

# K4LED

## Georgia Amateur Radio Astronomy Observatory

**Observation Date:** 05-31-2018, 0:00:01 to 23:59:00 UTC

**Location:** Lat. 34.42322 N, Lon. -84.49413 W (Jasper, GA 30143)

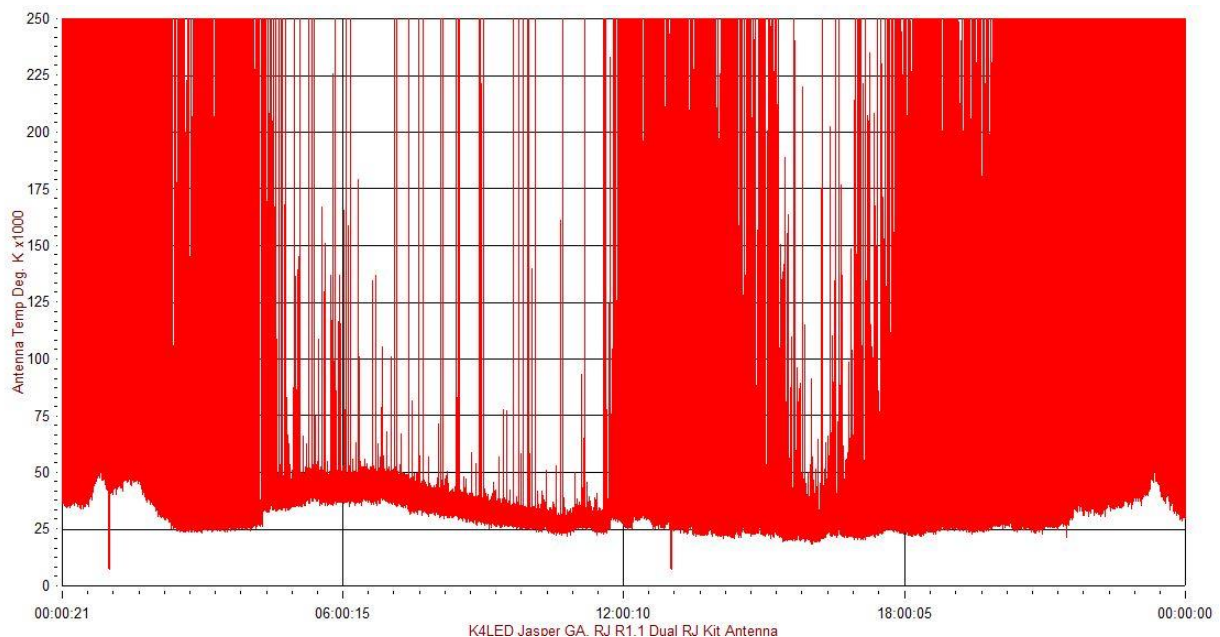
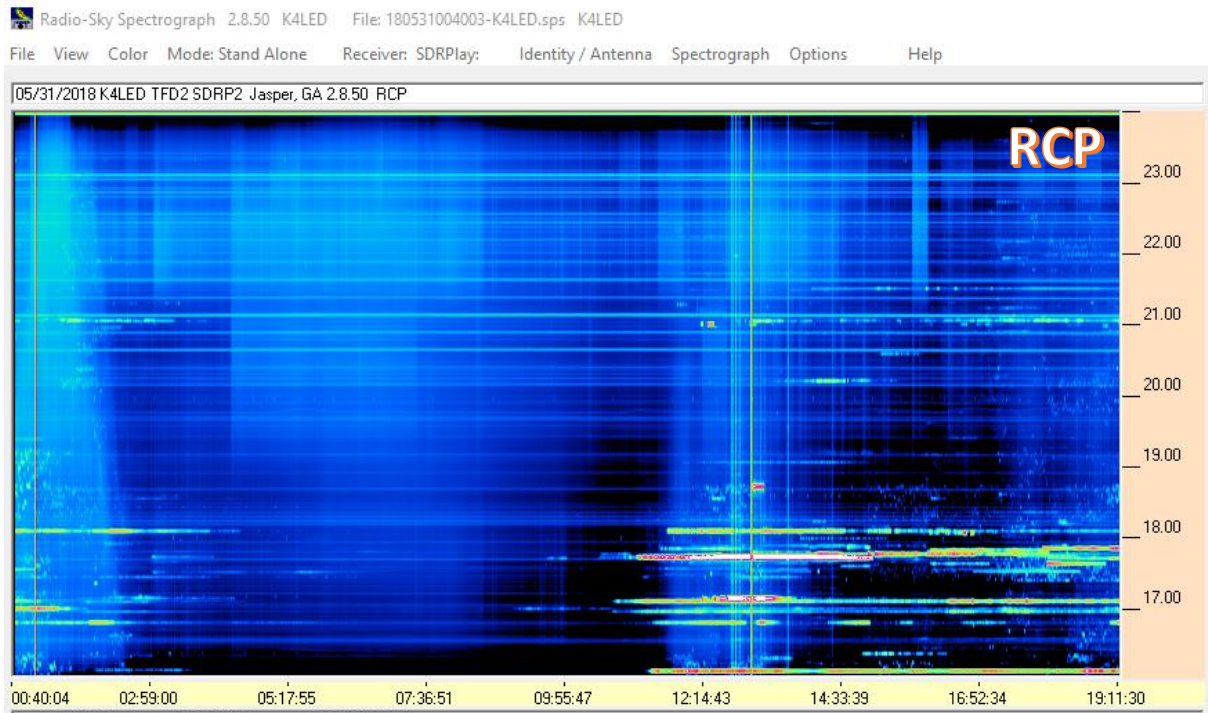
**Object:** TP, GB

**Observer:** Larry E. Dodd

**Receivers:** FSX11, SDRPlay2PRO, RJ1.1

**Software:** SkypipeII 2.7.34, Spectrograph 2.8.50

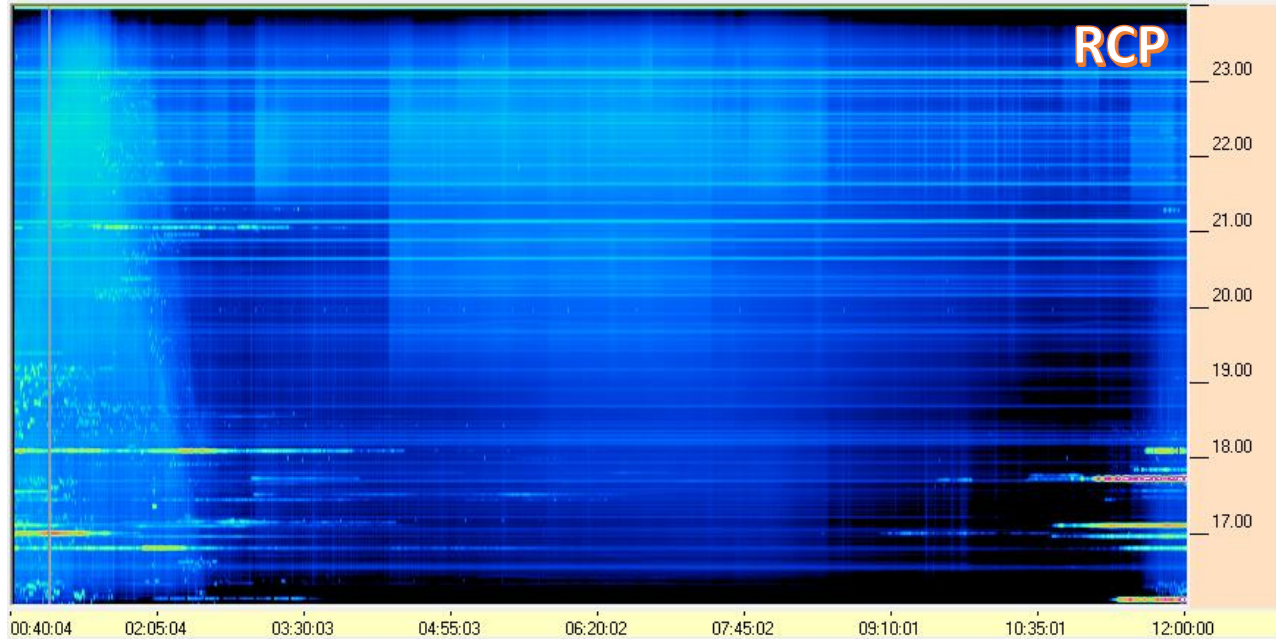
**Antennas:** Radio Jove Dual Dipole Kit, Typinski Square TFD



Radio-Sky Spectrograph 2.8.50 K4LED File: 180531004003-K4LED.sps K4LED

File View Color Mode: Stand Alone Receiver: SDRPlay: Identity / Antenna Spectrograph Options Help

05/31/2018 K4LED TFD2 SDRP2 Jasper, GA 2.8.50 RCP

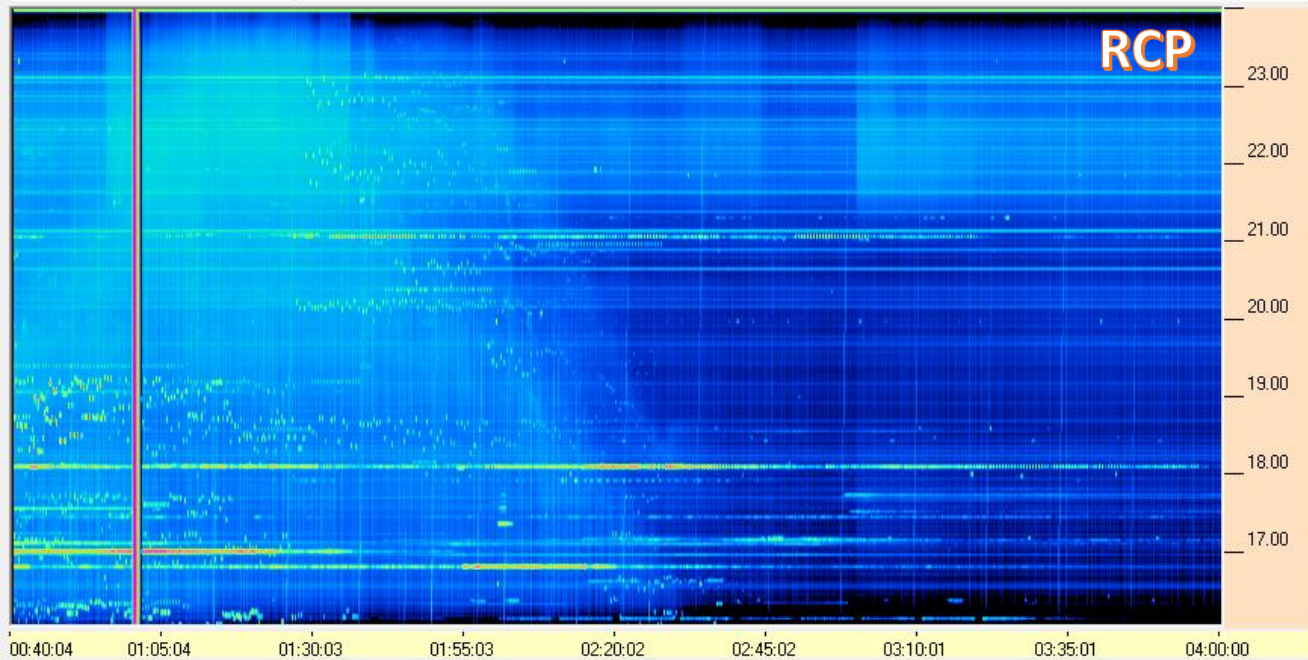


05/31/2018 K4LED TFD2 SDRP2 Jasper, GA 2.8.50 RCP

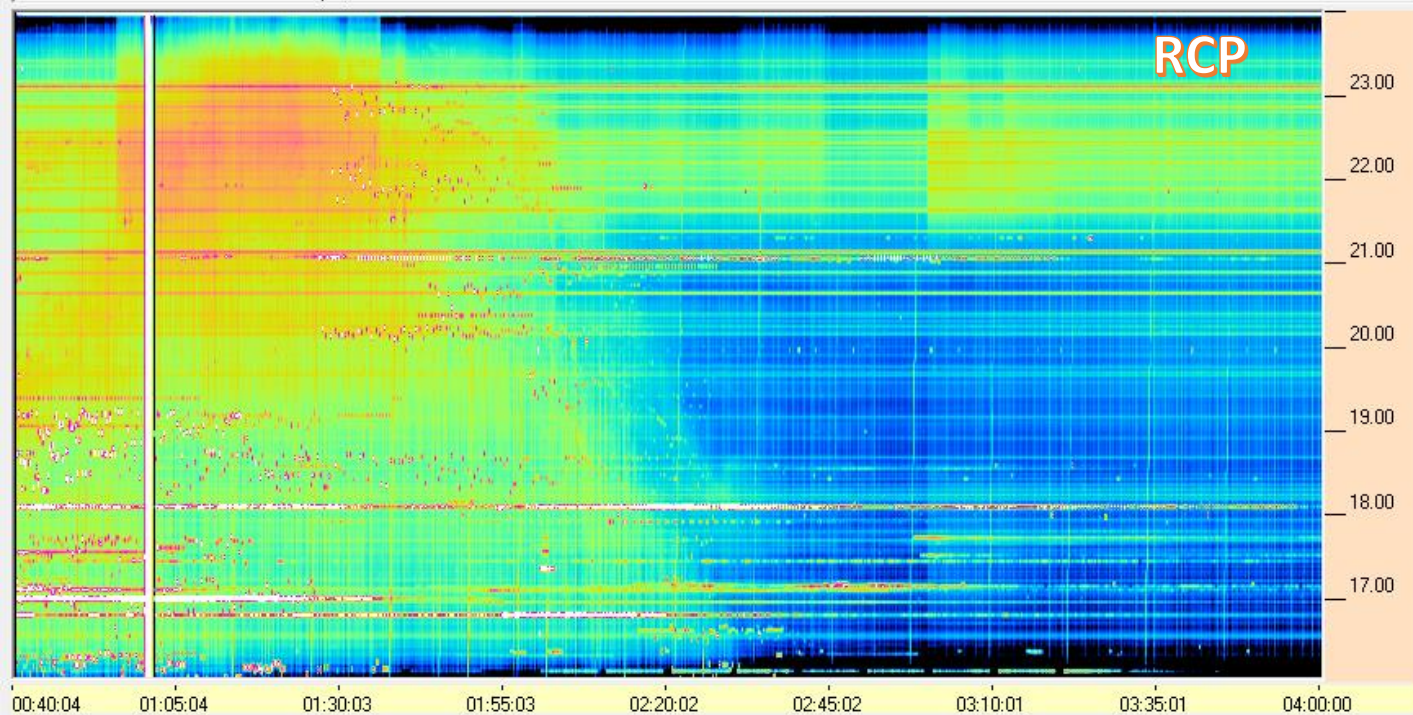
Radio-Sky Spectrograph 2.8.50 K4LED File: 180531004003-K4LED.sps K4LED

File View Color Mode: Stand Alone Receiver: SDRPlay: Identity / Antenna Spectrograph Options Help

05/31/2018 K4LED TFD2 SDRP2 Jasper, GA 2.8.50 RCP

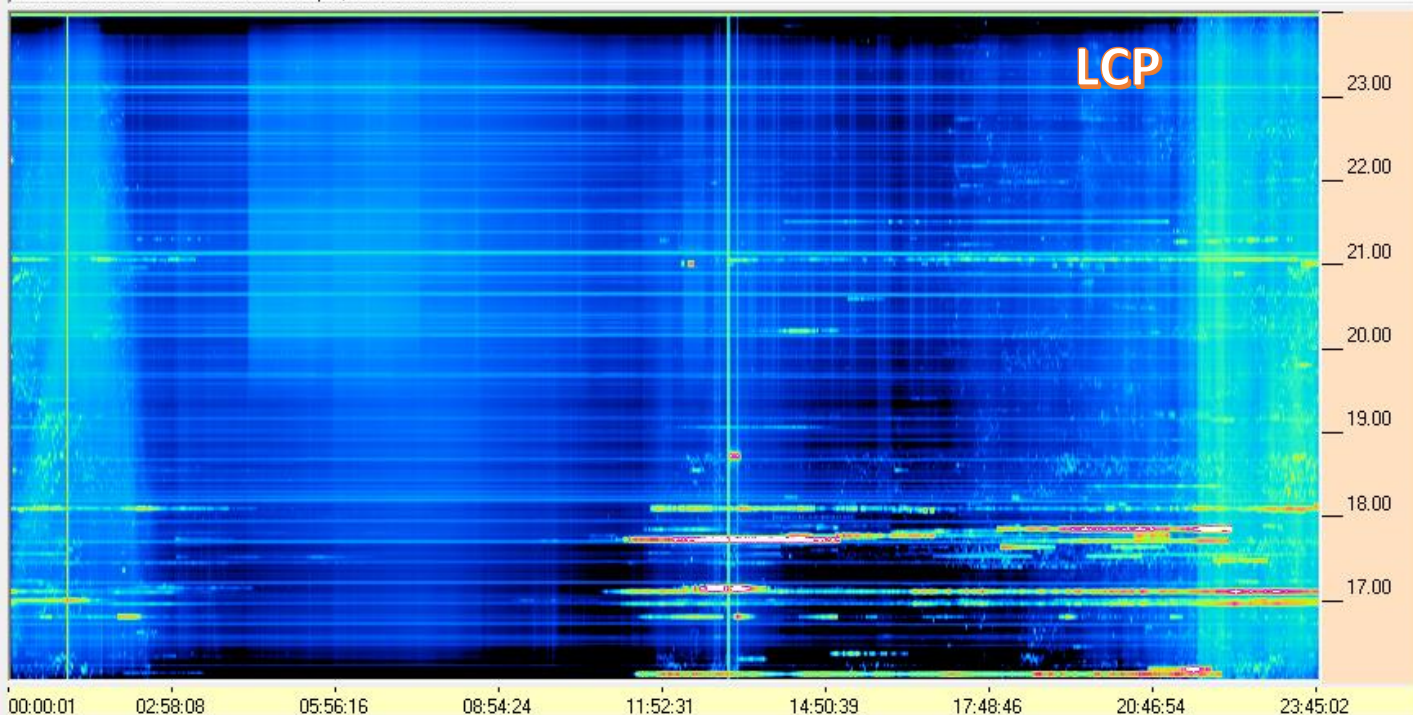


05/31/2018 K4LED TFD2 SDRP2 Jasper, GA 2.8.50 RCP



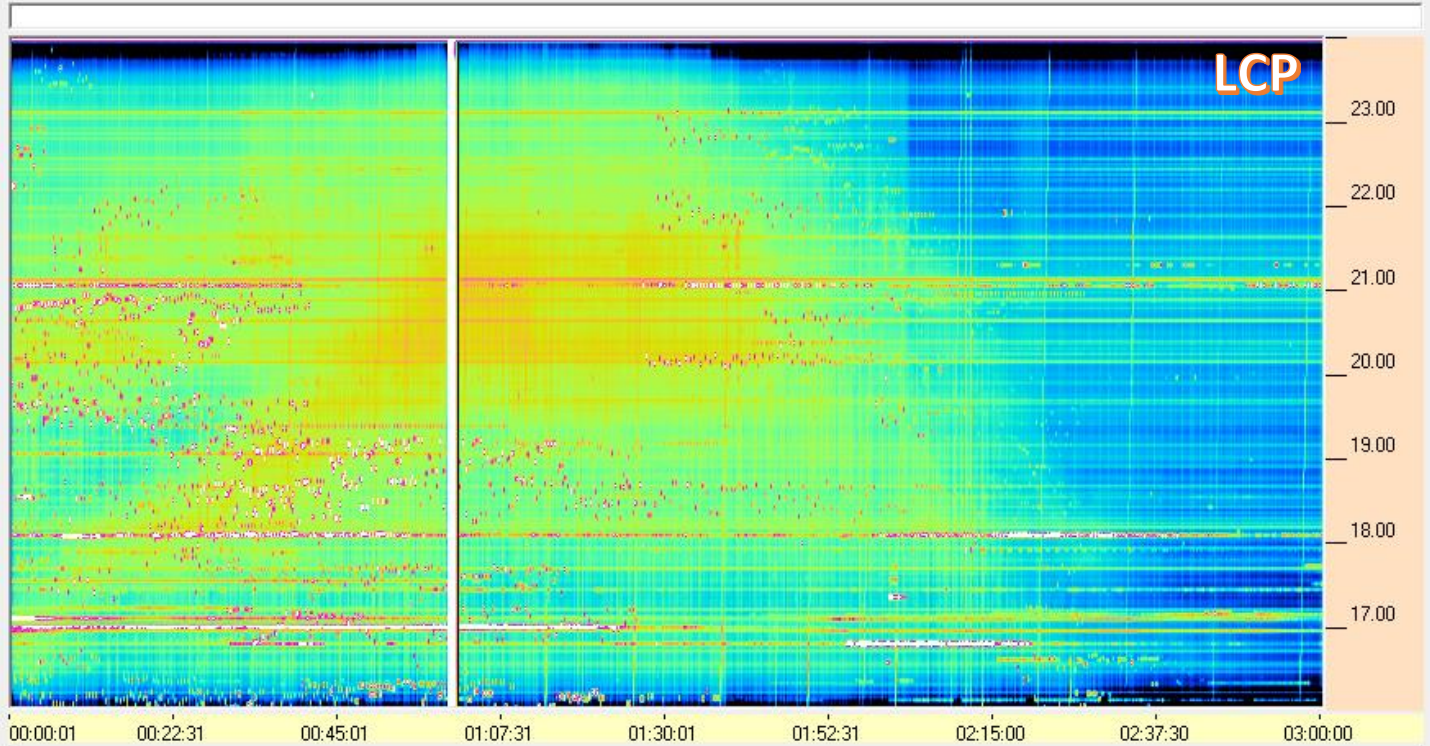
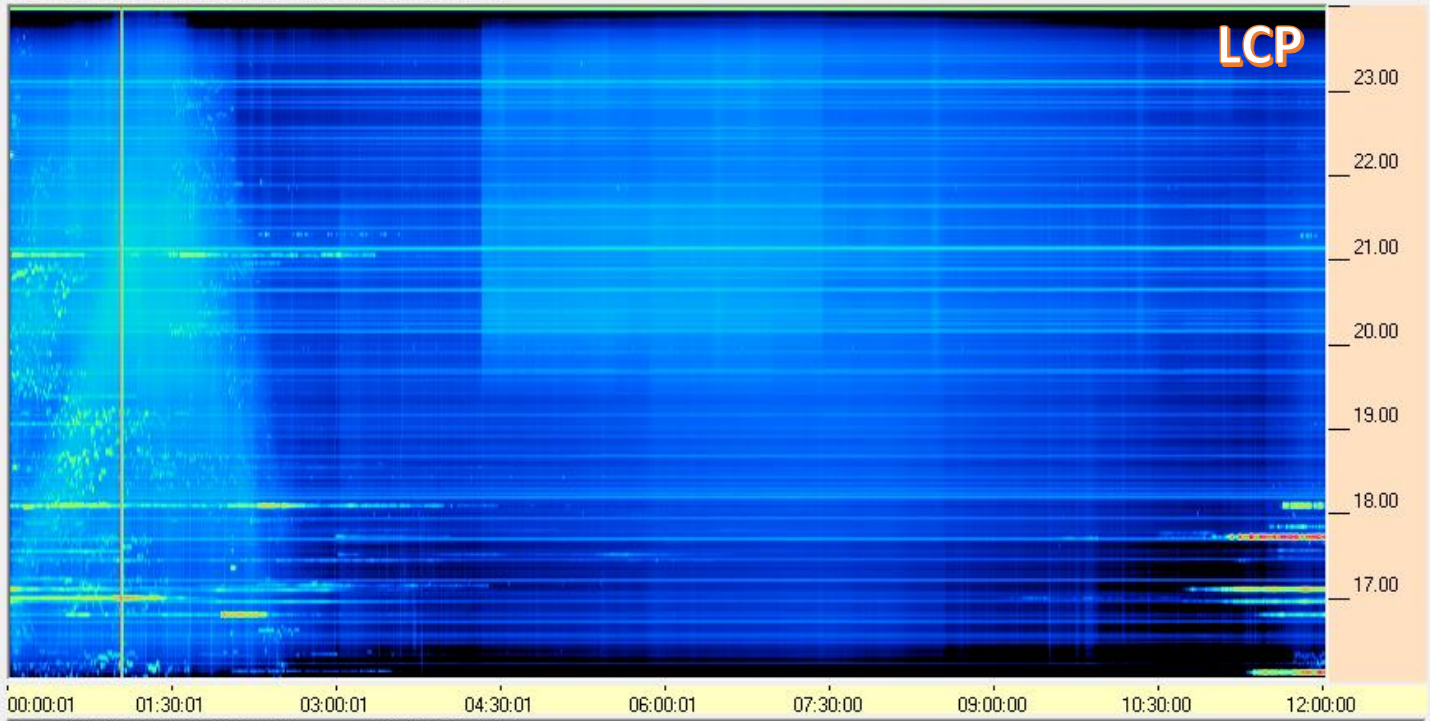
05/31/2018 K4LED TFD2 SDRP2 Jasper, GA 2.8.50 RCP

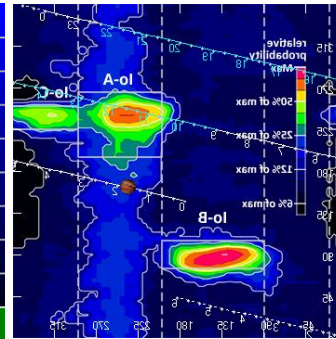
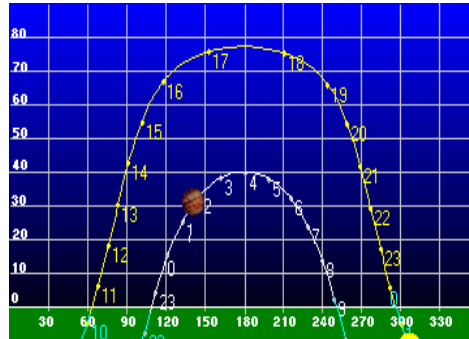
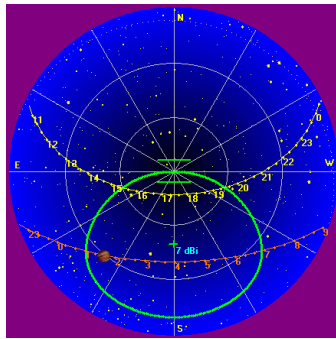
05/31/2018 K4LED TFD2 SDRP2 Jasper, GA 2.8.50 RCP LCP



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Radio-Jupiter Pro 3.8.2 (GMT)

File Options Display Tools Window Help

YYYY MM DD  
**Date** 2018 05 31 cal  
 HH MM SS  
**Time** 01 41 33 GMT  
 update  
 Using Fixed Time  
 Lat : 34:25:23.5  
 Long: 84:29:38.8 W

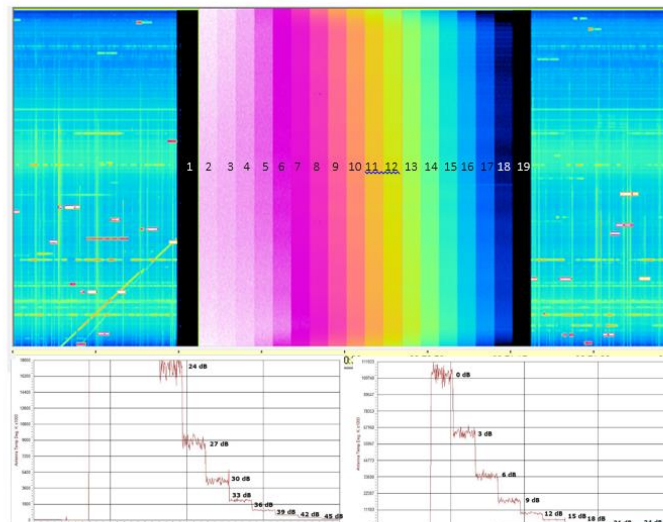
**Jupiter**

ALT: 30.6  
 AZ: 141.1  
 HA: -02:16  
 Rise: 22:42  
 Set: 09:15  
 RA: 14:54  
 DEC: -15:20  
 CMIII: 236.02  
 Io SGC: 162.72

**Sun**

ALT: -12.4  
 AZ: 307.4  
 HA: 08:14  
 Rise: 10:25  
 Set: 00:31  
 RA: 04:24  
 DEC: 21:36  
 LMST: 12:37:38

AUTOMATED CALIBRATION COLOR BAR TEST PATTERN AND DATA  
ACTUAL MEASURED DATA



| STEP | TEMPERATURE | ATTENUATION |
|------|-------------|-------------|
| 1    | >1 kK       | 101 dB      |
| 2    | 104.0 MK    | 0 dB        |
| 3    | 66.9 MK     | 3 dB        |
| 4    | 36.3 MK     | 6 dB        |
| 5    | 19.1 MK     | 9 dB        |
| 6    | 9.6 MK      | 12 dB       |
| 7    | 4.5 MK      | 15 dB       |
| 8    | 2.3 MK      | 18 dB       |
| 9    | 1.2 MK      | 21 dB       |
| 10   | 602.0 kK    | 24 dB       |
| 11   | 296.6 kK    | 27 dB       |
| 12   | 133.0 kK    | 30 dB       |
| 13   | 92.2 kK     | 33 dB       |
| 14   | 51.6 kK     | 36 dB       |
| 15   | 32.0 kK     | 39 dB       |
| 16   | 22.6 kK     | 42 dB       |
| 17   | 17.9 kK     | 45 dB       |
| 18   | 12.0 kK     | 48 dB       |
| 19   | >1 kK       | 101 dB      |