

15/03/2022 16:40 Ver. 4.19.0.13 running.

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 0x00000A34) 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: 16:40:25 : 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: 16:40:28 : CAS 31-0-57: Data backup initialization completed.
Seq. State Changed from 102 to 103.
EVENT: 16:40:28 : 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
FPGA:Link 1 run time code revision is carriage_link_1.1.3_sf
Adding media 127(stratader). Active 127
Adding media 129(regulus). Active 129
Adding media 131(mash 160). Active 131
JTAG:Reloading from link 1,offset 0.
Adding media 134(roll up 1). Active 134
Adding media 142(esy dot 1). Active 142
Adding media 143(cerada avery 1050). Active 143
Adding media 144(cerada avery 1600). Active 144
Adding media 146(cerada avery 1600). Active 146
Adding media 147(cerada avery 1600). Active 147

Adding media 148(cerada avery 1600). Active 148
Adding media 149(cerada avery 1600). Active 149
Adding media 150(cerada avery 1600). Active 150
Adding media 151(cerada avery 1600). Active 151
Adding media 152(cerada avery 1600). Active 152
Adding media 153(cerada avery 1600 1). Active 153
Adding media 154(cerada avery 1620). Active 154
Adding media 155(cerada avery 1600g0renje). Active 155
Adding media 156(cerada avery 1600g0renje 1). Active 156
Adding media 157(cerada avery 1620 g0renje 3). Active 157
Adding media 159(blubackpapier1370). Active 159
Adding media 160(blubackpapier1370). Active 160
Adding media 161(cerada avery 1600g0renje). Active 161
Adding media 162(cerada avery 1600 tekstil). Active 162
Adding media 163(cerada avery 1600 nik). Active 163
Adding media 164(blubackpapier1370). Active 164
Adding media 165(cerada avery 1600g0renje 2). Active 165
Adding media 166(cerada avery 1600g0renje). Active 166
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 0x00000A78) has started.
Checking machine configuration table
Machine configuration table too small or not complete
Machine configuration module not valid?
Thread 'INPUT' (NT Thread 0x00000A7C) has started.
Thread 'Swathmaker' (NT Thread 0x00000A80) has started.
HWIF: Warning: Unavailable interrupt(s) requested: 0x000200e0
Warning: Unexpected message to thread 'Swathmaker' = 0x0, wParam = 0x0,
lParam = 0x0
HXL:Link 2 SPI phase detection succeeded. Phase = -1.
ar30_getFlashInterface link 2 chain 0
FPGA:Link 2 run time code revision is gantry_2.1.3.dcmotor_sf
JTAG:Reloading from link 2,offset 0.
FPGA:Link 2 Program/Verify/Reload done.
HXL:Link 3 SPI phase detection succeeded. Phase = -1.
ar30_getFlashInterface link 3 chain 0
FPGA:Link 3 run time code revision is system_spi_5.0.7_sf
JTAG:Reloading from link 3,offset 0.
FPGA:Link 3 Program/Verify/Reload done.
ar30_getFlashInterface link 4 chain 0
FPGA:Link 4 run time code revision is roll2roll_1.0.5_bow_correction
JTAG:Reloading from link 4,offset 0.
FPGA:Link 4 Program/Verify/Reload done.
ar30_getFlashInterface link 0 chain 0
FPGA:Link 0 run time code revision is Data_Relay_1.0.10.rfidall_jtag
JTAG:Reloading from link 0,offset 0.
FPGA:Link 0 Program/Verify/Reload done.
HXL:Link 2 SPI phase detection succeeded. Phase = -1.
HXL:Link 3 SPI phase detection succeeded. Phase = -1.
Colour 0: interlock reg: 21
Colour 1: interlock reg: 1a
Colour 2: interlock reg: 13
Colour 3: interlock reg: 28
Colour 4: interlock reg: 4
Enabling Oce lamps
EVENT: 16:40:39 : CAS 31-0-39: Hardware initializing 0 2

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EVENT: 16:40:39 : CAS 31-0-39: Hardware initializing 14 0
Initting RFID polling
Oce RFID board detected
GANTRYINIT: dual gantry.
EVENT: 16:40:39 : CAS 31-0-39: Hardware initializing 14 2
Ready to start initializing motion params...
MOTION: Number of servo motors: 5.
MOTION: Innitting motion for brushed carriage drive
MOTION: Loading PowerPC executable:
D:\bin\Firmware\Arizona360XT\PowerPC_6.0.1.elf
MOTION: Boot loader successfully loaded PowerPC application.
MOTION: Wait for PowerPC to be ready for communication
=====Ready!
MOTION: Capstan encoder res = 96838.151995 counts/in
MOTION: Dancer encoder res = 1078.009481 counts/in
MOTION: Dual gantry drive.
MOTION: Lamp type = 2
INTERRUPT: status DMA = 0x0,DRC = 0x0, Carriage = 0xC000,Gantry =
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: 16:40:45 : 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: 16:40:45 : CAS 31-0-39: Hardware initializing 1 0
**InkServo** - Init to On.
**InkServo** - Turning ON clr 0.
**InkServo** - Clr 1 not ready for servo ON (0, 0)
**InkServo** - Clr 2 not ready for servo ON (0, 0)
**InkServo** - Clr 3 not ready for servo ON (0, 0)
**InkServo** - Clr 4 not ready for servo ON (0, 0)
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
Changing target temperature from 47.000000 to 45.000000.
Thermistor status init: 0x3FC, 0x3.
HWIF: Received following heat servo parameters:

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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: 16:40:45 : 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: 16:40:45 : 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: 16:40:45 : CAS 27-0-13: Ink heat servo state change 1
**InkServo** - All levels good.
**InkServo** - Turning OFF clr 0.
**InkServo** - Turning OFF clr 1.
**InkServo** - Turning OFF clr 2.
**InkServo** - Turning OFF clr 3.
**InkServo** - Turning OFF clr 4.
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.
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EVENT: 16:40:45 : 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 = 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.
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.
Ink timeout check: Time = 102.296000
 Target = 0.000000
 Temp = 43.020980
Seq. State Changed from 140 to 135.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
EVENT: 16:40:45 : CAS 27-0-27: Ink tag good (CMYKW = 01234;
OD,KO,WT,KI,OD2,KO2,BL,KN,GF,HAI = 1,2,3,4,5,6,7,8,9,10): Clr 3, BN
885673, Type 8.
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
EVENT: 16:40:45 : CAS 31-0-39: Hardware initializing 3 0
Seq. State Changed from 135 to 136.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low
level type on 4. Type plugged 8
InkServo - Turning OFF clr 0.
InkServo - Turning OFF clr 1.
InkServo - Turning OFF clr 2.
InkServo - Turning OFF clr 3.
InkServo - Turning OFF clr 4.
Ink Servo OFF - White Recirc ON.
MC - Set ink bag SN on 4: cur = 16142028066167951767, last =
16142028066167951767, new = 16142028066167951767.
EVENT: 16:40:45 : 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 -> 126.
Updating Ink Bag Info, Colour 0, NoOfColours 5.
No need to set last used and low level type on 0. Type plugged 8
No need for ink update event on 0 (N11111111111111).
MC - Set ink bag SN on 0: cur = 16142028066139417917, last =
16142028066139417917, new = 16142028066139417917.
Updating Ink Bag Info, Colour 1, NoOfColours 5.
No need to set last used and low level type on 1. Type plugged 8

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No need for ink update event on 1 (N1111111111111111).
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 (N1111111111111111).
MC - Set ink bag SN on 2: cur = 16142028066139488370, last =
16142028066139488370, new = 16142028066139488370.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N1111111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
UI Machine State changed from 0 to 1.
Updating Ink Bag Info, Colour 4, NoOfColours 5.
Getting 2 white ink bag infos - 0.
No two tags are found on white port.No need to set last used and low
level type on 4. Type plugged 8
No need for ink update event on 4 (N1111111111111111).
MC - Set ink bag SN on 4: cur = 16142028066167951767, last =
16142028066167951767, new = 16142028066167951767.
Pressure servo: setting level to 0.440000
Pressure servo: setting level to 5.000000
High pump duty cycle for pressure servo 2. Mode = 1. Setpoint =
12.000000.
EVENT: 16:43:05 : CAS 05-5-05: Ink Bay System: Error - Degas vacuum level
low (0.169963 psi).
Could not reach pressure for servo 2. Mode = 0. Pressure = 0.169963.
Setpoint = 12.000000. Disabling
Degas error event 264 for 0. Currently 1. Params: Mode = 1, setpoint =
12.000000
Degas error event 265 for 0. Currently 1. Params: Mode = 1, setpoint =
12.000000
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: 16:43:40 : CAS 31-0-39: Hardware initializing 3 2
EVENT: 16:43:40 : CAS 31-0-39: Hardware initializing 2 0
UI Machine State changed from 1 to 0.
UI Machine State changed from 0 to 2.
Seq. State Changed from 136 to 108.
EVENT: 16:43:46 : CAS 31-0-39: Hardware initializing 2 2
UI Machine State changed from 2 to 0.
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.
STEPPER: start initializing stepper system...
STEPPER: limit switch 1 = 31000, limit switch 2 offset = 0
STEPPER: reset stepper encoders to 0.
EVENT: 16:43:46 : CAS 31-0-39: Hardware initializing 4 0
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STEPPER: Move both steppers up by max travel distance.
Seq. State Changed from 108 to 112.
STEPPER: before forcing to stop, enc1 = 30508, enc2 = 30507.
STEPPER: stop both after seeing the limit switches.
MOTION: Stepper #0 tripping encoder: 29792
MOTION: Stepper #1 tripping encoder: 29794
STEPPER: after stopping, enc1 = 30511, enc2 = 30510.
STEPPER: stepper 1 enc: 30511, stepper 2 enc: 30510
STEPPER: Reset stepper enc 1 to: 31719
STEPPER: Reset stepper enc 2 to: 31716, adjust 2 by: 3 cnts, 3 steps
STEPPER: adjust stepper 2.
STEPPER: initialization done.
EVENT: 16:44:03 : CAS 31-0-39: Hardware initializing 4 2
Seq. State Changed from 112 to 106.
EVENT: 16:44:03 : 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: 15
CRGINIT: current encoder reading: 148
CRGINIT: current encoder reading: 147
CRGINIT: current encoder reading: 147
CRGINIT: current encoder reading: 147
CRGINIT: current encoder reading: 147
CRGINIT: reset encoder to: 132
CRGINIT: Carriage motion has been initialized successfully.
Seq. State Changed from 110 to 125.
EVENT: 16:44:07 : 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

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    bitShift      4
    integration mode    1
Seq. State Changed from 125 to 170.
Seq. State Changed from 170 to 107.
EVENT: 16:44:08 : 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: 6342, 9023
GANTRYINIT: Gantry at home ... Encoders: 5947, 6454
GANTRYINIT: Gantry at home ... Encoders: 5947, 6455
GANTRYINIT: Gantry at home ... Encoders: 5947, 6455
GANTRYINIT: Gantry at home ... Encoders: 5947, 6455
GANTRYINIT: Gantry at home ... Encoders: 5947, 6455
GANTRYINIT: Gantry offset:      -54
GANTRYINIT: Reset gantry encoders to: -395, -2622
GANTRYINIT: Gantry motion has been initialized successfully.
GANTRYINIT: Gantry initialization done. Gantry servo on.
EVENT: 16:44:16 : CAS 31-0-39: Hardware initializing 7 2
Seq. State Changed from 111 to 128.
Seq. State Changed from 128 to 172.
EVENT: 16:44:17 : CAS 31-0-39: Hardware initializing 6 0
STEPPER: Set stepper target to 1209: counts.
STEPPER: current Z-Axis (stepper 1) location: 31719 target location:
1209 difference : 30510
STEPPER: servoing stepper 1 by: -25425 steps
STEPPER: current Z-Axis stepper 2 location: 31721 target location: 1209
difference : 30512
STEPPER: servoing stepper 2 by: -25427 steps
EVENT: 16:44:33 : CAS 31-0-39: Hardware initializing 6 2
CR Z-axis move done. Target: 2000, Cur:2171.
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
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kaf          500.000000
kvf          0.000000
kseed        0.000000
extraStep    1000
bitShift     4
integration mode 1
Seq. State Changed from 131 to 114.
EVENT: 16:44:33 : CAS 31-0-39: Hardware initializing 8 2
Seq. State Changed from 114 to 100.
Spit needs voltage on 0.
Spit needs voltage on 1.
Spit needs voltage on 2.
Spit needs voltage on 3.
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Flags on clr 0 changed: 8 -> 10.
Flags on clr 1 changed: 8 -> 10.
Flags on clr 2 changed: 8 -> 10.
Flags on clr 3 changed: 8 -> 10.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for all heads.
UI Machine State changed from 0 to 5.
Seq done: Gantry toggle state: 1, 1.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
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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)

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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
Lamp system state changed from 3 -> 0. Last Sys state = 3
Ink timeout check: Time = 402.671000
 Target = 43.070980
 Temp = 45.371376
Temperature setpoint achieved (or close enough)
EVENT: 16:45:46 : 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 = 45.37 Block temp =48.72
Tolerance 10
Head 6 Temp 44.02 Status 0 UsedForAverage 1
Head 8 Temp 46.02 Status 0 UsedForAverage 1
Head 2 Temp 44.99 Status 0 UsedForAverage 1
Head 9 Temp 45.92 Status 0 UsedForAverage 1
Head 4 Temp 45.59 Status 0 UsedForAverage 1
Head 5 Temp 45.65 Status 0 UsedForAverage 1
Head 0 Temp 44.77 Status 2 UsedForAverage 0
Head 7 Temp 38.70 Status 1 UsedForAverage 0
Head 1 Temp 45.39 Status 2 UsedForAverage 0
Head 3 Temp 45.79 Status 1 UsedForAverage 0
EVENT: 16:45:46 : 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)
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pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
HWIF: Couldn't read ink tag
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N1111111111111).
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
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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)
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Precursor state changed from 3 to 0.
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Head VOLTAGE enabled for 0x3ff heads.

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Spit needs voltage on 4.
Head VOLTAGE needed for spit.
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Head VOLTAGE enabled for 0x3ff heads.
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Setting swath width to 1ffea30
Spit releases voltage 4.
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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)
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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.
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Head VOLTAGE disabled for white heads.
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Precursor - starting precursor.
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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)
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Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
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pP = 27, dS = 8, actual spit frequency = 1543.209877
INTERRUPT: status DMA = 0x0,DRC = 0x4000000, Carriage = 0x0,Gantry = 0x0, System Control = 0x0, Roll to Roll = 0x0
INTERRUPT: Carriage Board bad frame header.
INTERRUPT: Carriage Board link error count = 1.
Setting swath width to 1ffea30
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
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HXL: 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 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)
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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
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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)
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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)
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HXL: Setting read pointer to 0x01ffc000 (16-bit word)
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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
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.
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HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
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Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
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Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
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pP = 27, dS = 8, actual spit frequency = 1543.209877
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Setting swath width to 1ffea30
Spit releases voltage 4.
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Precursor - starting voltage.
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Precursor - starting precursor.
Precursor state changed from 1 to 2.
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Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
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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)
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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
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 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
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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)
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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
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Setting swath width to 1ffea30
Head VOLTAGE needed for spit.
Spit releases voltage 3.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Precursor state changed from 1 to 0.
Head voltage enable, 0x000003ff
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Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
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Precursor state changed from 2 to 3.
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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
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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
INTERRUPT: status DMA = 0x0,DRC = 0x4000000, Carriage = 0x0,Gantry =
0x0,System Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage Board bad frame header.
INTERRUPT: Carriage Board link error count = 2.
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)
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Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
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pP = 27, dS = 8, actual spit frequency = 1543.209877
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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

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

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

HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit needs voltage on 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
INTERRUPT: status DMA = 0x0,DRC = 0x4000000, Carriage = 0x0,Gantry =
0x0,System Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Carriage Board bad frame header.
INTERRUPT: Carriage Board link error count = 3.
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 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 no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
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)
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Head VOLTAGE disabled for white heads.
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Setting PreCursor ON.

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

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

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Head VOLTAGE needed for spit.
Spit releases voltage 3.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
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HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
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 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 no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff

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

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

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

HXL: Setting read pointer to 0x01ffc5a0 (16-bit word)
pP = 251, dS = 8, actual spit frequency = 166.002656
HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30

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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.
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Setting PreCursor ON.
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pP = 251, dS = 8, actual spit frequency = 166.002656
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Setting swath width to 1ffea30
Spit needs voltage on 4.
Head VOLTAGE needed for spit.
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Head voltage enable, 0x000003ff
Head VOLTAGE enabled for 0x3ff heads.
HXL: Setting write pointer to 0x01ffc000 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Spit time on 4.
Spitting clr: 4, head 0
Spitting clr: 4, head 1
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
HXL: Downloading 0x000032a0 bytes not using DMA
HXL: Setting read pointer to 0x01ffc000 (16-bit word)
pP = 27, dS = 8, actual spit frequency = 1543.209877

HXL: Setting read pointer to 0x01ffd0e0 (16-bit word)
Setting swath width to 1ffea30
Spit releases voltage 4.
Head VOLTAGE no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
Head voltage disable, 0x00000003
Head VOLTAGE disabled for white heads.
Head VOLTAGE already enabled for 0x3fc heads.
Precursor - starting precursor.
Precursor state changed from 1 to 2.
HXL: Setting write pointer to 0x01ffc5a0 (16-bit word)
HXL: Downloading 0x000002d0 bytes not using DMA
Precursor state changed from 2 to 3.
Setting PreCursor ON.
HXL: Setting write pointer to 0x01ffd0e0 (16-bit word)
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HXL: 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 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 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 no longer needed for spit.
Precursor - starting voltage.
Precursor state changed from 0 to 1.
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.

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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
18:45 Timeout: Ink Heat Off.
Temperature Set Point for colour 0 = 45.000000.
Temperature Set Point for colour 1 = 45.000000.
Temperature Set Point for colour 2 = 45.000000.
Temperature Set Point for colour 3 = 45.000000.
Temperature Set Point for colour 4 = 45.000000.
EVENT: 18:45:46 : CAS 27-0-16: Starting ink cooldown.
Ink heat cooldown requested at time 7602843
Coolant heater switched off
Setting PreCursor OFF.
Precursor state changed from 3 to 0.
Disabling Degas. Servo mode = 1.
Head voltage disable, 0x000003ff
Head VOLTAGE disabled for all heads.
EVENT: 18:45:46 : CAS 27-0-13: Ink heat servo state change 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 (N111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Updating Ink Bag Info, Colour 3, NoOfColours 5.
No need to set last used and low level type on 3. Type plugged 8
No need for ink update event on 3 (N111111111111).
MC - Set ink bag SN on 3: cur = 16142028066174759399, last =
16142028066174759399, new = 16142028066174759399.
Ink heat cooldown complete at time 8668296, reservoir temperature =
36.9714
INTERRUPT: status DMA = 0x0,DRC = 0x20000, Carriage = 0x0,Gantry =
0x0,System Control = 0x0,Roll to Roll = 0x0
INTERRUPT: Gantry Board CRC error.
INTERRUPT: Gantry Board link error count = 1.
EVENT: 19:14:50 : CAS 03-5-13: Carriage Motion System: Error - Servo no
motion error.
MOTION: Carriage motion data logged on 19:14:50
cmdEnc1      ganEnc      Enc1  Enc2  Duty  State
0      -394  30      0      -406  6
0      -394  30      0      -406  6
0      -395  30      0      -407  6
0      -395  30      0      -407  6
0      -395  30      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: 6984

MOTION: Motor 0 motion data counter from PowerPC: 6984

New SysCtrl error 0x0 -> 0x2.

Motion error - stopping all motion.

EVENT: 19:14:51 : 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!

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

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 (N1111111111111).

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 (N1111111111111).

MC - Set ink bag SN on 3: cur = 16142028066174759399, last = 16142028066174759399, new = 16142028066174759399.

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

INTERRUPT: Carriage Board bad frame length.

INTERRUPT: Carriage Board link error count = 4.

INTERRUPT: status DMA = 0x0, DRC = 0x0, Carriage = 0x0, Gantry = 0x0, System Control = 0xC0000, Roll to Roll = 0x0

INTERRUPT: Gantry PWM fault.

INTERRUPT: status DMA = 0x0, DRC = 0x0, Carriage = 0x0, Gantry = 0xC0000, System Control = 0x0, Roll to Roll = 0x0

INTERRUPT: Carriage PWM fault.

CR Guard changed from 0 to 1.

CR Guard - Motor servo disabled.**InkServo** - Turning OFF clr 0.

InkServo - Turning OFF clr 1.

InkServo - Turning OFF clr 2.

InkServo - Turning OFF clr 3.

InkServo - Turning OFF clr 4.

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 9873453
Coolant heater switched off
EVENT: 19:23:36 : CAS 27-0-16: Starting ink cooldown.
Safety - stopping carriage move.
EVENT: 19:23:36 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
HWIF: z1 = 1207, z2 = 1208
UI Machine State changed from 5 to 16.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
Safety - moving carriage up to 51263.
Flags on clr 4 changed: 126 -> 90.
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: 1208 target location: 30999
difference : -29791
STEPPER: servoing stepper 2 by: 24826 steps
CR Guard changed from 1 to 0.
CR Safety Re-InstalledEVENT: 19:23:39 : CAS 27-0-14: Carriage safety
switch status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
STEPPER: current Z-Axis (stepper 1) location: 30991 target location:
30999 difference : -8
STEPPER: servoing stepper 1 by: 7 steps
CR Guard changed from 0 to 1.
EVENT: 19:24:04 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetEVENT: 19:25:47 : CAS 27-0-12: E-Stop status
changed. State: 0
CR Guard - Motor servo disabled.Interlock: Gantry toggle state: 1, 0.
Safety - stopping carriage move.
EVENT: 19:25:47 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
HWIF: z1 = 31001, z2 = 31000
UI Machine State changed from 16 to 0.
Safety - moving carriage up to 51263.
New SysCtrl error 0x2 -> 0x0.
SysErr1, New - 0, Old - 2
EVENT: 19:25:47 : CAS 31-0-25: Seq 1 failed. Last state: 0.
EVENT: 19:25:47 : CAS 31-0-26: System control error (ID-1, SubID-0).
UI Machine State changed from 0 to 16.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
Seq 1 Failed: Gantry toggle state: 1, 0.
STEPPER: Set stepper target to 30999: counts.
Motion Error: fb - 0, r2r - 1!
Printer Error: Motion - 1 -> 0!
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.Interlock:
Gantry toggle state: 1, 0.
Safety - stopping carriage move.
HWIF: z1 = 31001, z2 = 31000

EVENT: 19:25:48 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
UI Machine State changed from 16 to 0.
Safety - moving carriage up to 51263.
EVENT: 19:25:48 : 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: Set stepper target to 30999: counts.
Seq 1 Failed: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetEVENT: 19:25:49 : CAS 27-0-12: E-Stop status
changed. State: 0
Safety - stopping carriage move.
EVENT: 19:25:49 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
HWIF: z1 = 31001, z2 = 31000
Interlock: Gantry toggle state: 1, 0.
EVENT: 19:25:49 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
STEPPER: Set stepper target to 30999: counts.
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 ResetEVENT: 19:25:50 : CAS 27-0-12: E-Stop status
changed. State: 0
CR Guard - Motor servo disabled.Safety - stopping carriage move.
HWIF: z1 = 31001, z2 = 31000
Interlock: Gantry toggle state: 1, 0.
EVENT: 19:25:50 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
Safety - moving carriage up to 51263.
EVENT: 19:25:50 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
UI Machine State changed from 0 to 16.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
STEPPER: Set stepper target to 30999: counts.
Seq 1 Failed: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.Safety -
stopping carriage move.
EVENT: 19:25:51 : CAS 27-0-12: E-Stop status changed. State: 0
EVENT: 19:25:51 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
HWIF: z1 = 31001, z2 = 31000
Interlock: Gantry toggle state: 1, 0.
Safety - moving carriage up to 51263.
EVENT: 19:25:51 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
STEPPER: Set stepper target to 30999: counts.
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: 19:25:52
: CAS 27-0-12: E-Stop status changed. State: 0
Safety - stopping carriage move.
HWIF: z1 = 31001, z2 = 31000

Interlock: Gantry toggle state: 1, 0.
EVENT: 19:25:52 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
Safety - moving carriage up to 51263.
EVENT: 19:25:52 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
UI Machine State changed from 0 to 16.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
STEPPER: Set stepper target to 30999: counts.
Seq 1 Failed: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetEVENT: 19:25:53 : CAS 27-0-12: E-Stop status
changed. State: 0
Safety - stopping carriage move.
EVENT: 19:25:53 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
HWIF: z1 = 31001, z2 = 31000
Safety - moving carriage up to 51263.
EVENT: 19:25:53 : 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: Set stepper target to 30999: counts.
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 ResetEVENT: 19:25:53 : CAS 27-0-12: E-Stop status
changed. State: 0
Safety - stopping carriage move.
EVENT: 19:25:53 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
HWIF: z1 = 31001, z2 = 31000
Interlock: Gantry toggle state: 1, 0.
Safety - moving carriage up to 51263.
EVENT: 19:25:53 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
STEPPER: Set stepper target to 30999: counts.
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 ResetEVENT: 19:25:54 : CAS 27-0-12: E-Stop status
changed. State: 0
Interlock: Gantry toggle state: 1, 0.
CR Guard - Motor servo disabled.Safety - stopping carriage move.
HWIF: z1 = 31001, z2 = 31000
EVENT: 19:25:54 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
UI Machine State changed from 16 to 0.
Safety - moving carriage up to 51263.
EVENT: 19:25:54 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 0 to 16.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
STEPPER: Set stepper target to 30999: counts.
Seq 1 Failed: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetEVENT: 19:25:58 : CAS 27-0-12: E-Stop status
changed. State: 0

CR Guard - Motor servo disabled.Safety - stopping carriage move.
HWIF: z1 = 31001, z2 = 31000
Interlock: Gantry toggle state: 1, 0.
EVENT: 19:25:58 : CAS 27-0-14: Carriage safety switch status changed.
State: 1
Safety - moving carriage up to 51263.
EVENT: 19:25:58 : CAS 31-0-25: Seq 1 failed. Last state: 0.
UI Machine State changed from 16 to 0.
UI Machine State changed from 0 to 16.
Printer Error: 102.
Interlock: Gantry toggle state: 1, 0.
STEPPER: Set stepper target to 30999: counts.
Seq 1 Failed: Gantry toggle state: 1, 0.
Estop/CR Guard/Door ResetCR Guard - Motor servo disabled.EVENT: 19:26:13
: CAS 27-0-12: E-Stop status changed. State: 0
Interlock: Gantry toggle state: 1, 0.
Safe