.
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.
SInt: Estop: 1 -> 0, MDoor: 1 -> 1.
EVENT: 20:14:46 : CAS 27-0-12: E-Stop status changed. State: 0
Interlock: Gantry toggle state: 0, 0.

STEPPER: current Z-Axis (stepper 1) location: 30991 target location: 30999 difference : -8
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.
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.
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: 22:00:34 : 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.
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 100 to 139.
EVENT: 22:00:34 : CAS 31-0-39: Hardware initializing 1 2
New SysCtrl error 0x2 -> 0x0.
EVENT: 22:00:34 : CAS 31-0-26: System control error (ID-1, SubID-0).
SysErr1, New - 0, Old - 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: 18 -> 54.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
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 = 16142028066139427357, last = 16142028066139427357, new = 16142028066139427357.
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 = 0x0,System Control = 0x30000,Roll to Roll = 0x0
INTERRUPT: System Control Board relay tripped.
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0x0,Gantry = 0x0,System Control = 0x30000,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: 22:00:34 : CAS 27-0-11: Interlock status changed. State: 0
Head voltage enable, 0x000003fc
Head VOLTAGE enabled for 0x3fc heads.
Seq. State Changed from 135 to 136.
Seq. State Changed from 136 to 108.
Seq. State Changed from 108 to 112.
Seq. State Changed from 112 to 106.
EVENT: 22:00:35 : CAS 31-0-39: Hardware initializing 4 2
EVENT: 22:00:35 : 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
Motion Error: fb - 1, r2r - 1!

```

CRGINIT: Carriage in the magnet zone.
CRGINIT: Move carriage out of limit switch zone with init slew speed.
EVENT: 22:00:35 : CAS 03-5-13: Carriage Motion System: Error - Servo no
motion error.
MOTION: Carriage motion data logged on 22: 0:35
Interlock: Gantry toggle state: 0, 0.
cmdEnc1      ganEnc      Enc1  Enc2  Duty  State
15210 -935   15560 0      -801  2
15192 -935   15560 0      -827  2
15173 -935   15560 0      -854  2
15154 -934   15560 0      -881  2
15134 -934   15560 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 0 motion data counter: 360
MOTION: Motor 0 motion data counter from PowerPC: 360
Seq. State Changed from 106 to 110.
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 = 16142028066167951767, last =
16142028066167951767, new = 16142028066167951767.
New SysCtrl error 0x0 -> 0x2.
EVENT: 22:00:36 : CAS 31-0-26: System control error (ID-1, SubID-2).
Motion error - stopping all motion.
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Carriage Motion.
Printer Error: Motion - 0 -> 1!
Printer Error: Gantry toggle state: 0, 0.
HWIF: z1 = 31000, z2 = 30999
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
EVENT: 22:00:36 : CAS 31-0-25: Seq 1 failed. Last state: 2.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 0, 0.
Motion error Reset.

```

```
**InkServo** - Init to On.
EVENT: 22:00:37 : 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 110 to 139.
New SysCtrl error 0x2 -> 0x0.
EVENT: 22:00:37 : CAS 31-0-39: Hardware initializing 1 2
EVENT: 22:00:37 : CAS 31-0-26: System control error (ID-1, SubID-0).
SysErr1, New - 0, Old - 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.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
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 = 16142028066139427357, last =
16142028066139427357, new = 16142028066139427357.
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.
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 = 16142028066167951767, last =
16142028066167951767, new = 16142028066167951767.
EVENT: 22:00:38 : CAS 31-0-39: Hardware initializing 4 2
Seq. State Changed from 112 to 106.
EVENT: 22:00:38 : 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
Motion Error: fb - 1, r2r - 1!
CRGINIT: Carriage in the magnet zone.
CRGINIT: Move carriage out of limit switch zone with init slew speed.
MOTION: Carriage motion data logged on 22: 0:39
EVENT: 22:00:39 : CAS 03-5-13: Carriage Motion System: Error - Servo no
motion error.
cmdEnc1      ganEnc      Enc1  Enc2  Duty  State
14381 -934   15560 0      -1907 2
14342 -934   15560 0      -1953 2
14303 -933   15560 0      -1999 2
14263 -933   15560 0      -2046 2
14222 -933   15560 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 0 motion data counter: 540
MOTION: Motor 0 motion data counter from PowerPC: 540
Seq. State Changed from 106 to 110.
New SysCtrl error 0x0 -> 0x2.
EVENT: 22:00:39 : CAS 31-0-26: System control error (ID-1, SubID-2).
Motion error - stopping all motion.
Motion Error: fb - 0, r2r -1!
Printer Error: UI notified!
SysError - Carriage Motion.
Printer Error: Motion - 0 -> 1!
Printer Error: Gantry toggle state: 0, 0.
HWIF: z1 = 31000, z2 = 30999
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
EVENT: 22:00:39 : CAS 31-0-25: Seq 1 failed. Last state: 2.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 0, 0.
Motion error Reset.
EVENT: 22:00:40 : 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.
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.
EVENT: 22:00:40 : CAS 31-0-39: Hardware initializing 1 2
Seq. State Changed from 110 to 139.
New SysCtrl error 0x2 -> 0x0.
EVENT: 22:00:40 : CAS 31-0-26: System control error (ID-1, SubID-0).
SysErr1, New - 0, Old - 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.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
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 = 16142028066139427357, last =
16142028066139427357, new = 16142028066139427357.
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.
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.
EVENT: 22:00:41 : CAS 31-0-39: Hardware initializing 4 2
Seq. State Changed from 112 to 106.
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 = 16142028066167951767, last =
16142028066167951767, new = 16142028066167951767.
EVENT: 22:00:41 : 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.
Motion Error: fb - 1, r2r - 1!
Seq. State Changed from 106 to 110.
MOTION: EVENT: 22:00:42 : CAS 03-5-13: Carriage Motion System: Error -
Servo no motion error.
Carriage motion data logged on 22: 0:42
cmdEnc1     ganEnc     Enc1 Enc2 Duty State
12180 -934  15560 0      -2300 2
12111 -934  15560 0      -2300 2
12041 -933  15560 0      -2300 2
11970 -933  15560 0      -2300 2
11899 -933  15560 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 0 motion data counter: 786
MOTION: Motor 0 motion data counter from PowerPC: 786
New SysCtrl error 0x0 -> 0x2.
Motion error - stopping all motion.
EVENT: 22:00:42 : CAS 31-0-26: System control error (ID-1, SubID-2).
Motion Error: fb - 0, r2r -1!
Printer Error: UI notified!
SysError - Carriage Motion.
Printer Error: Motion - 0 -> 1!
Printer Error: Gantry toggle state: 0, 0.
HWIF: z1 = 31000, z2 = 30999
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
EVENT: 22:00:42 : CAS 31-0-25: Seq 1 failed. Last state: 2.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 0, 0.
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.
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 9216656
Coolant heater switched off
EVENT: 22:00:48 : CAS 27-0-16: Starting ink cooldown.
InkServo - E-stop On.
Safety - stopping carriage move.
HWIF: z1 = 31000, z2 = 30999
EVENT: 22:00:48 : CAS 27-0-12: E-Stop status changed. State: 1
Safety - moving carriage up to 51263.
EVENT: 22:00:48 : CAS 27-0-11: Interlock status changed. State: 1
Head voltage disable, 0x000003ff
Head VOLTAGE disabled for all heads.
Flags on clr 4 changed: 54 -> 18.
Disabling Degas. Servo mode = 1.
EVENT: 22:00:48 : CAS 27-0-13: Ink heat servo state change 0
Printer Error: 100.
Interlock: Gantry toggle state: 0, 0.
STEPPER: Set stepper target to 30999: counts.
Printer Error: 99.
Interlock: Gantry toggle state: 0, 0.
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: 22:00:53 : CAS 27-0-12: E-Stop status changed. State: 0
Interlock: Gantry toggle state: 0, 0.
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.
Ink heat cooldown complete at time 10084750, reservoir temperature =
36.9714
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.
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.
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.
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.
HWIF: Performing head thermistor test type 0
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 0.
Good heads = 6 Num of discarded heads = 0 Mean = 22.53 Block temp =23.65
Head 6 Temp 21.66 Status 0 UsedForAverage 1
Head 8 Temp 22.70 Status 0 UsedForAverage 1
Head 2 Temp 22.48 Status 0 UsedForAverage 1
Head 9 Temp 22.53 Status 0 UsedForAverage 1
Head 4 Temp 22.90 Status 0 UsedForAverage 1
Head 5 Temp 22.93 Status 0 UsedForAverage 1
Head 0 Temp 22.53 Status 2 UsedForAverage 0
Head 7 Temp 18.11 Status 1 UsedForAverage 0
Head 1 Temp 22.93 Status 2 UsedForAverage 0
Head 3 Temp 23.03 Status 1 UsedForAverage 0
EVENT: 02:00:48 : CAS 27-0-59: Printhead thermistor check completed
(0=Cold, 1=Warm), (0=Success, 1=Fail, 2=Cancel): Check type 0, Check
result 0.
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.
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.
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HWIF: Couldn't read ink tag
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No need to set last used and low level type on 3. Type plugged 8

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No need for ink update event on 3 (N1111111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
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No need to set last used and low level type on 3. Type plugged 8
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HWIF: Couldn't read ink tag
Updating Ink Bag Info, Colour 3, NoOfColours 5.
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No need for ink update event on 3 (N1111111111111111).
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16142028066174759399, new = 16142028066174759399.
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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 (N1111111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Estop/CR Guard/Door ResetEVENT: 08:12:48 : CAS 27-0-12: E-Stop status
changed. State: 0
EVENT: 08:12:48 : 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.
Interlock: Gantry toggle state: 0, 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
EVENT: 08:12:48 : CAS 31-0-39: Hardware initializing 1 2
Seq. State Changed from 110 to 139.
New SysCtrl error 0x2 -> 0x0.
EVENT: 08:12:48 : CAS 31-0-26: System control error (ID-1, SubID-0).
SysErr1, New - 0, Old - 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: 18 -> 54.
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: 08:12:48 : CAS 27-0-13: Ink heat servo state change 1
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 = 16142028066139427357, last =
16142028066139427357, new = 16142028066139427357.
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 = 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.
EVENT: 08:12:48 : CAS 27-0-11: Interlock status changed. State: 0
Head voltage enable, 0x000003fc
Head VOLTAGE enabled for 0x3fc heads.
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 = 45936.937000
                    Target = 0.000000
                    Temp = 22.222123
EVENT: 08:12:48 : CAS 31-0-39: Hardware initializing 4 2
Seq. State Changed from 112 to 106.
Carriage Initialization: message to init
EVENT: 08:12:48 : 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 magnet zone.
CRGINIT: Move carriage out of limit switch zone with init slew speed.
EVENT: 08:12:48 : CAS 03-5-12: Carriage Motion System: Error - Servo
following error.
MOTION: Motion Error: fb - 1, r2r - 1!
Carriage motion data logged on 8:12:48
cmdEnc1  ganEnc  Enc1  Enc2  Duty  State
10715 -900 15522 0 -2300 2
10634 -900 15522 0 -2300 2
10552 -900 15522 0 -2300 2
10469 -900 15522 0 -2300 2
10386 -900 15522 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: 900
MOTION: Motor 0 motion data counter from PowerPC: 900
Seq. State Changed from 106 to 110.
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.
Interlock: Gantry toggle state: 0, 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.
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 = 16142028066167951767, last = 16142028066167951767, new = 16142028066167951767.
New SysCtrl error 0x0 -> 0x2.
Motion error - stopping all motion.
EVENT: 08:12:50 : CAS 31-0-26: System control error (ID-1, SubID-2).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Carriage Motion.
Printer Error: Motion - 0 -> 1!
Printer Error: Gantry toggle state: 0, 0.
HWIF: z1 = 31000, z2 = 30999
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
EVENT: 08:12:50 : CAS 31-0-25: Seq 1 failed. Last state: 2.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 0, 0.
Motion error Reset.
InkServo - Init to On.
EVENT: 08:12:52 : 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 110 to 139.
New SysCtrl error 0x2 -> 0x0.
SysErr1, New - 0, Old - 2
EVENT: 08:12:52 : CAS 31-0-39: Hardware initializing 1 2
EVENT: 08:12:52 : 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
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 = 16142028066139427357, last =
16142028066139427357, new = 16142028066139427357.
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.
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.
EVENT: 08:12:52 : CAS 31-0-39: Hardware initializing 4 2
Seq. State Changed from 112 to 106.
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 = 16142028066167951767, last =
16142028066167951767, new = 16142028066167951767.
EVENT: 08:12:53 : 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.
Motion Error: fb - 1, r2r - 1!
MOTION: EVENT: 08:12:53 : CAS 03-5-13: Carriage Motion System: Error -
Servo no motion error.
motion data logged on 8:12:53
cmdEnc1    ganEnc    Enc1  Enc2  Duty  State
12917 -901  15523 0      -2300 2
12857 -901  15523 0      -2300 2
12796 -901  15523 0      -2300 2
12734 -900  15523 0      -2300 2
12671 -900  15523 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
Seq. State Changed from 106 to 110.
MOTION: Motor 0 motion data counter: 714
MOTION: Motor 0 motion data counter from PowerPC: 714
New SysCtrl error 0x0 -> 0x2.
Motion error - stopping all motion.
EVENT: 08:12:54 : CAS 31-0-26: System control error (ID-1, SubID-2).
Motion Error: fb - 0, r2r - 1!
Printer Error: UI notified!
SysError - Carriage Motion.
Printer Error: Motion - 0 -> 1!
Printer Error: Gantry toggle state: 0, 0.
HWIF: z1 = 31000, z2 = 30999
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: 08:12:54 : CAS 31-0-25: Seq 1 failed. Last state: 2.
UI Machine State changed from 0 to 16.
Seq 1 Failed: Gantry toggle state: 0, 0.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
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: index: 3, name: Nozzle Check - Narrow.
TP: index: 4, name: Nozzle Check - White.
TP: index: 5, name: Nozzle Check.
TP: index: 6, name: Origin Alignment - Magnetic Overlay.

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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.
CONFIG: Configuration backed up.
Error: 00000000