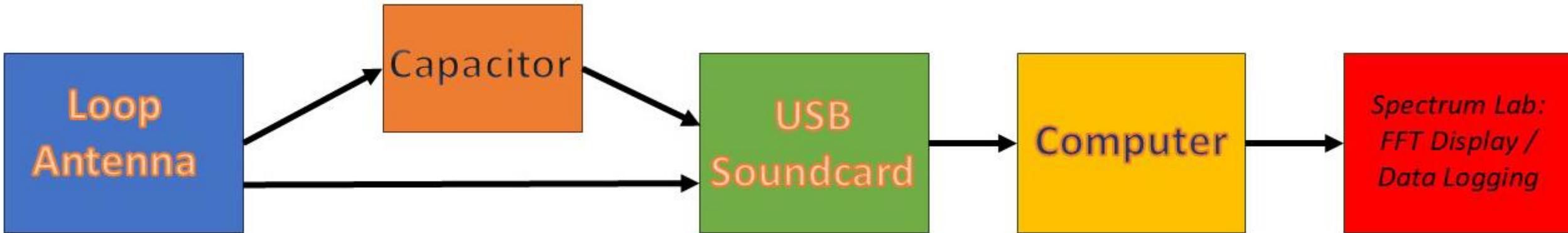
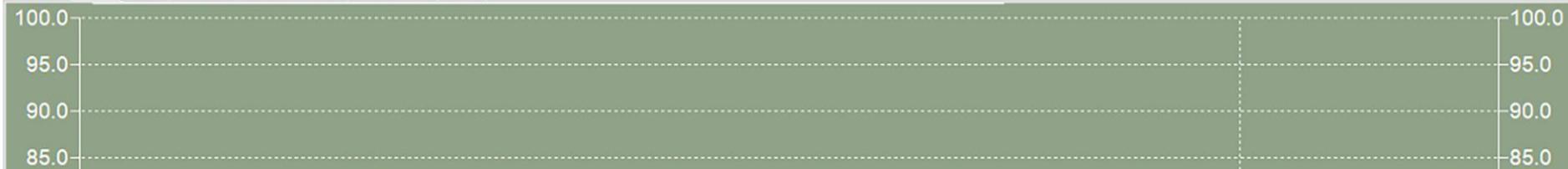


*Building Large VLF Antenna feeding  
directly into Soundcard without  
amplifier or filtering*

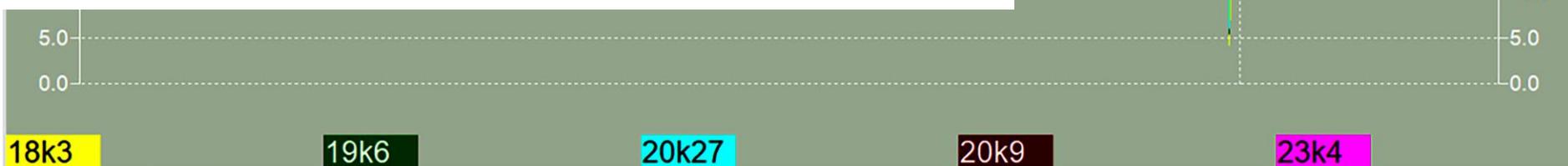






## SL Watch List and Plotter

Nr	Title	Expression	Result (Value)	Format	Scale Min	Scale Max
0	18k3	100000*avg(19525,19675)	7.7	0.0	0	100
1	19k6	1150000*avg(20220,20280)	26.9	0.0	0	100
2	20k27	2500000*avg(20825,20975)	37.8	0.0	0	100
3	20k9	250000*avg(22025,22175)	39.2	0.0	0	100
4	23k4	1600000*avg(22900,23600)	22.8	0.0	0	50
5	22k12	50000*avg(22007,22300)	6.0	0.0	0	100



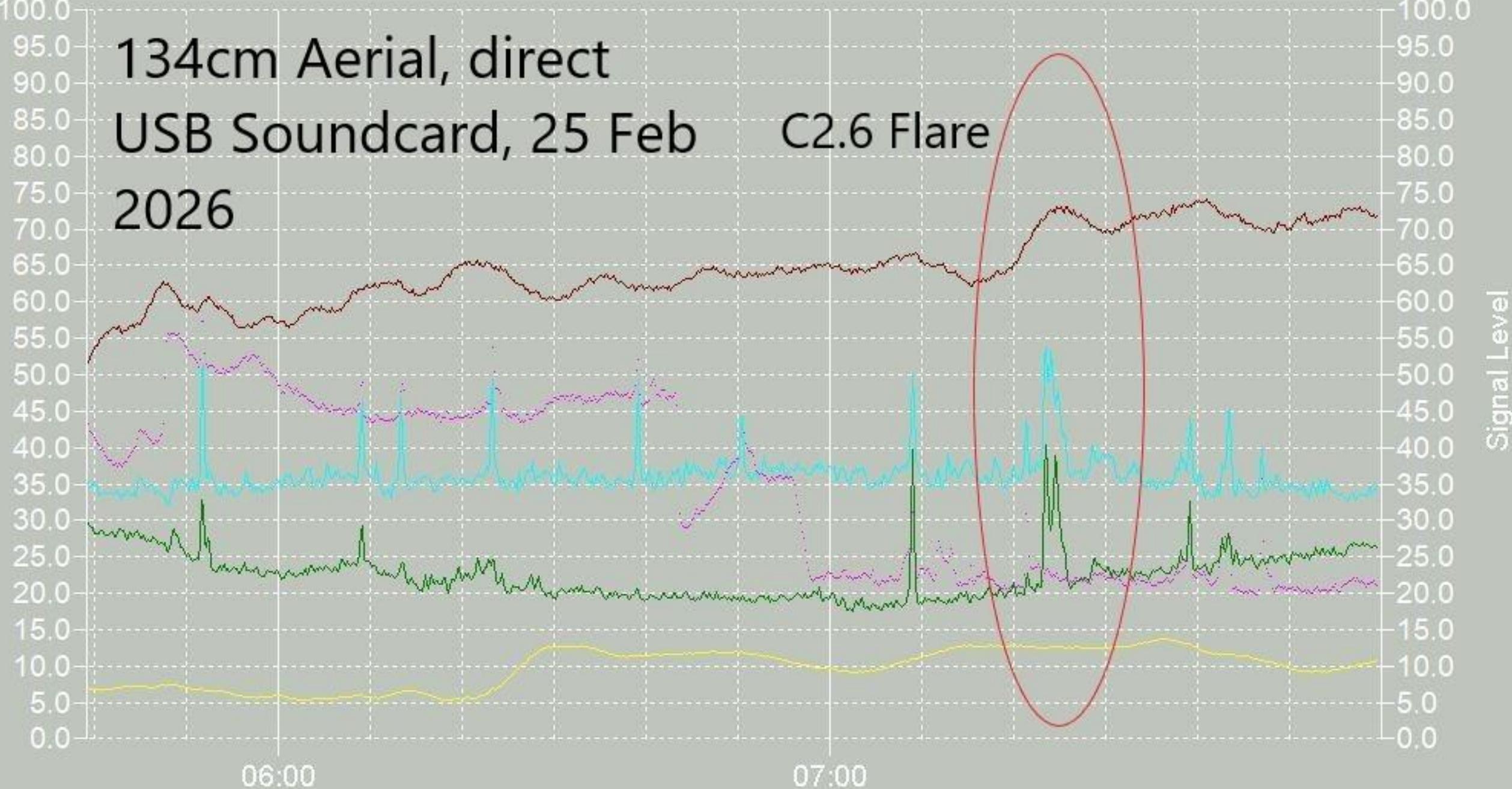
Right Axis: 98.6

134cm Aerial, direct

USB Soundcard, 25 Feb

C2.6 Flare

2026



18k3

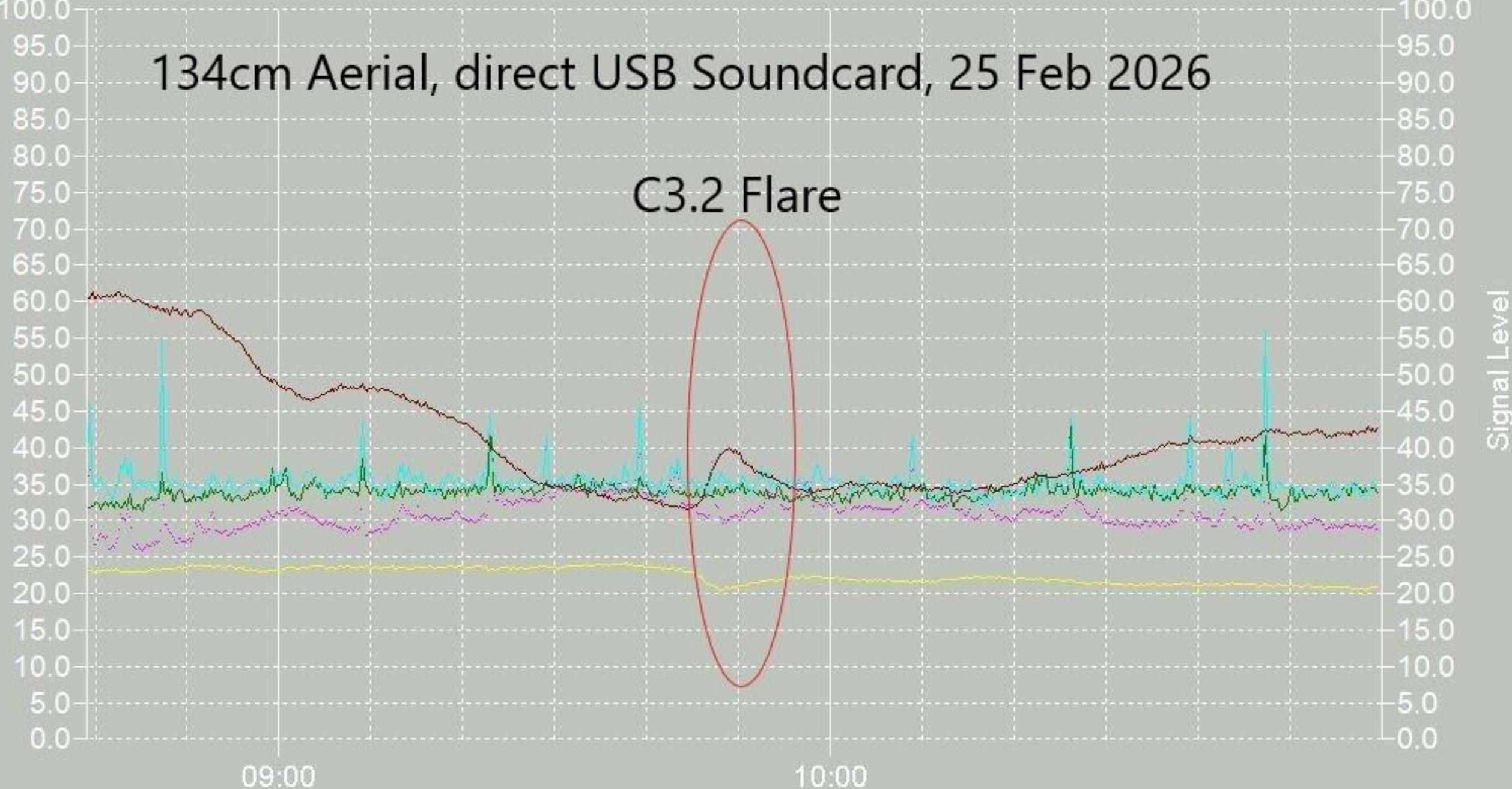
19k6

20k27

20k9

23k4

# 134cm Aerial, direct USB Soundcard, 25 Feb 2026



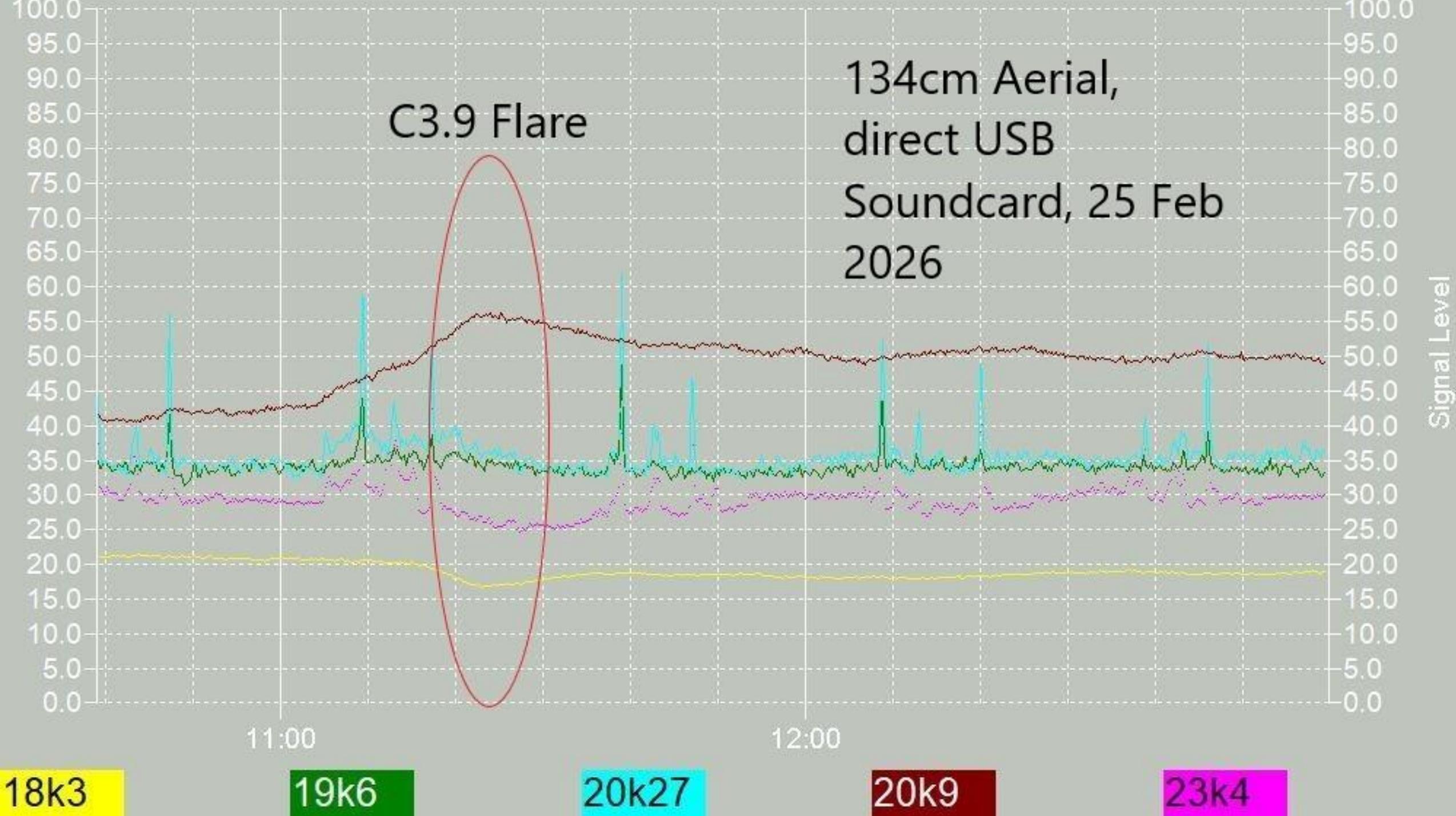
18k3

19k6

20k27

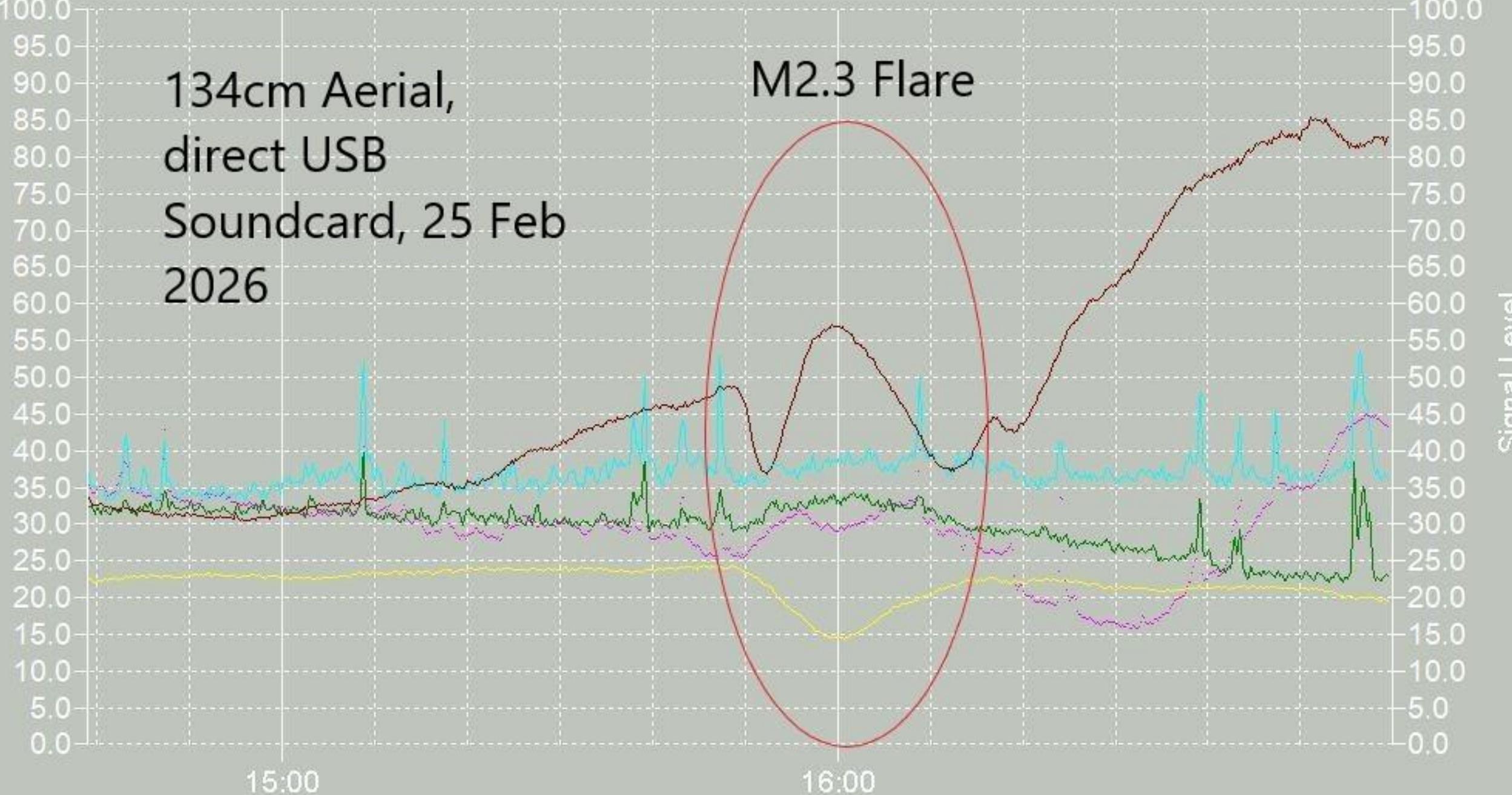
20k9

23k4



134cm Aerial,  
direct USB  
Soundcard, 25 Feb  
2026

M2.3 Flare



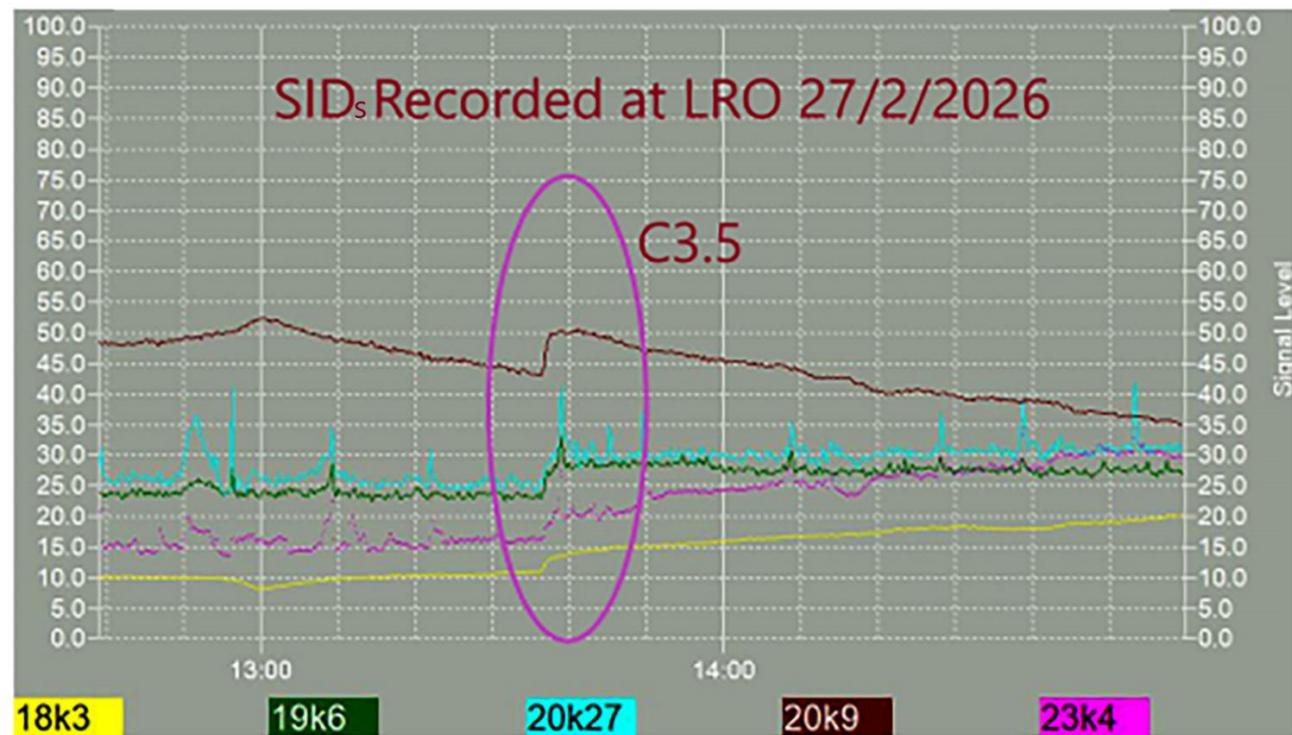
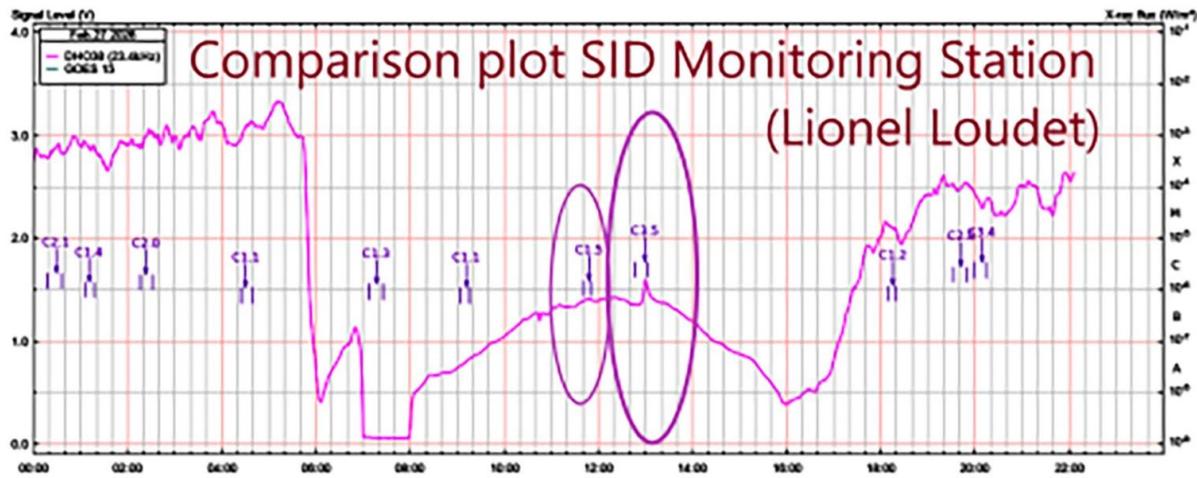
18k3

19k6

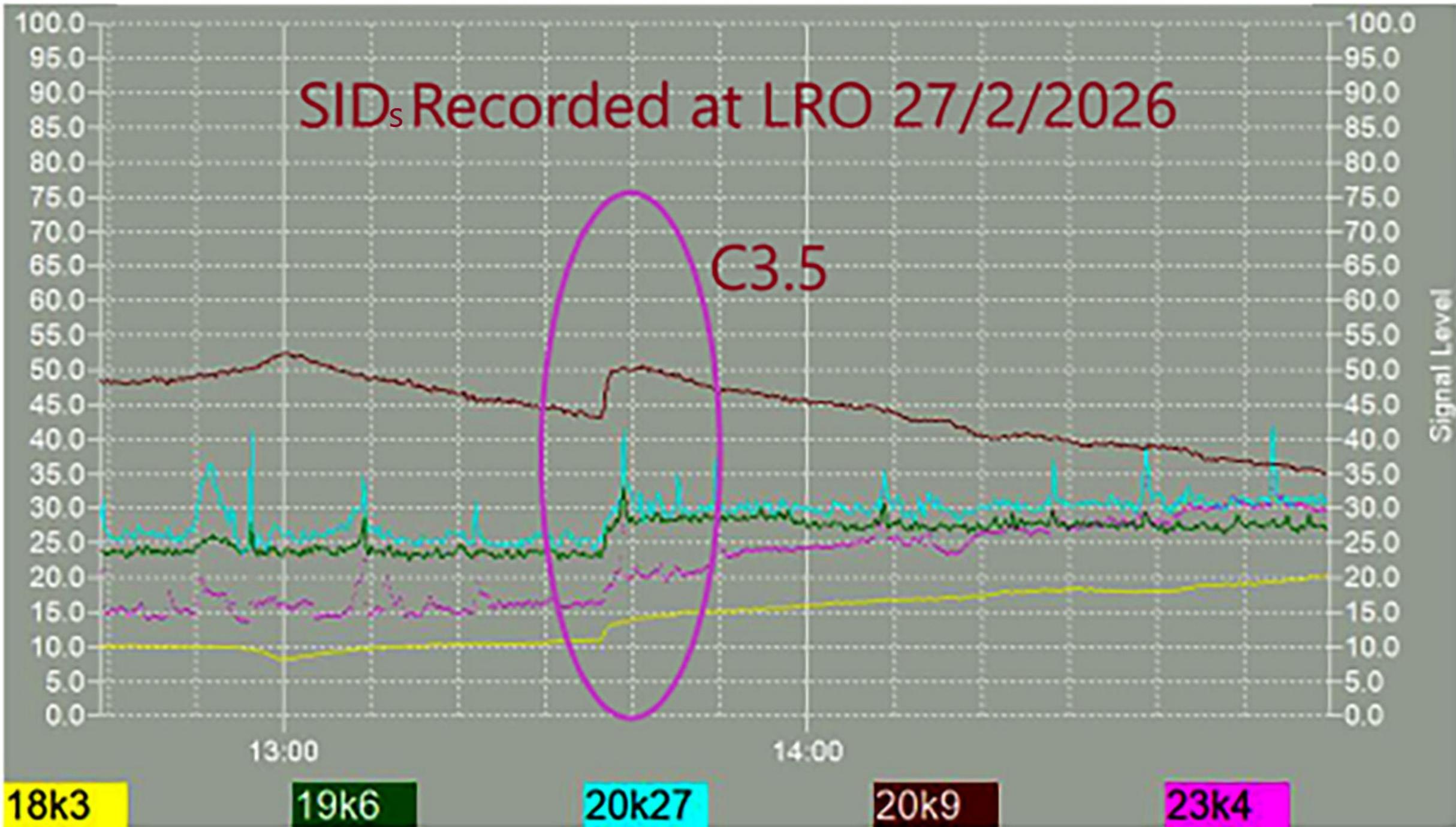
20k27

20k9

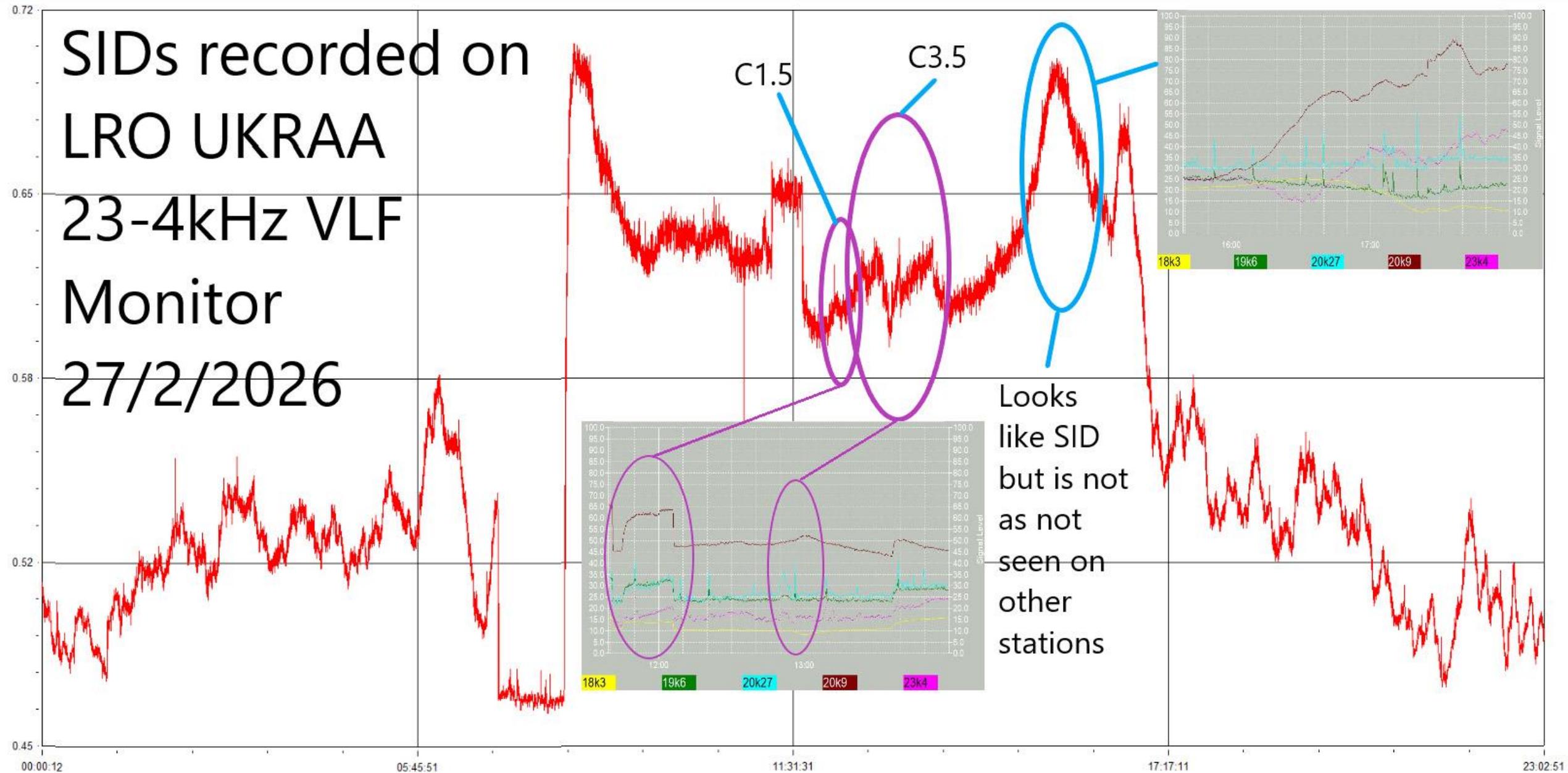
23k4



# SID<sub>s</sub> Recorded at LRO 27/2/2026



# SIDs recorded on LRO UKRAA 23-4kHz VLF Monitor 27/2/2026



Looks like SID but is not as not seen on other stations

# *Calculating dimensions of single-cavity Cavity RF Filter for 1420 MHz*

$$\lambda = \frac{c}{f} \approx \frac{3 \times 10^8}{1.420 \times 10^9} \approx 0.211 \text{ m}$$

$$\lambda/4 \approx 52.8 \text{ mm}$$

# 1420 MHz QUARTER-WAVE CAVITY FILTER

