

File Information – Raw Data

Local name: AJ4CO DPS–XTFD

Input file: R:\Observation Records\AJ4CO_DPS–XTFD\1305\130522\130522125700A.sps

RSS version: 2.2.14

Chart start: 22-May-2013 12:57:00.045 UTC

Chart end: 22-May-2013 13:07:00.077 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: 600.032 s

Sweep start: 32.920 MHz

Sweep end: 17.000 MHz

Sweeps: 5723

Sweep rate: 9.538 Hz

Channels: 200

Channel separation: 79.602 kHz

Channel dwell time: 524 μs

RCP ADC range (raw): 1191 mV min to 4095 mV max

LCP ADC range (raw): 1219 mV min to 4095 mV max

Data note length: 75

Data note: «[[±SWEEPS5723yLOWF17000000yHIF33000000ySTEPS200yDUALSPECFILETrueyRCVRy±]]»

Correction array: R:\Observation Records\AJ4CO_DPS–XTFD\1305\130522\130522_Correction_Array.csv

Spectrograms – Decimated

Color file: C:\Program Files\Spectrograph\AJ4CO–Rainbow.txt

Color offset: 1500

Color gain: 1.2

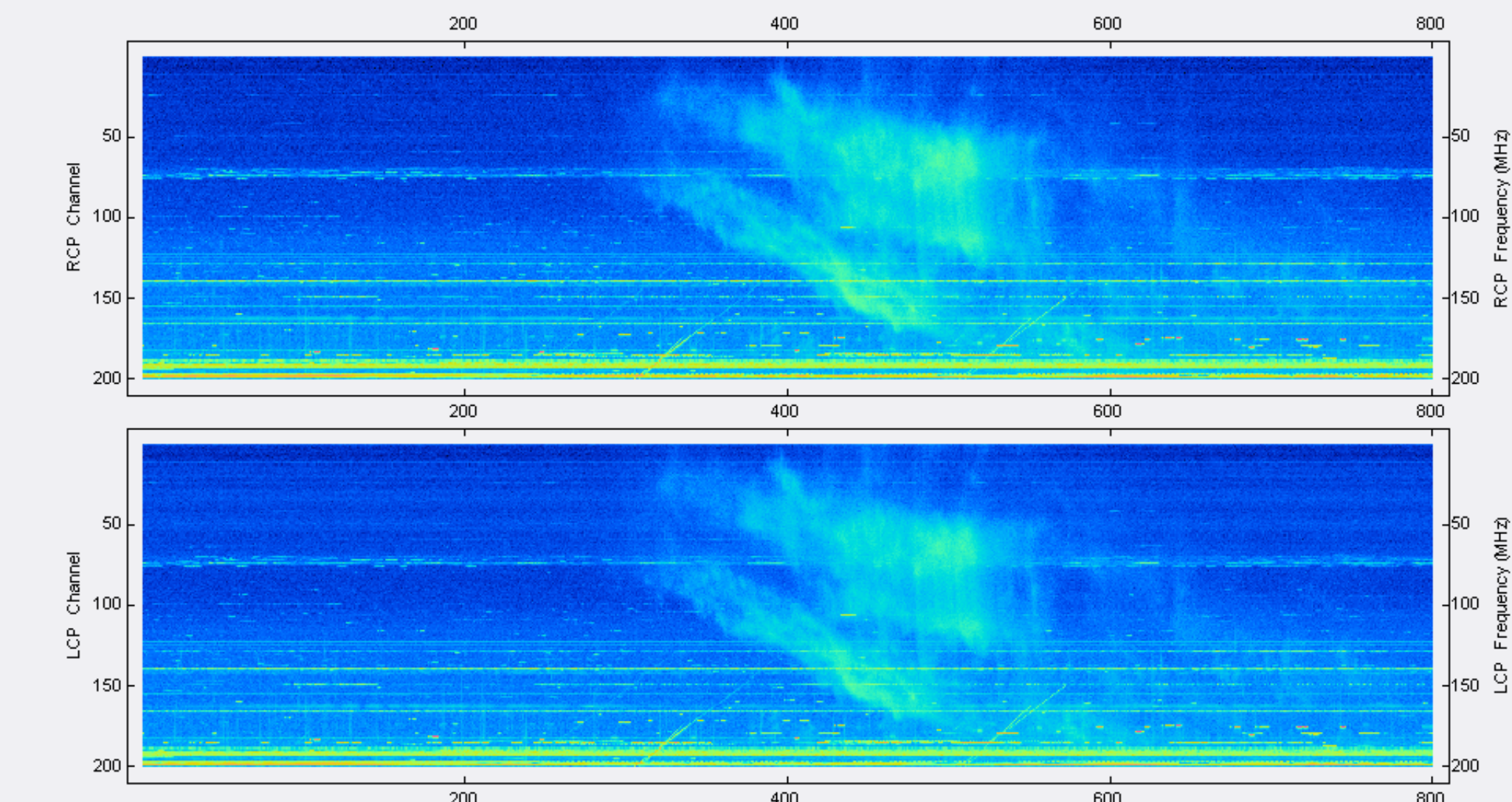
Data: 5723 sweeps

Decimated to: 800 sweeps (decimation factor 7.154)

Decimation method: Mean (arithmetic average)

RCP ADC range (decimated): 1482 mV min to 4095 mV max

LCP ADC range (decimated): 1510 mV min to 4091 mV max



Spectrograms – Decimated – Correction Arrays Applied

Color file: C:\Program Files\Spectrograph\AJ4CO–Rainbow.txt

Color offset: 1500

Color gain: 1.2

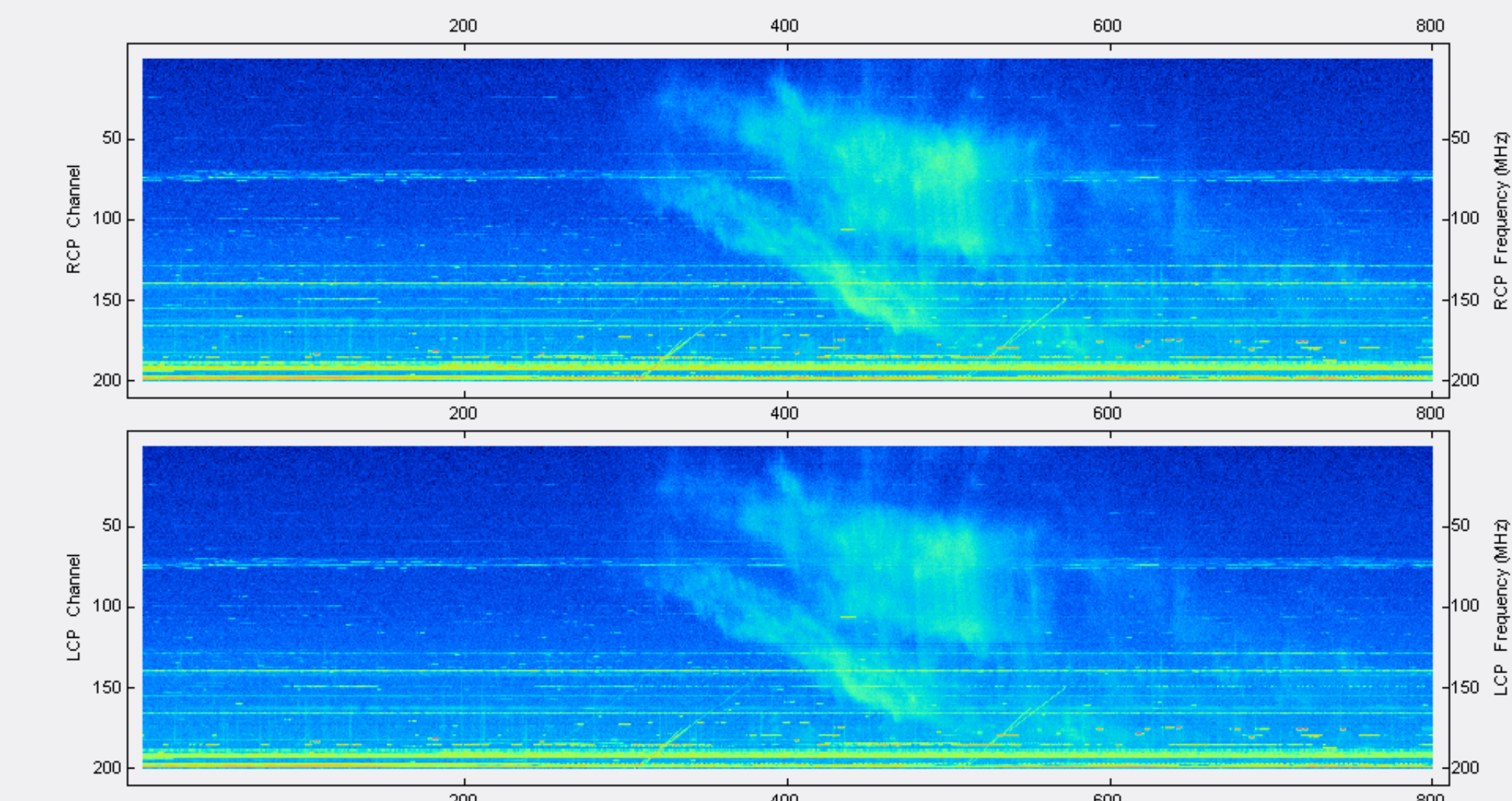
Data: 5723 sweeps

Decimated to: 800 sweeps (decimation factor 7.154)

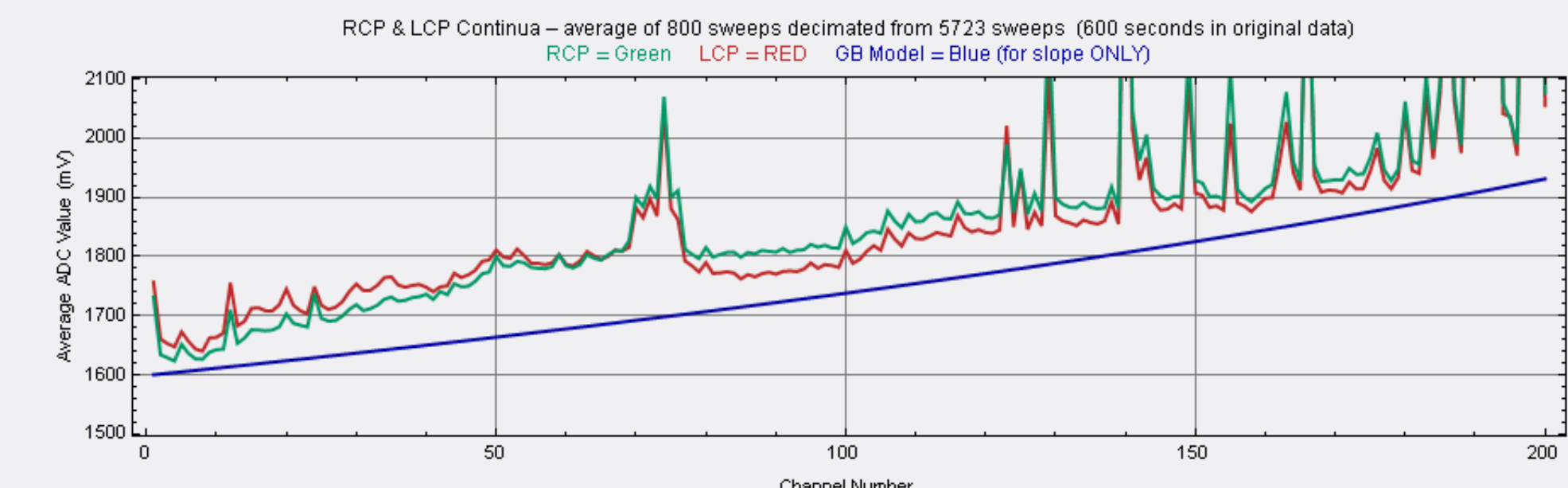
Decimation method: Mean (arithmetic average)

RCP ADC range (decimated): 1494 mV min to 4139 mV max

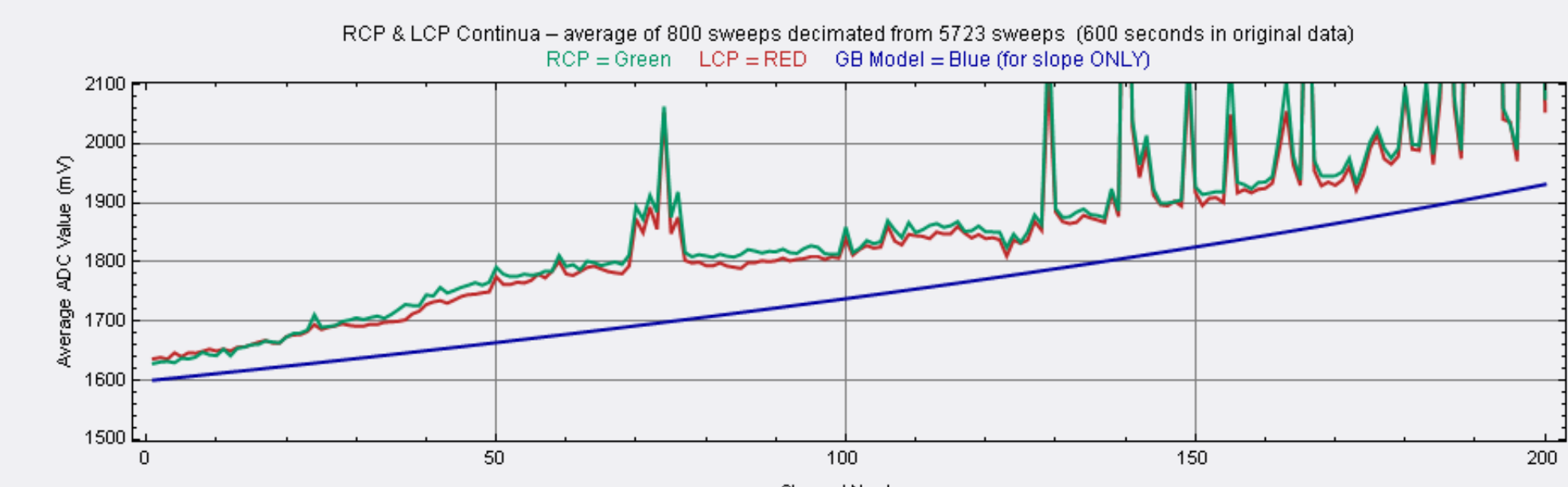
LCP ADC range (decimated): 1494 mV min to 4136 mV max



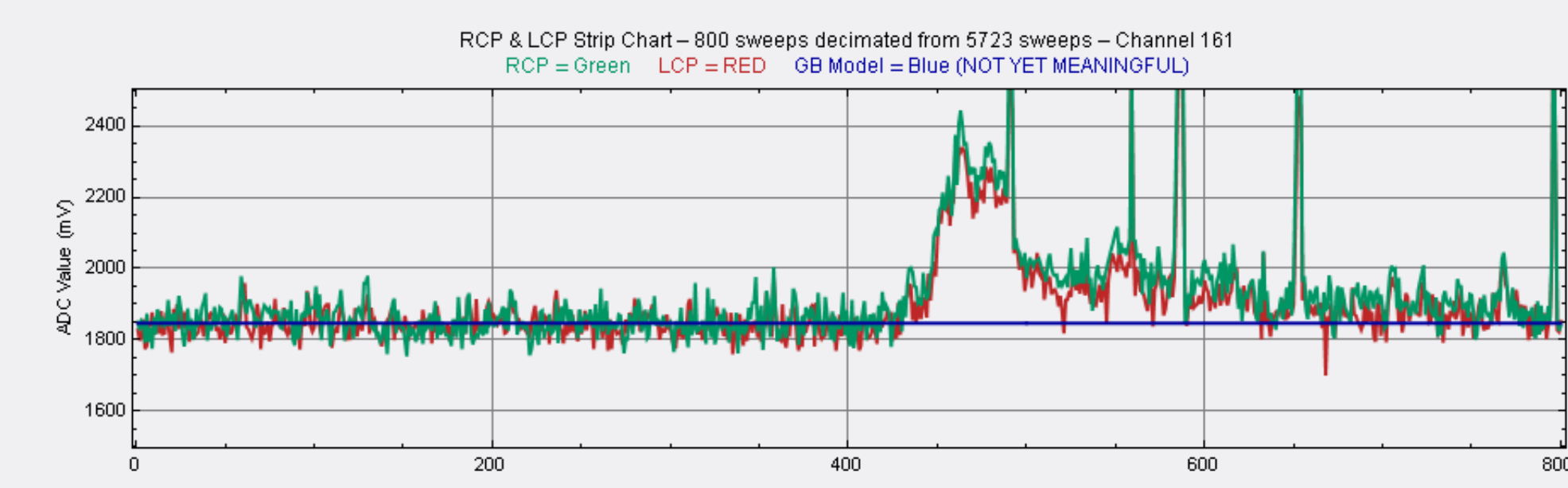
Continua – Decimated



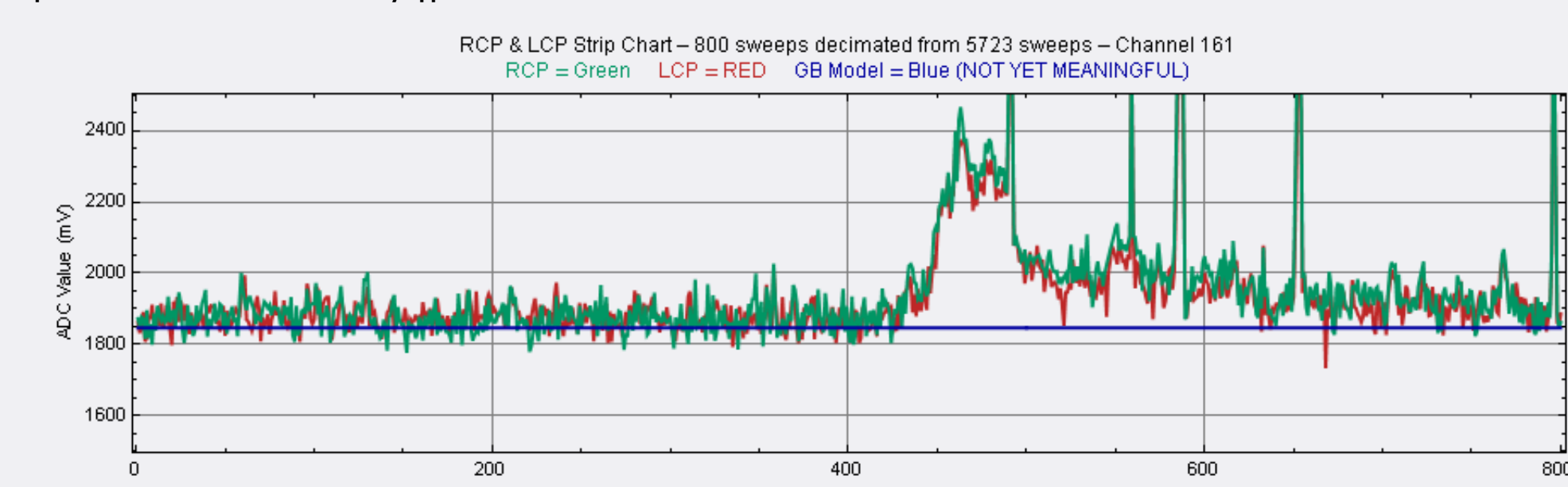
Continua – Decimated – Correction Array Applied



Strip Chart – Decimated



Strip Chart – Decimated – Correction Array Applied



Cross Polarization Spectrogram – Decimated

Color file: C:\Program Files\Spectrograph\CrossPolarization.txt

Color offset: –2048

Color gain: 3.0

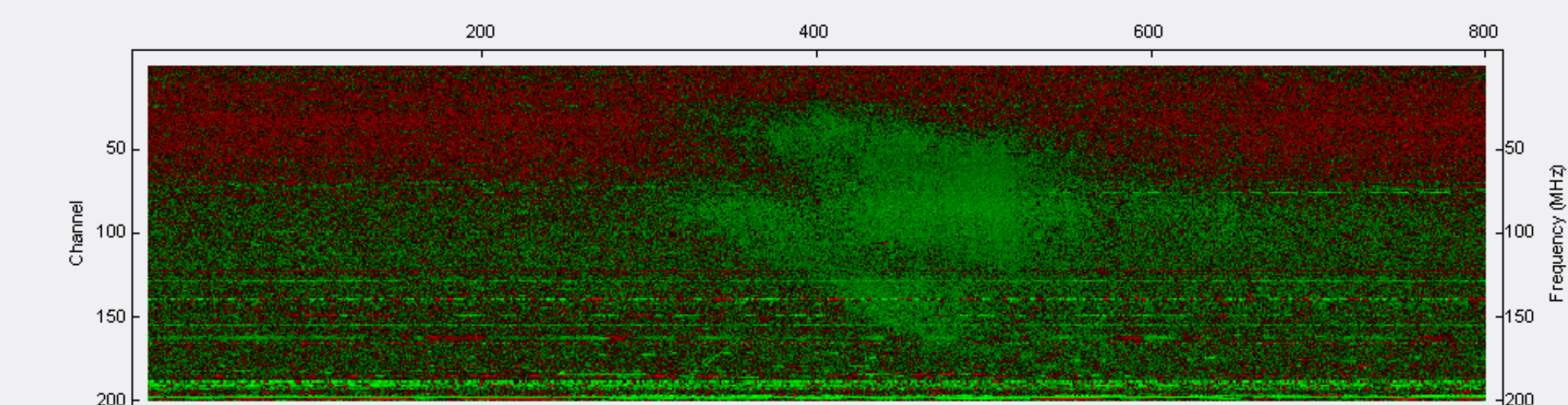
Data: 5723 sweeps

Decimated to: 800 sweeps (decimation factor 7.154)

Decimation method: Mean (arithmetic average)

RCP max: 976 mV

LCP max: –811 mV



Cross Polarization Spectrogram – Decimated – Correction Array Applied

Color file: C:\Program Files\Spectrograph\CrossPolarization.txt

Color offset: –2048

Color gain: 3.0

Data: 5723 sweeps

Decimated to: 800 sweeps (decimation factor 7.154)

Decimation method: Mean (arithmetic average)

RCP max: 976 mV

LCP max: –811 mV

