

February 2023 Solar Campaign Report

In this document, noise and spectra, as well as a summary of the main incidents occurred during data taking are reported for the Solar Rx campaign corresponding to the days: February 13th, 14th and 15th, 2023.

Solar:

February 13th:

- Start the campaign at 10:00 hours.
- % Operation/4h: 100.
- Important: Channels E and F in the manual are not correctly labeled. It should say: channel E ->East down and channel F->East up.

Log:

- No incidents reported.

Staff in charge

08-20: E. Manay.

Noise:

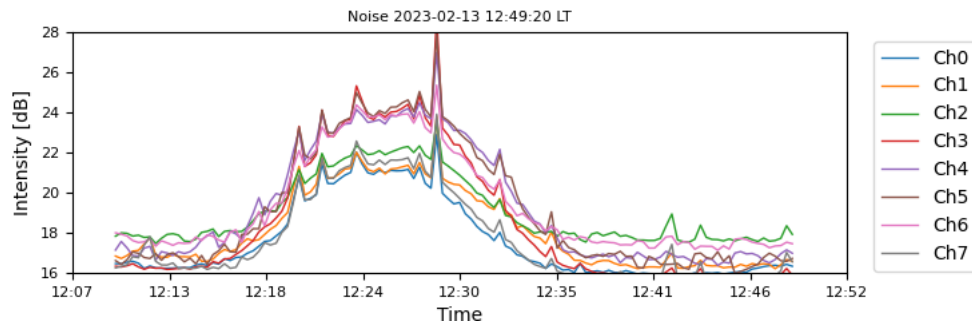


Figure 1.Noise for February 13th, 2023. The antenna quarters and polarizations are labeled as follows: Wu (channel A), Wd (channel B), Nd (channel C), Nu (channel E), Eu (channel F) and Ed (channel E).

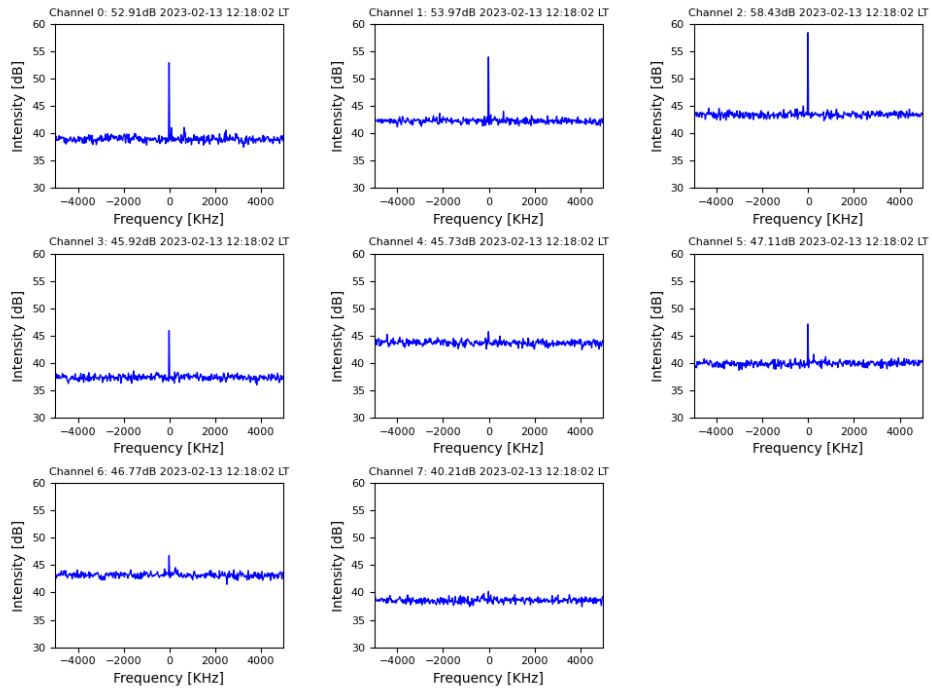


Figure 2. Spectra for January 13th, 2023.

February 14th:

- Start the campaign at 11:03 hours.
- % Operation/2h30m: 100.
- Important: Channels E and F in the manual are not correctly labeled. It should say: channel E ->East down and channel F->East up.

Log:

- No incidents reported.

Staff in charge

08-20: E. Manay.

Noise:

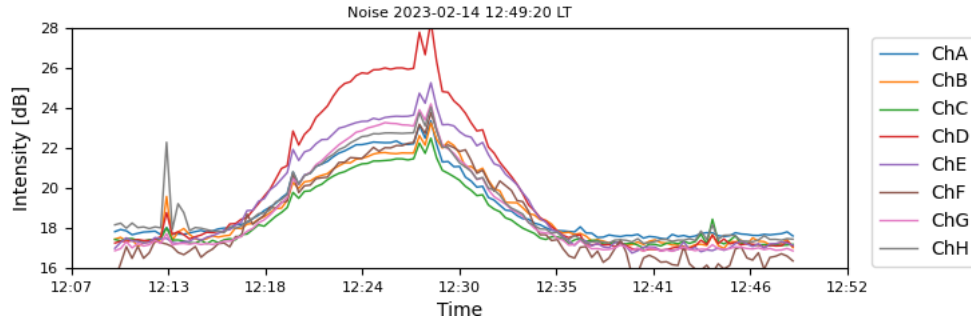


Figure 3. Noise for January 14th, 2023. The antenna quarters and polarizations are labeled as follows: Wu (channel A), Wd (channel B), Nd (channel C), Nu (channel E), Eu (channel F) and Ed (channel E).

Spectra:

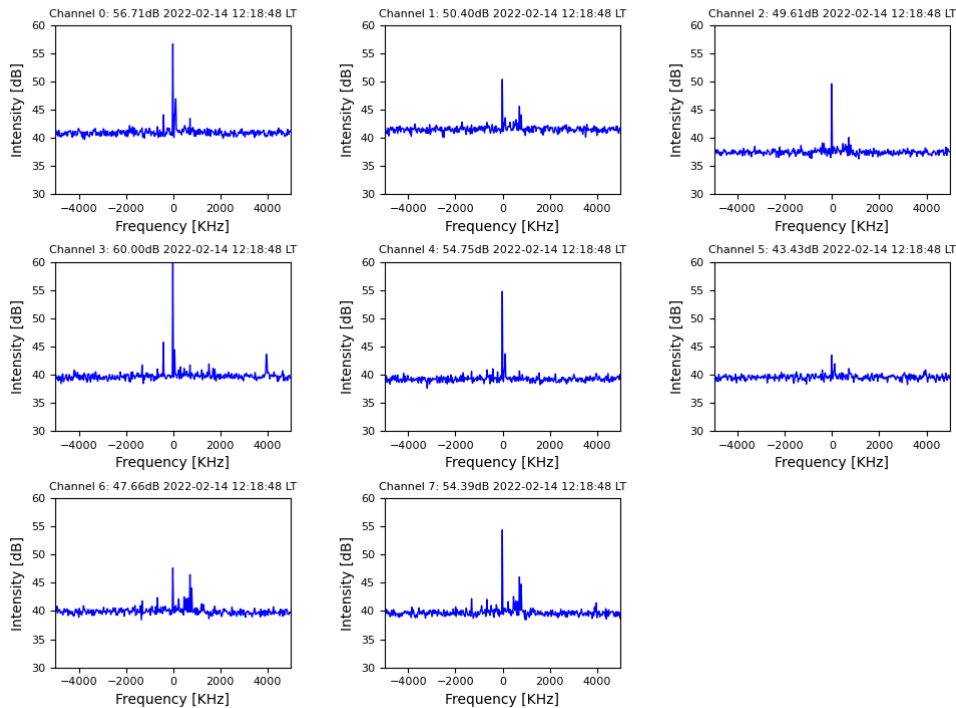


Figure 4. Spectra for February 14th, 2023.

February 15th:

- Start the campaign at 11:34 hours.
- % Operation/2h26m: 100.
- Important: Channels E and F in the manual are not correctly labeled. It should say: channel E ->East down and channel F->East up.

Log:

- No incidents reported.

Staff in charge

08-20: E. Manay.

Noise:

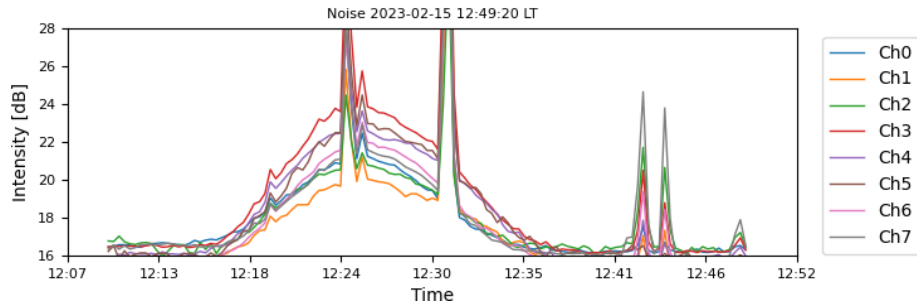


Figure 5. Noise for February 15th, 2023. The antenna quarters and polarizations are labeled as follows: Wu (channel A), Wd (channel B), Nd (channel C), Nu (channel E), Eu (channel F) and Ed (channel E).

Spectra:

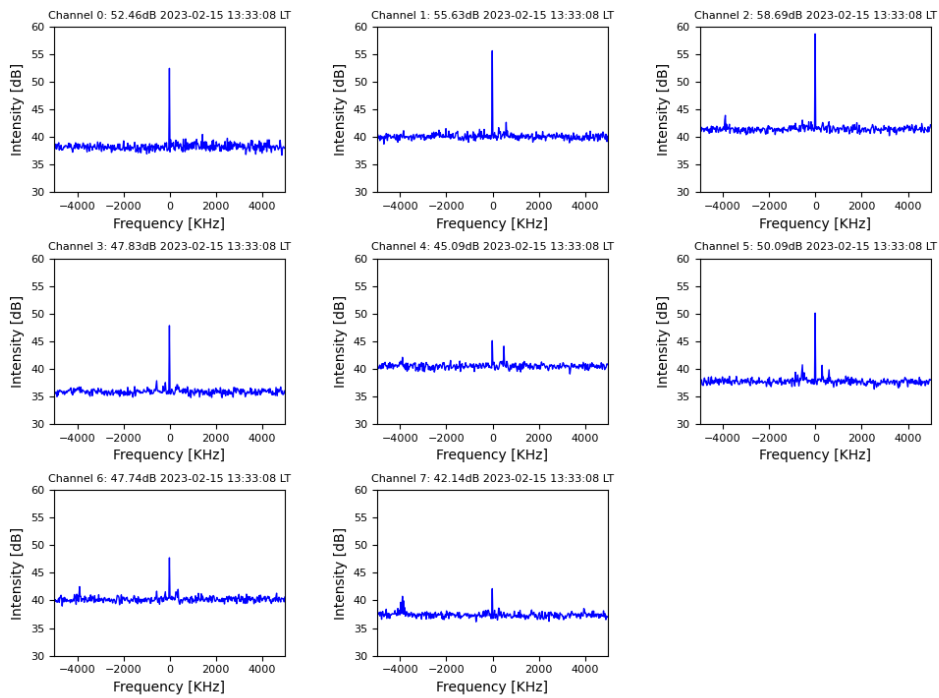


Figure 6. Noise for January 15th, 2023.

Annex:

Sky noise for February 14th, 2023:

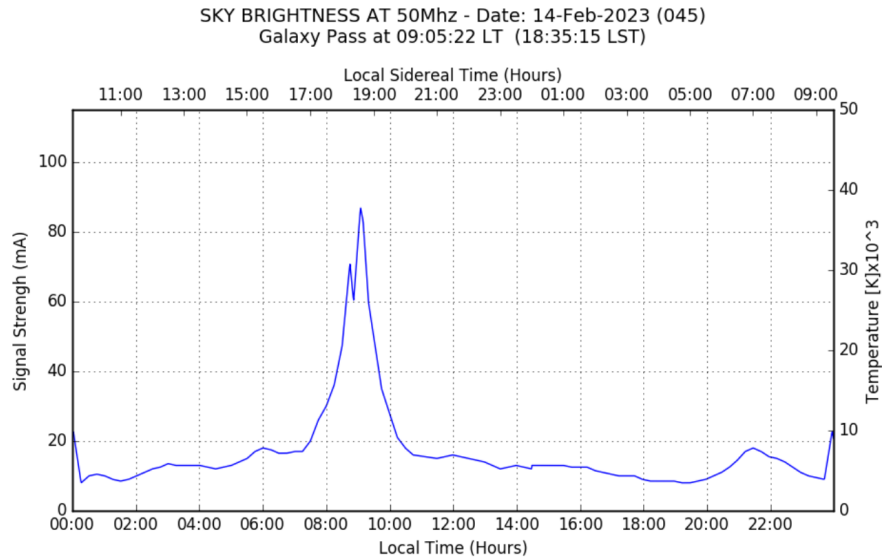


Figura 11

Figure 7. Sky noise as a function of time. February 14th, 2023.

Antenna pattern

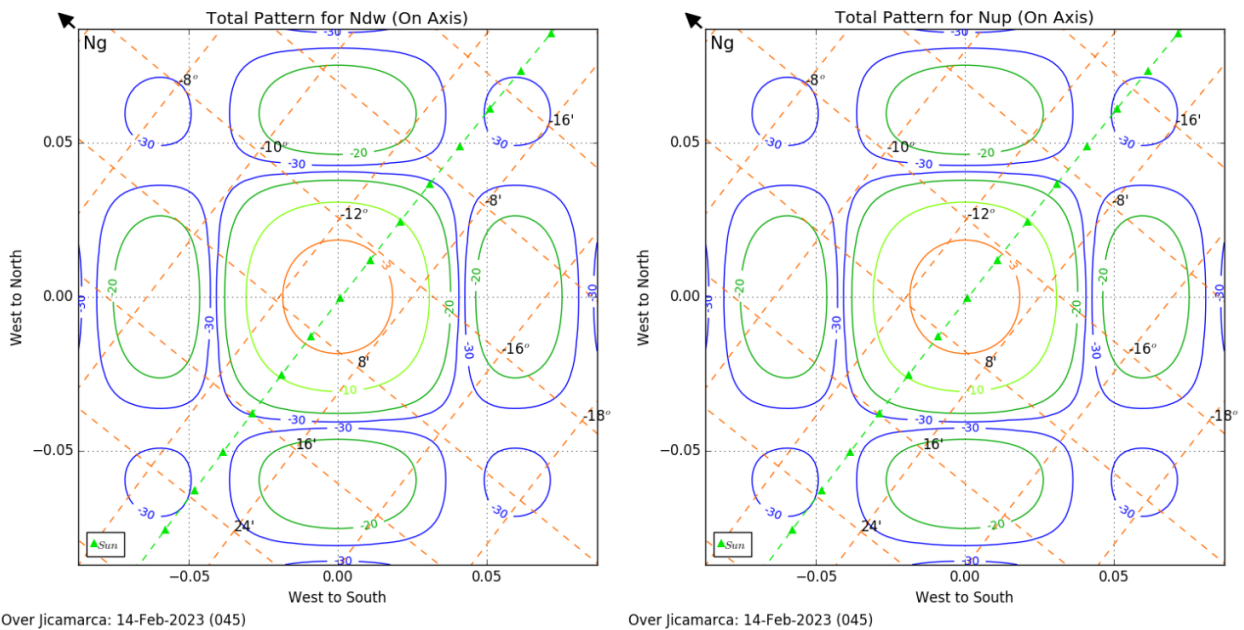
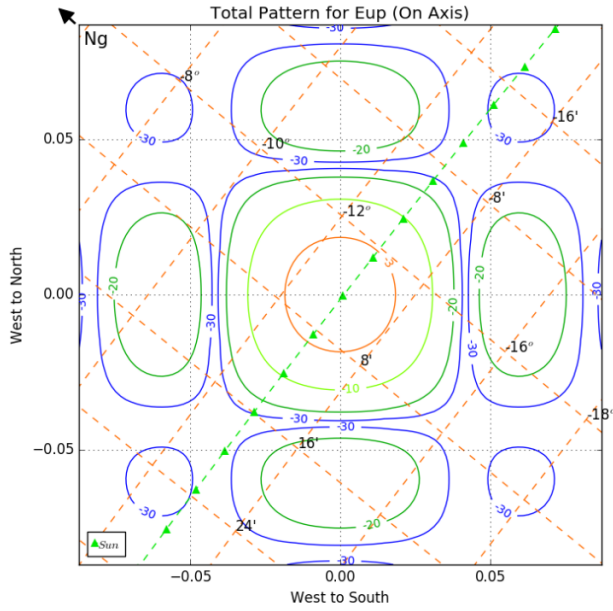
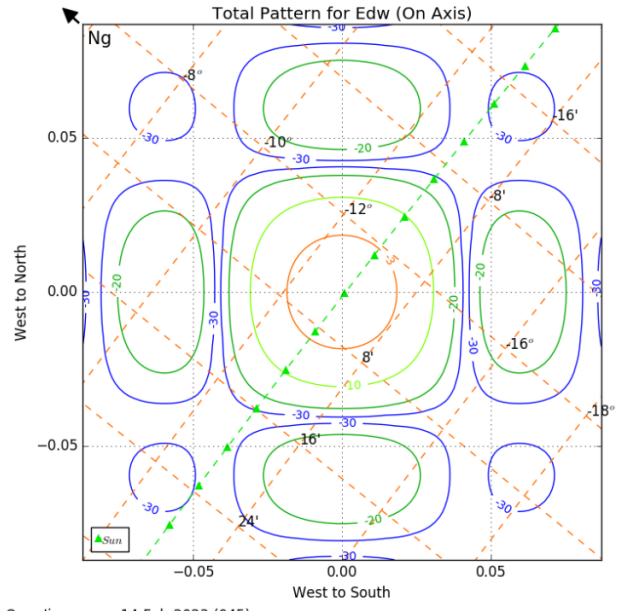


Figure 8. Antenna pattern Solar for NdW and NuP. February 14th, 2023.



Over Jicamarca: 14-Feb-2023 (045)



Over Jicamarca: 14-Feb-2023 (045)

Figure 9. Antenna pattern Solar for Eup and Ewd. February 14th, 2023.