

File Information – Raw Data

Local name: AJ4CO DPS-XTFD

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

RSS version: 2.2.14

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

Chart end: 22-May-2013 13:37:00.070 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: 2400.025 s

Sweep start: 32.920 MHz

Sweep end: 17.000 MHz

Sweeps: 22888

Sweep rate: 9.537 Hz

Channels: 200

Channel separation: 79.602 kHz

Channel dwell time: 524 μ s

RCP ADC range (raw): 1185 mV min to 4095 mV max

LCP ADC range (raw): 1192 mV min to 4095 mV max

Data note length: 76

Data note: «[[«SWEEPS22888»LOWF17000000»HIF33000000»STEPS200»DUALSPECFILETrue»RCVR»]]»

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

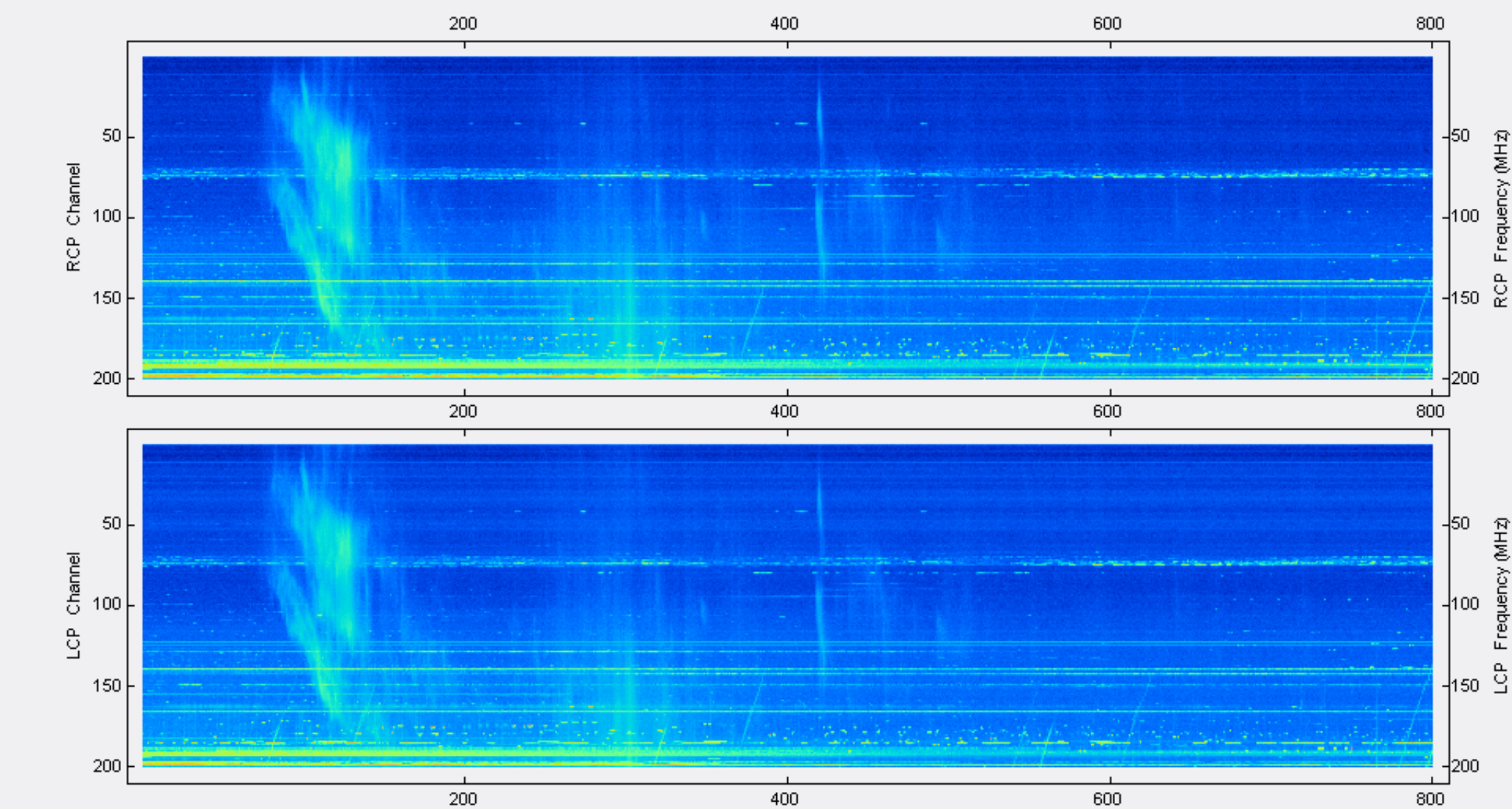
Data: 22888 sweeps

Decimated to: 800 sweeps (decimation factor 28.610)

Decimation method: Mean (arithmetic average)

RCP ADC range (decimated): 1551 mV min to 4009 mV max

LCP ADC range (decimated): 1567 mV min to 3994 mV max



Spectrograms – Decimated – Correction Arrays Applied

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

Color offset: 1500

Color gain: 1.2

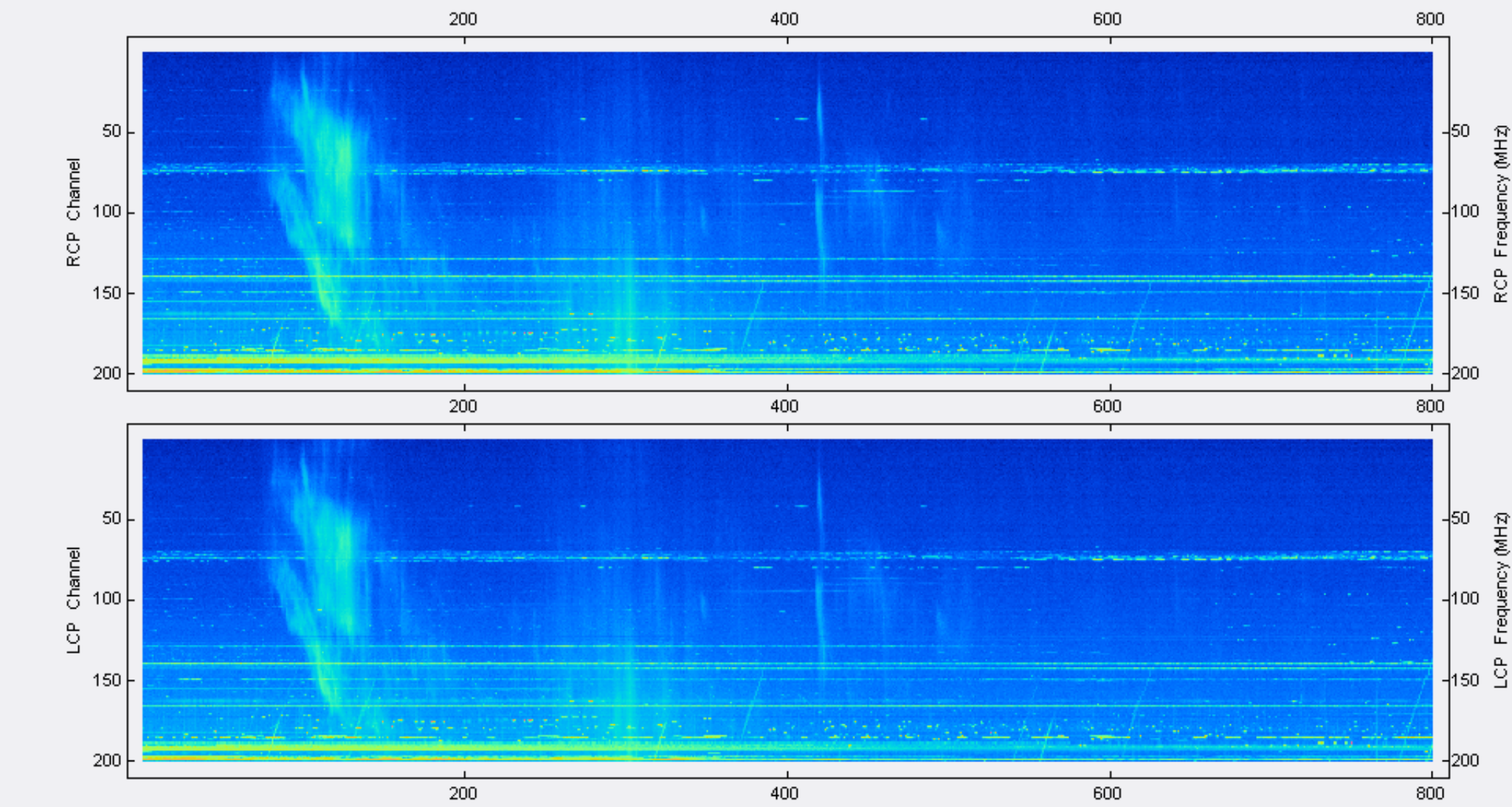
Data: 22888 sweeps

Decimated to: 800 sweeps (decimation factor 28.610)

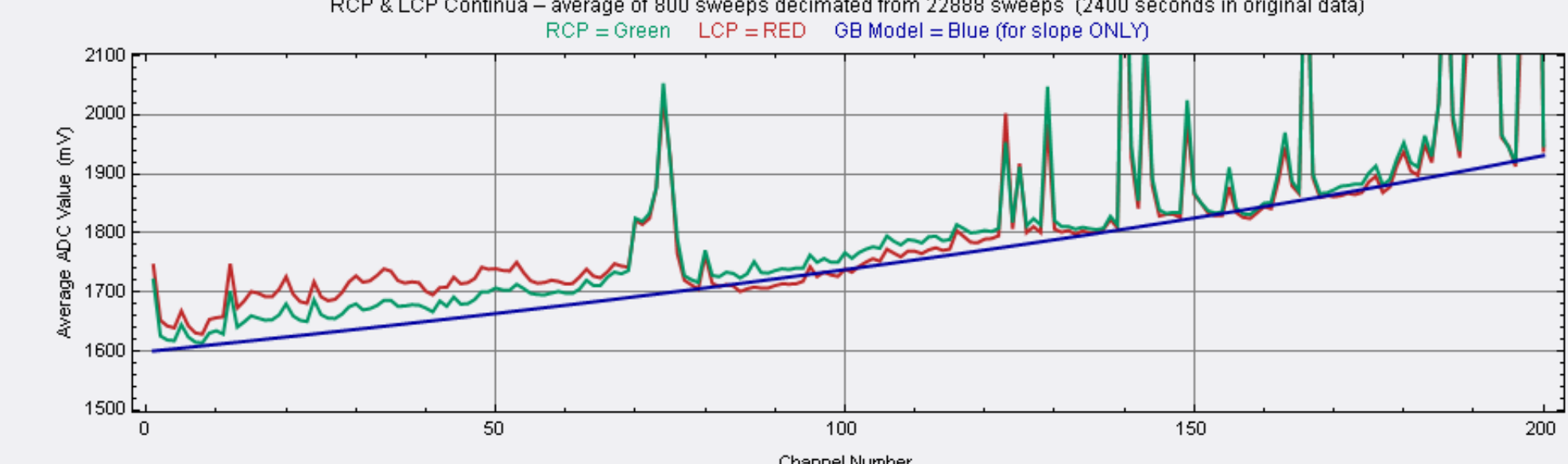
Decimation method: Mean (arithmetic average)

RCP ADC range (decimated): 1552 mV min to 4046 mV max

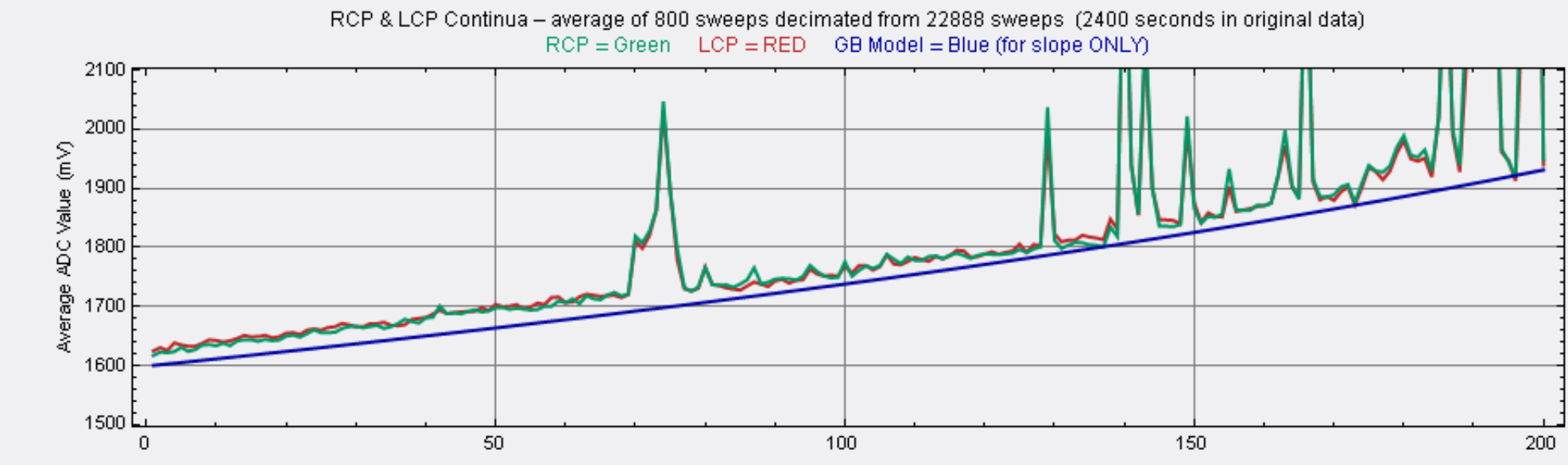
LCP ADC range (decimated): 1556 mV min to 3994 mV max



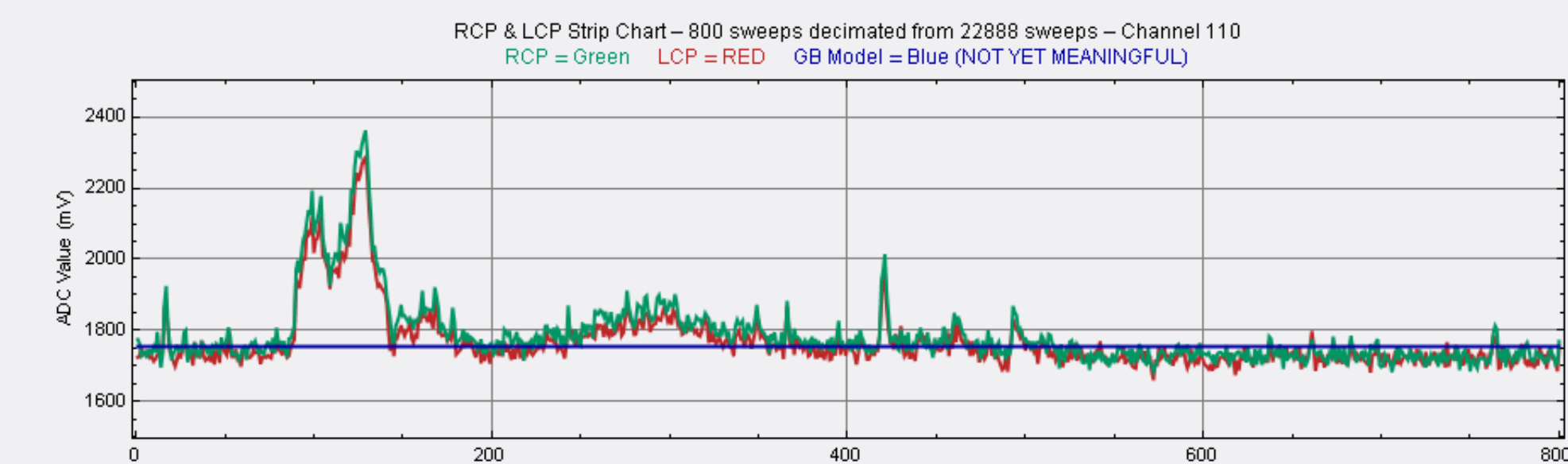
Continua – Decimated



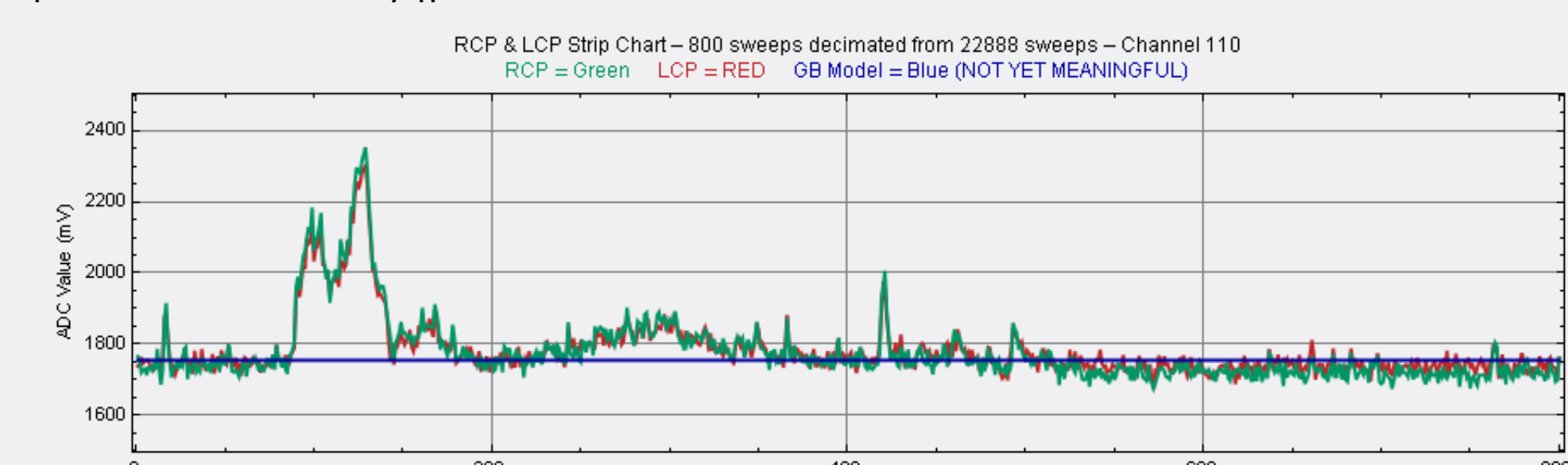
Continua – Decimated – Correction Array Applied



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

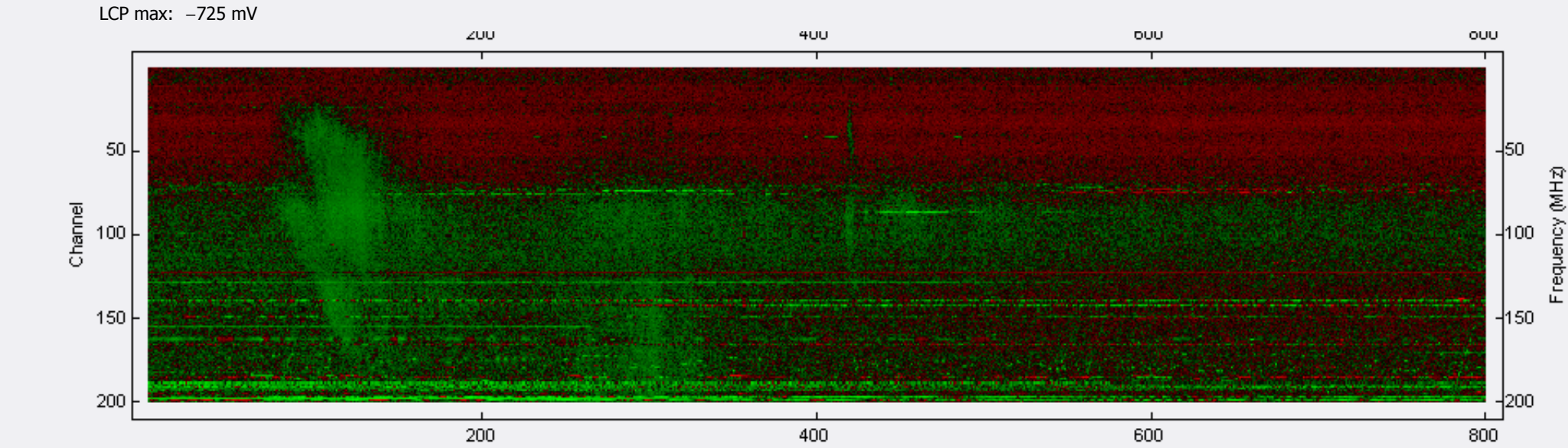
Data: 22888 sweeps

Decimated to: 800 sweeps (decimation factor 28.610)

Decimation method: Mean (arithmetic average)

RCP max: 750 mV

LCP max: -725 mV



Cross Polarization Spectrogram – Decimated – Correction Array Applied

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

Color offset: -2048

Color gain: 3.0

Data: 22888 sweeps

Decimated to: 800 sweeps (decimation factor 28.610)

Decimation method: Mean (arithmetic average)

RCP max: 750 mV

LCP max: -725 mV

