



Recent ground-based solar observations from the Nançay Decameter Array

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Solar observations

* Daily observations : 25-29 Feb. (commissioning), 15 June (first perihelion)

- flux (auto- + cross-) sensed by RH/LH-polarized antennas
- 10-88 MHz
- absolute flux calibration sequences
- simultaneous observations with 3 receivers :

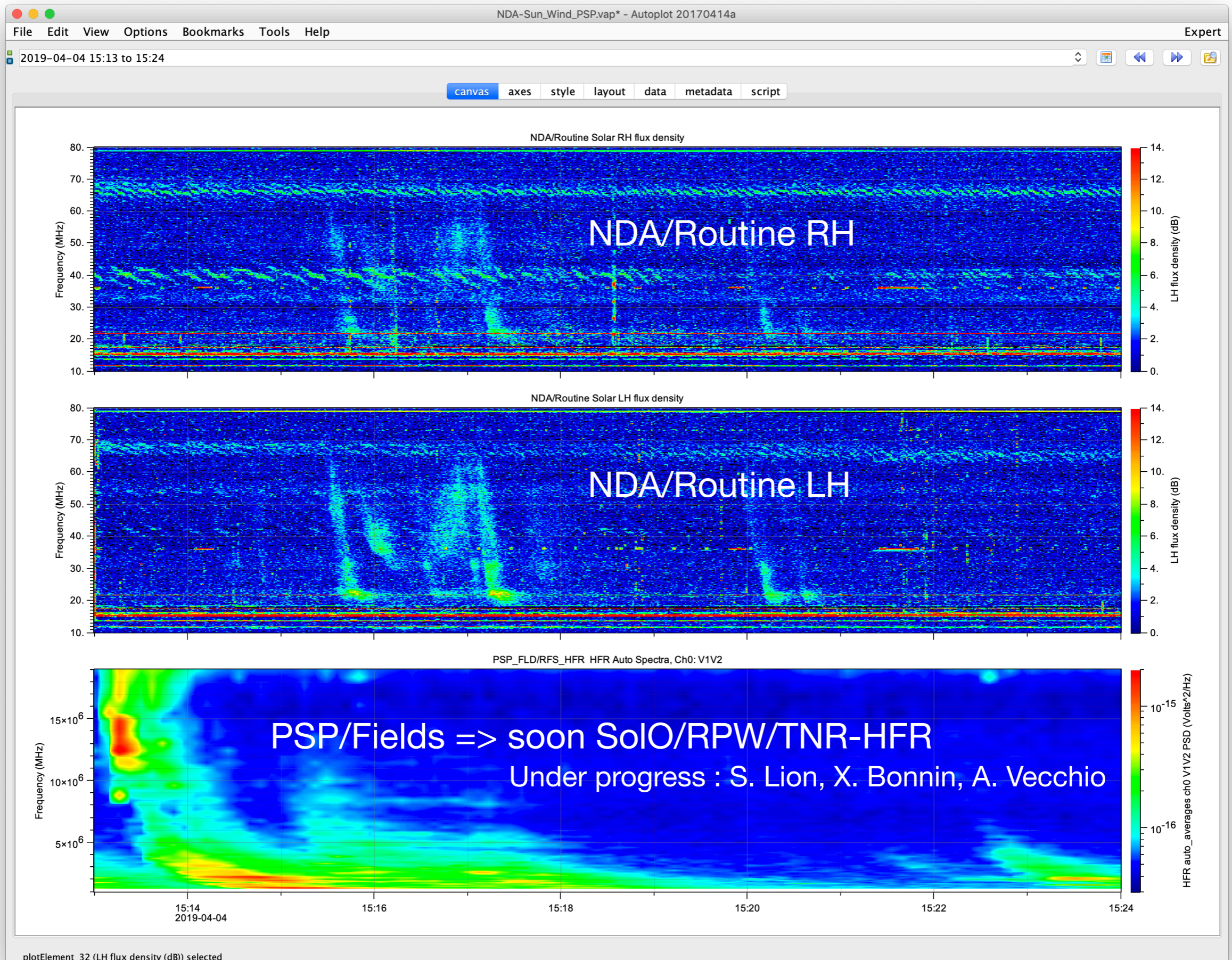
public (online) <http://www.obs-nancay.fr>

Receiver	Measurements	Channels	Spectral range (MHz)	Resolution (ms × kHz)	Data volume (per 8 h)	Format
Routine (1990–...)	RR, LL ¹	2	10–40 (Jupiter)	500 × 75 kHz	22 MB / 8h	binary, CDF
			10–80 (Sun)	500 × 175		binary, CDF
New Routine (2012–...)	RR, LL, LR	4	10–40 (Jupiter)	500 × 49	700 MB	binary, FITS
			10–88 (Sun)		1.8 GB	binary, FITS
Mefisto (2013–...)	RR, LL	2+2 ²	10–35	100 × 80	2.6 GB	binary, FITS

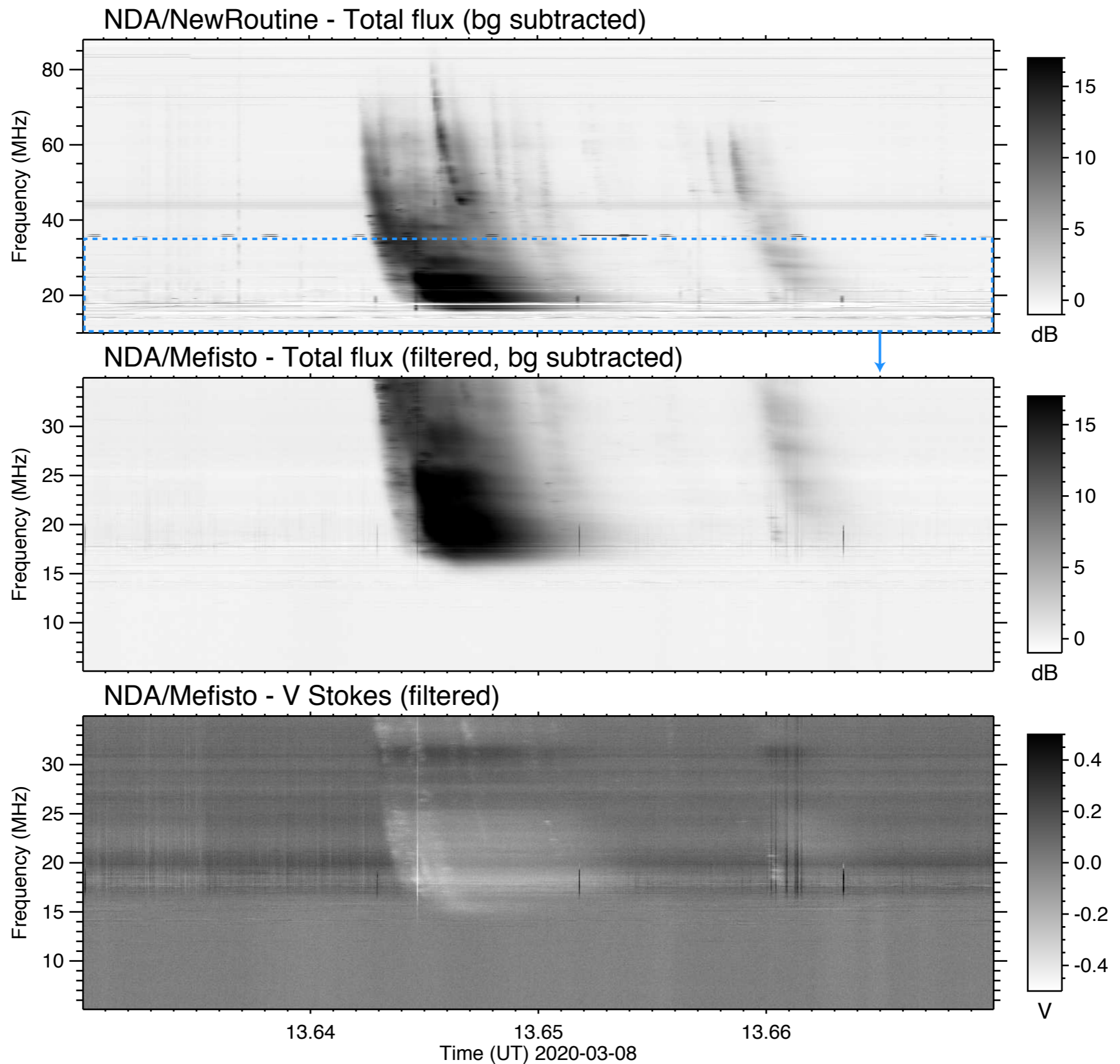
accessible on demand

(Boischot et al., 1980, Lecacheux et al., 2013, Lamy et al., 2017)

Routine receiver



New-Routine/Mefisto receivers



New-Routine/Mefisto receivers

