

File Information – Raw Data

Local name: AJ4CO DPS–XTFD
 Input file: R:\Observation Records\AJ4CO_DPS–XTFD\1305\130503\130503085000.sps
 RSS version: 2.2.14
 Chart start: 03–May–2013 08:50:00.053 UTC
 Chart end: 03–May–2013 08:52:00.018 UTC

Local name: AJ4CO DPS–XTFD
 Chart location: Florida
 Latitude: (N) +29.000000 degrees
 Longitude: (E) +82.000000 degrees
 Time zone: UTC+0
 Observer: Typinski

Data source: < not specified >
 Data duration: 119.965 s
 Sweep start: 32.920 MHz
 Sweep end: 17.000 MHz
 Sweeps: 1145
 Sweep rate: 9.544 Hz
 Channels: 200
 Channel separation: 79.602 kHz
 Channel dwell time: 524 μs

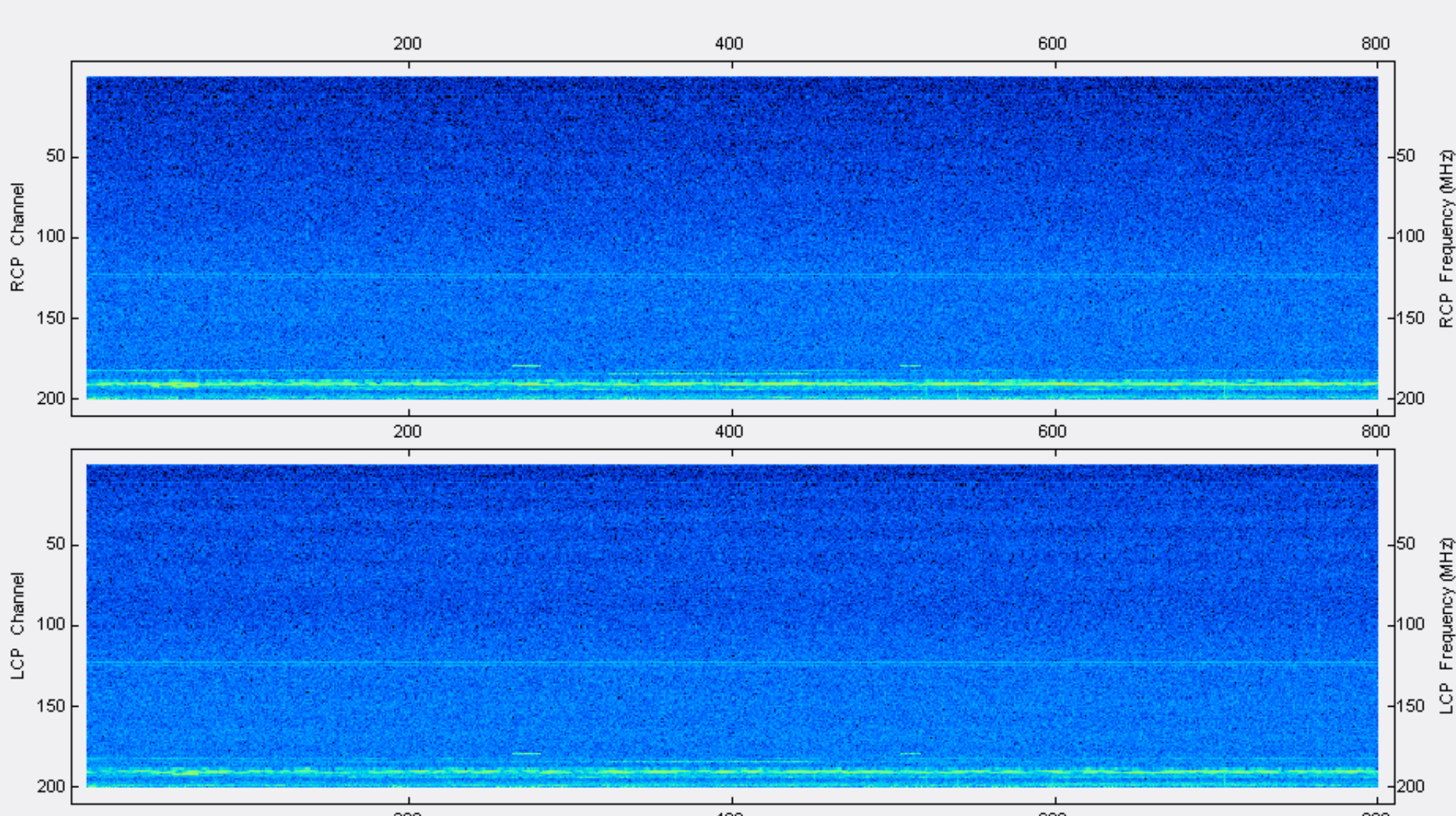
RCP ADC range (raw): 1269 mV min to 3300 mV max
 LCP ADC range (raw): 1214 mV min to 3224 mV max

Data note length: 75
 Data note: «[+SWEEPS1145yLOWF1700000yHIF3300000ySTEPS200yDUALSPECFILETrueyRCVRy=]»

Correction array: R:\Observation Records\AJ4CO_DPS–XTFD\1305\130503\130503085000_Correction_Array.csv

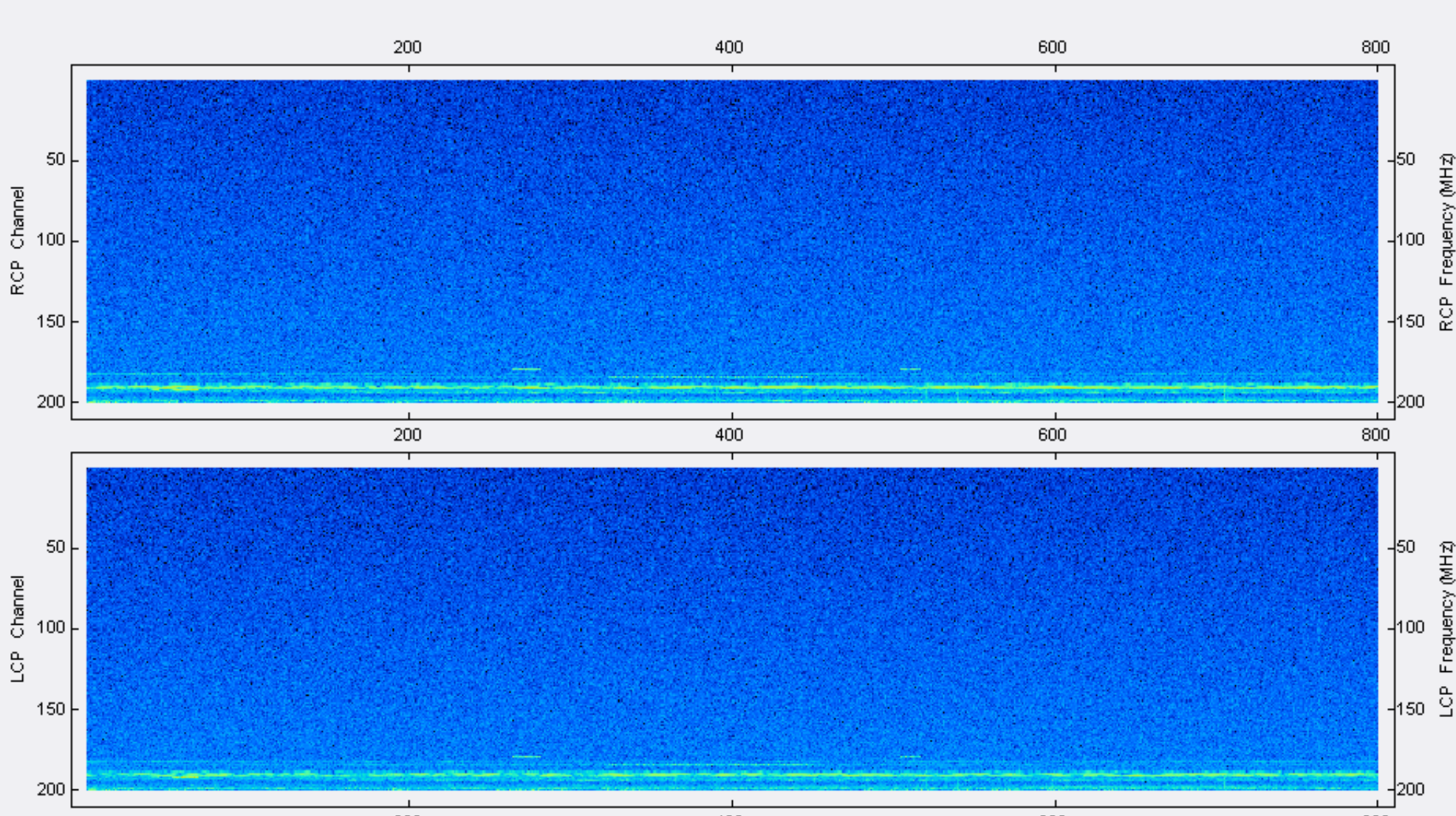
Spectrograms – Decimated

Color file: C:\Program Files\Spectrograph\AJ4CO–Rainbow.txt
 Color offset: 1500
 Color gain: 1.2
 Data: 1145 sweeps
 Decimated to: 800 sweeps (decimation factor 1.431)
 Decimation method: Mean (arithmetic average)
 RCP ADC range (decimated): 1286 mV min to 3153 mV max
 LCP ADC range (decimated): 1214 mV min to 3198 mV max



Spectrograms – Decimated – Correction Arrays Applied

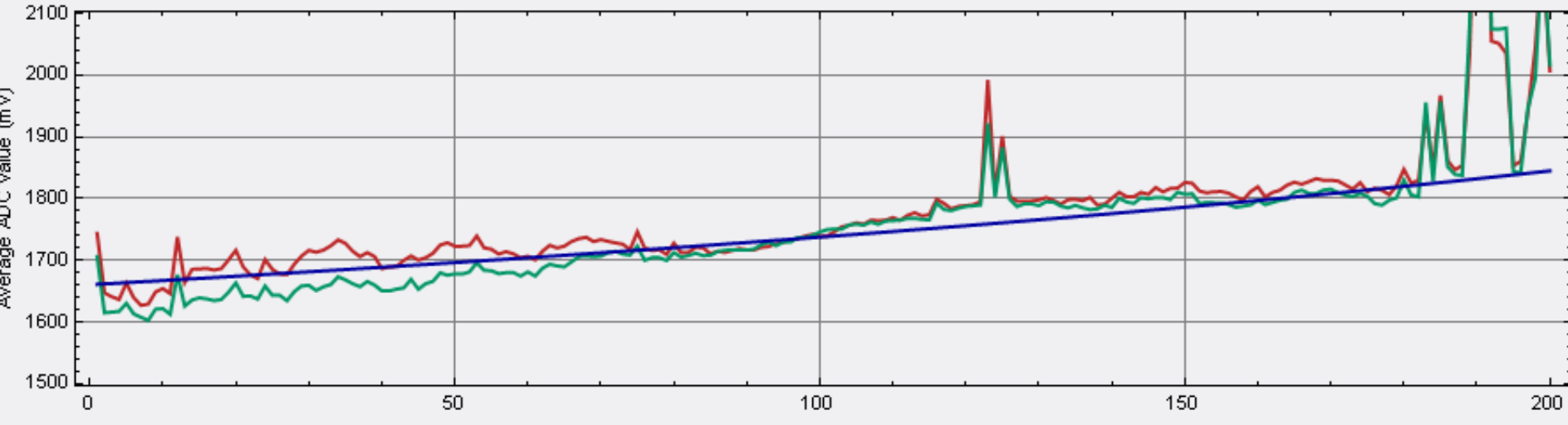
Color file: C:\Program Files\Spectrograph\AJ4CO–Rainbow.txt
 Color offset: 1500
 Color gain: 1.2
 Data: 1145 sweeps
 Decimated to: 800 sweeps (decimation factor 1.431)
 Decimation method: Mean (arithmetic average)
 RCP ADC range (decimated): 1342 mV min to 3153 mV max
 LCP ADC range (decimated): 1197 mV min to 3198 mV max



Continua – Decimated

RCP & LCP Continua – average of 800 sweeps decimated from 1145 sweeps (120 seconds in original data)

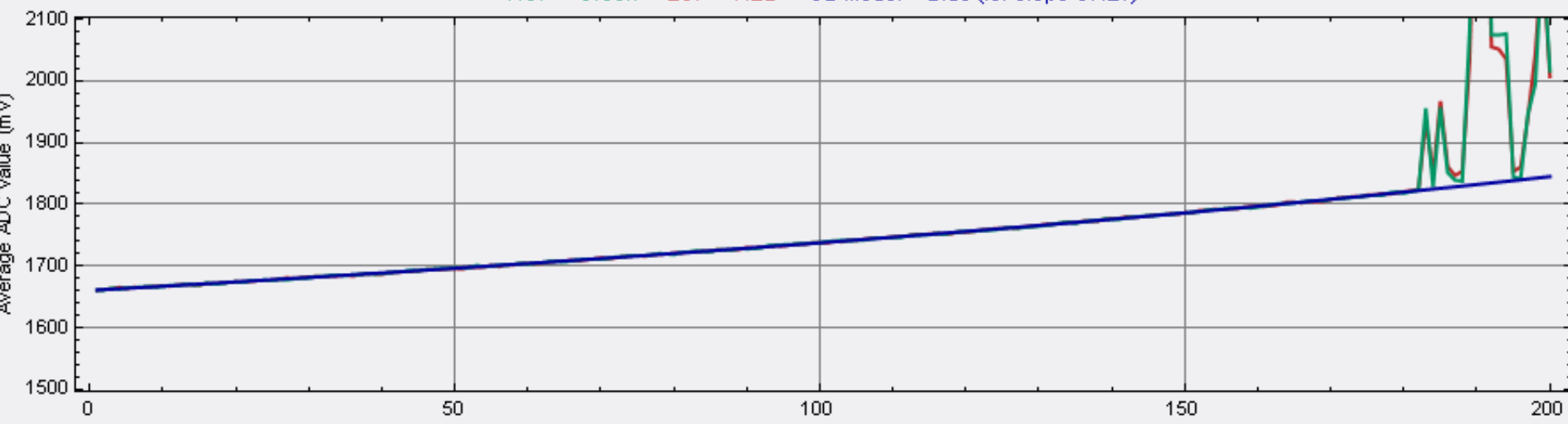
RCP = Green LCP = RED GB Model = Blue (for slope ONLY)



Continua – Decimated – Correction Array Applied

RCP & LCP Continua – average of 800 sweeps decimated from 1145 sweeps (120 seconds in original data)

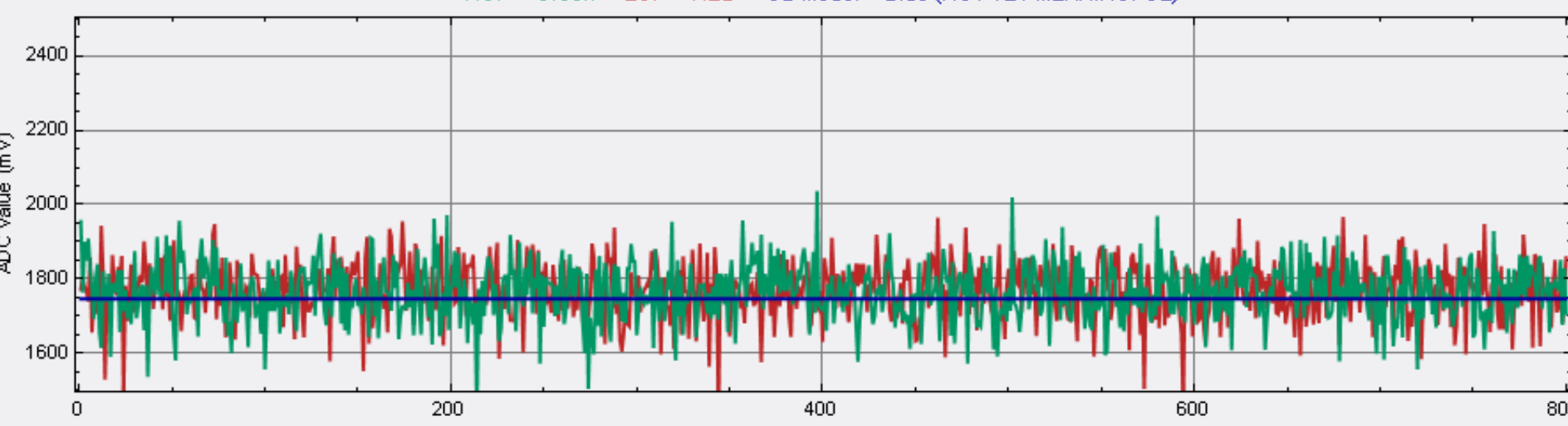
RCP = Green LCP = RED GB Model = Blue (for slope ONLY)



Strip Chart – Decimated

RCP & LCP Strip Chart – 800 sweeps decimated from 1145 sweeps – Channel 110

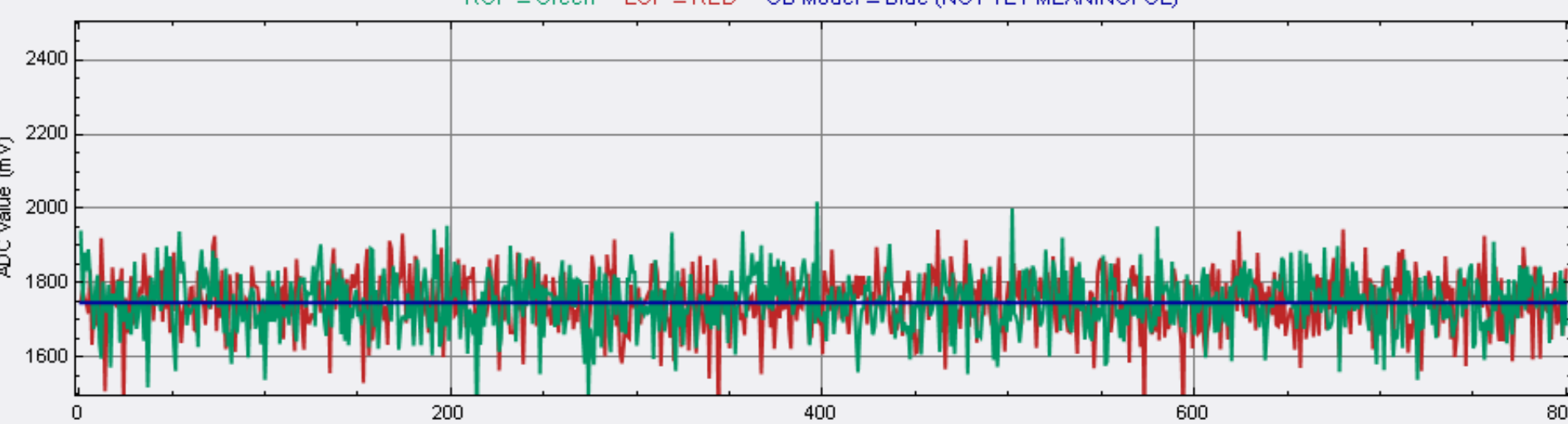
RCP = Green LCP = RED GB Model = Blue (NOT YET MEANINGFUL)



Strip Chart – Decimated – Correction Array Applied

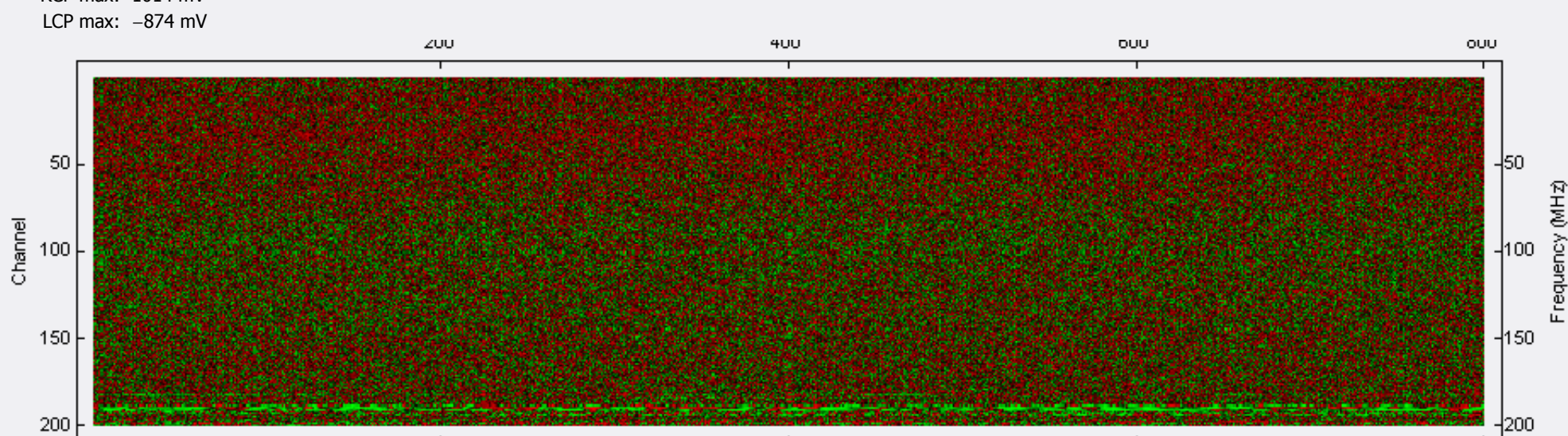
RCP & LCP Strip Chart – 800 sweeps decimated from 1145 sweeps – Channel 110

RCP = Green LCP = RED GB Model = Blue (NOT YET MEANINGFUL)



Cross Polarization Spectrogram – Decimated

Color file: C:\Program Files\Spectrograph\CrossPolarization.txt
 Color offset: –2048
 Color gain: 3.0
 Data: 1145 sweeps
 Decimated to: 800 sweeps (decimation factor 1.431)
 Decimation method: Mean (arithmetic average)
 RCP max: 1014 mV
 LCP max: –874 mV



Cross Polarization Spectrogram – Decimated – Correction Array Applied

Color file: C:\Program Files\Spectrograph\CrossPolarization.txt
 Color offset: –2048
 Color gain: 3.0
 Data: 1145 sweeps
 Decimated to: 800 sweeps (decimation factor 1.431)
 Decimation method: Mean (arithmetic average)
 RCP max: 1014 mV
 LCP max: –874 mV

