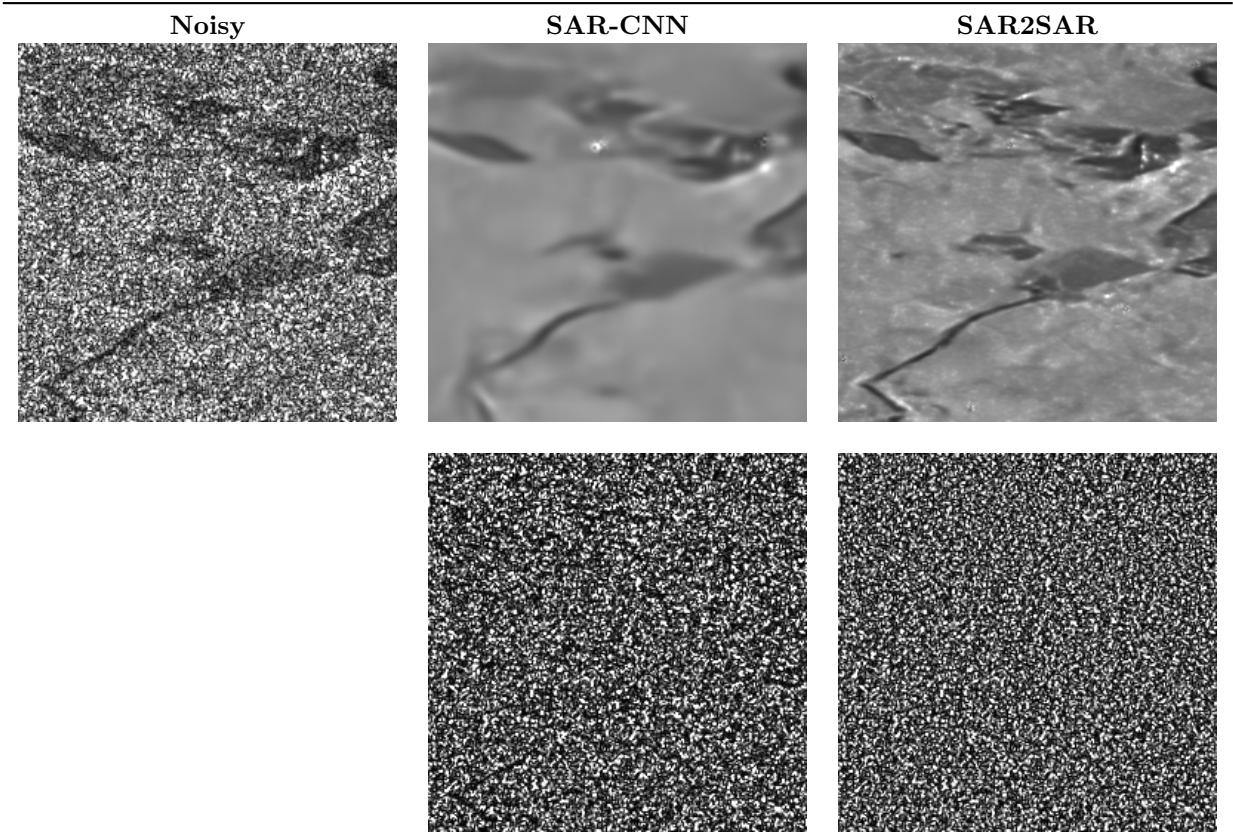


SAR2SAR

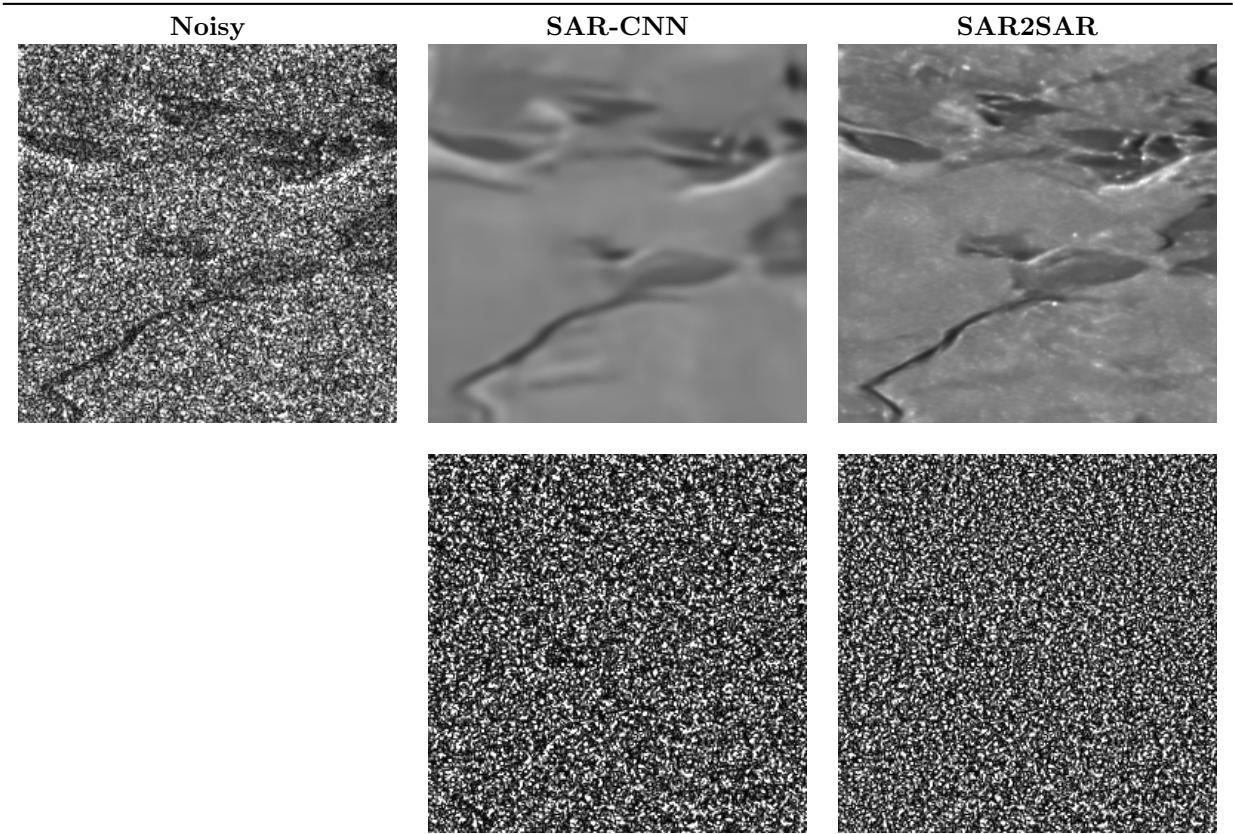
Additional results

Emanuele Dalsasso, Loïc Denis and Florence Tupin

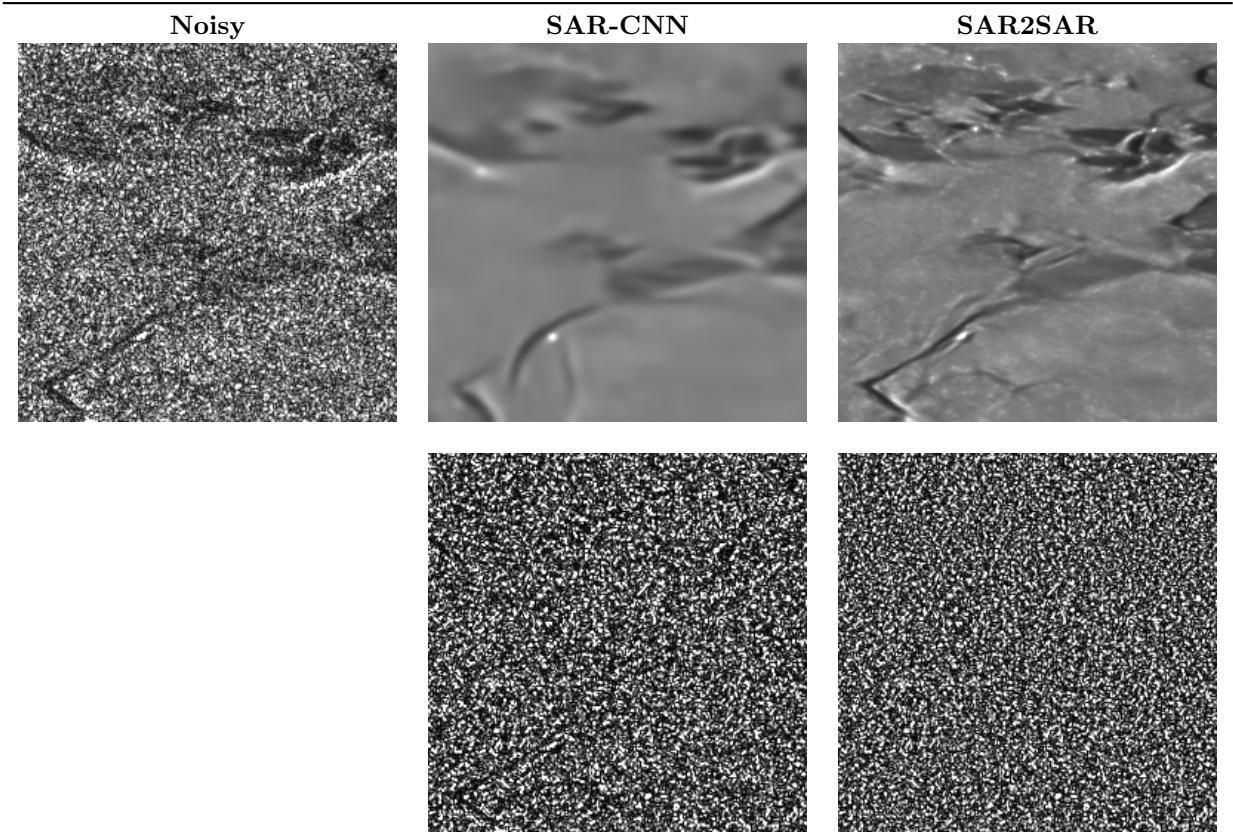
In this document, additional results on Sentinel-1 images comparing SAR-CNN [1] and SAR2SAR [2] are given. Together with the restored images, residual speckle noise (obtained by dividing the noisy images by the restored one) is also displayed.



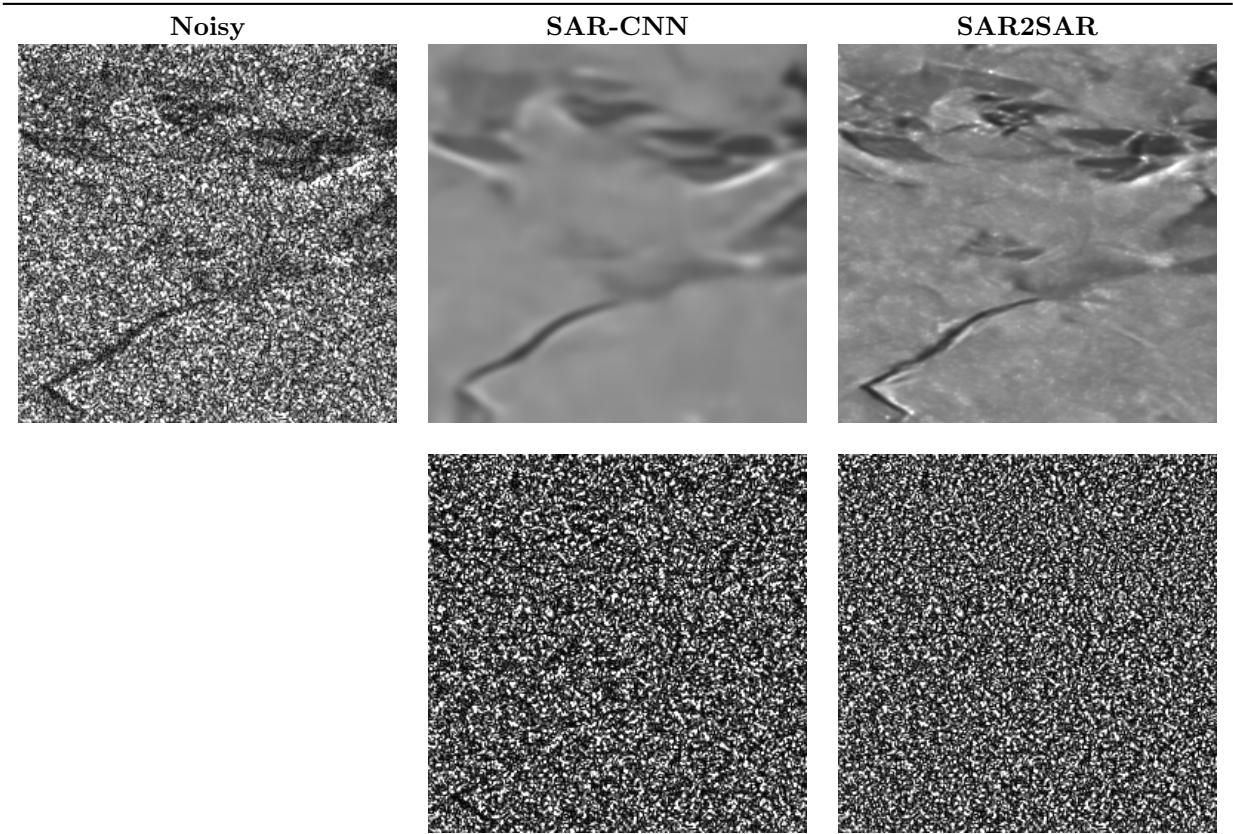
Results on Marais 1, date 1



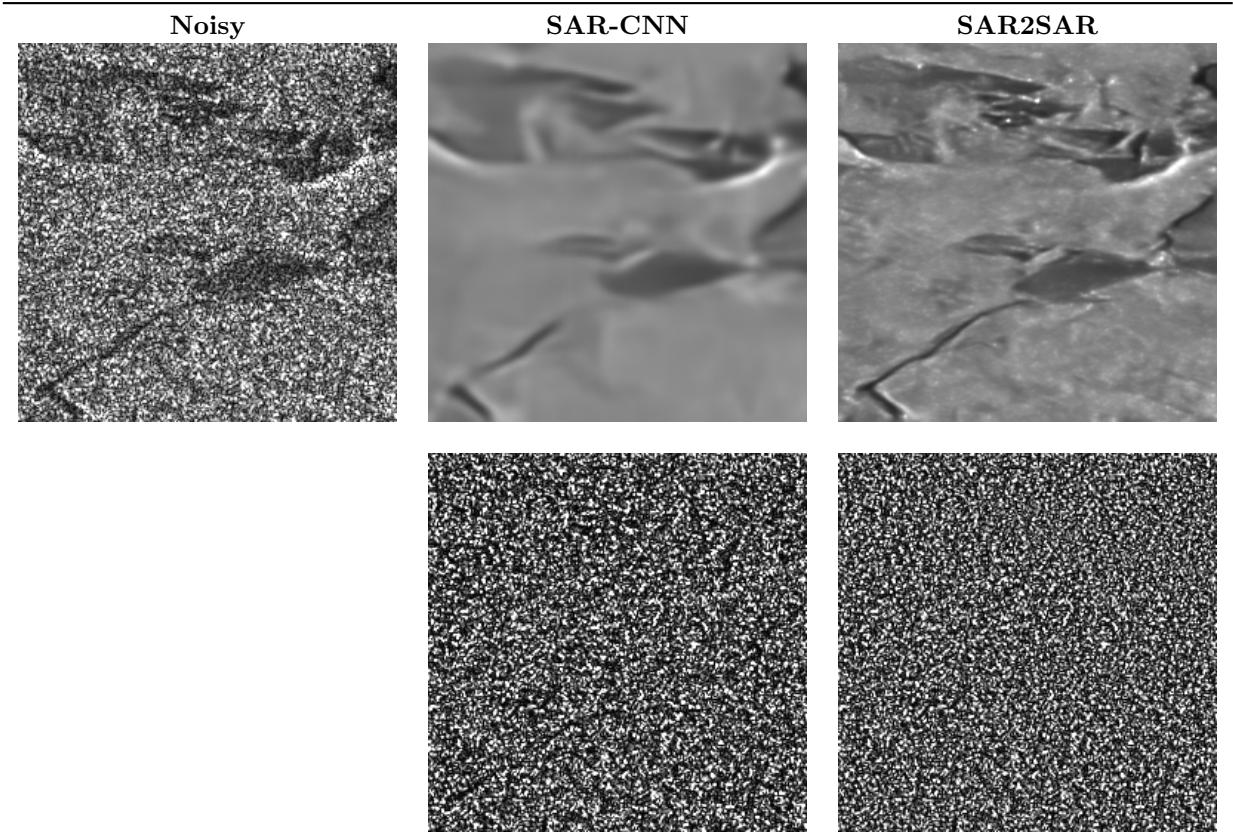
Results on Marais 1, date 2



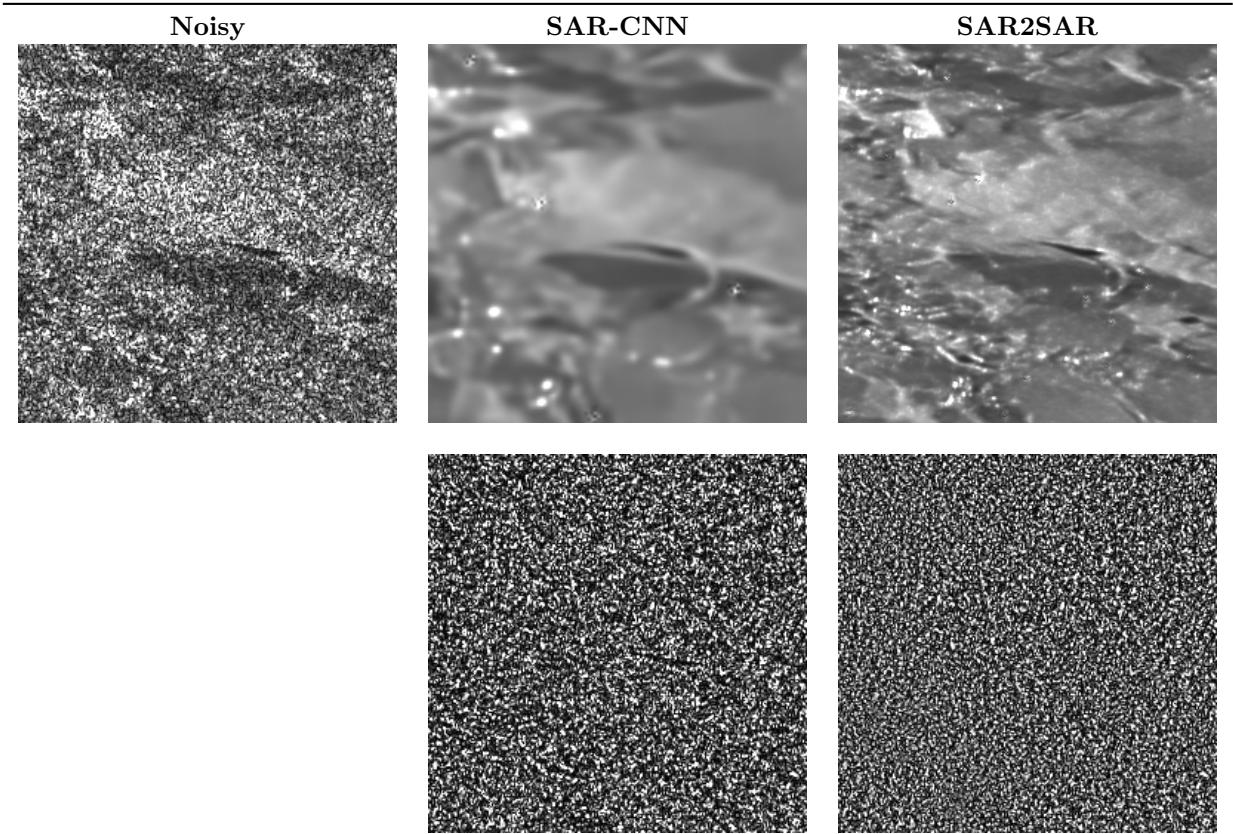
Results on Marais 1, date 3



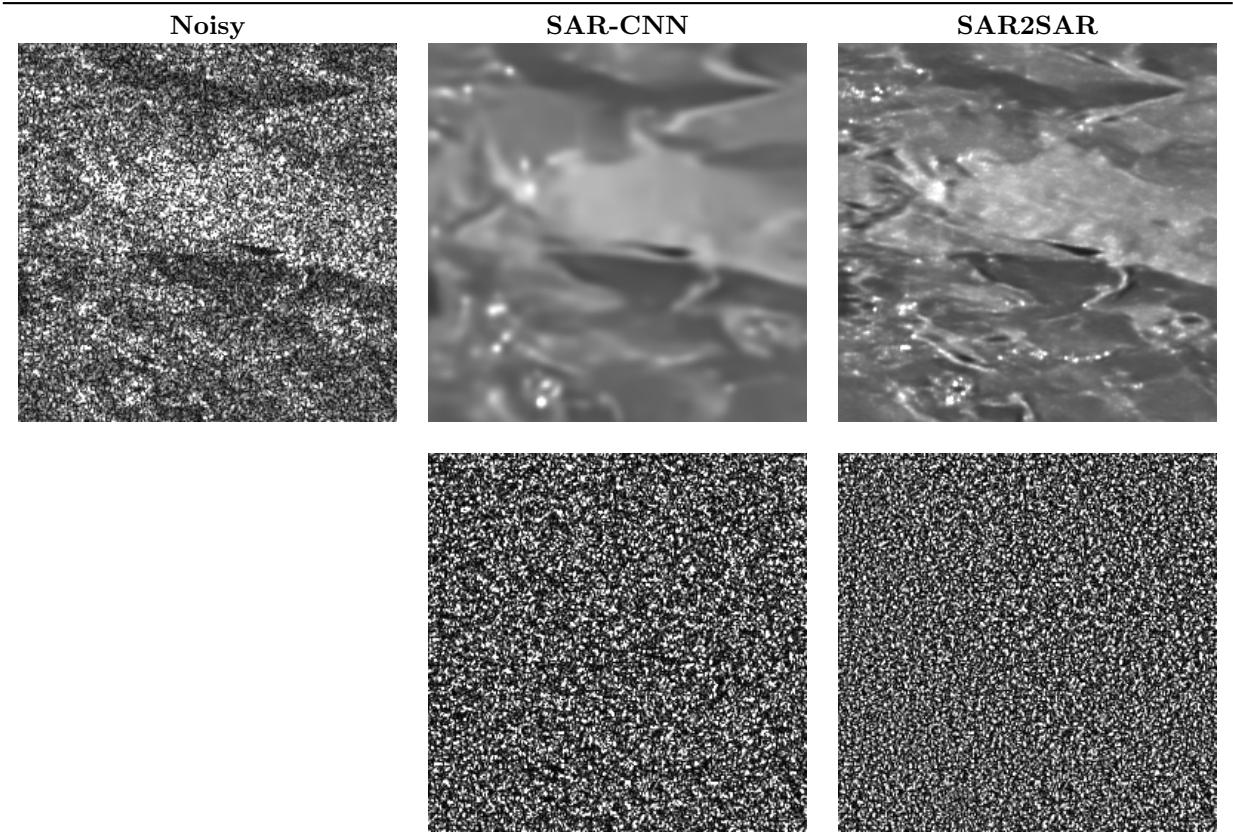
Results on Marais 1, date 4



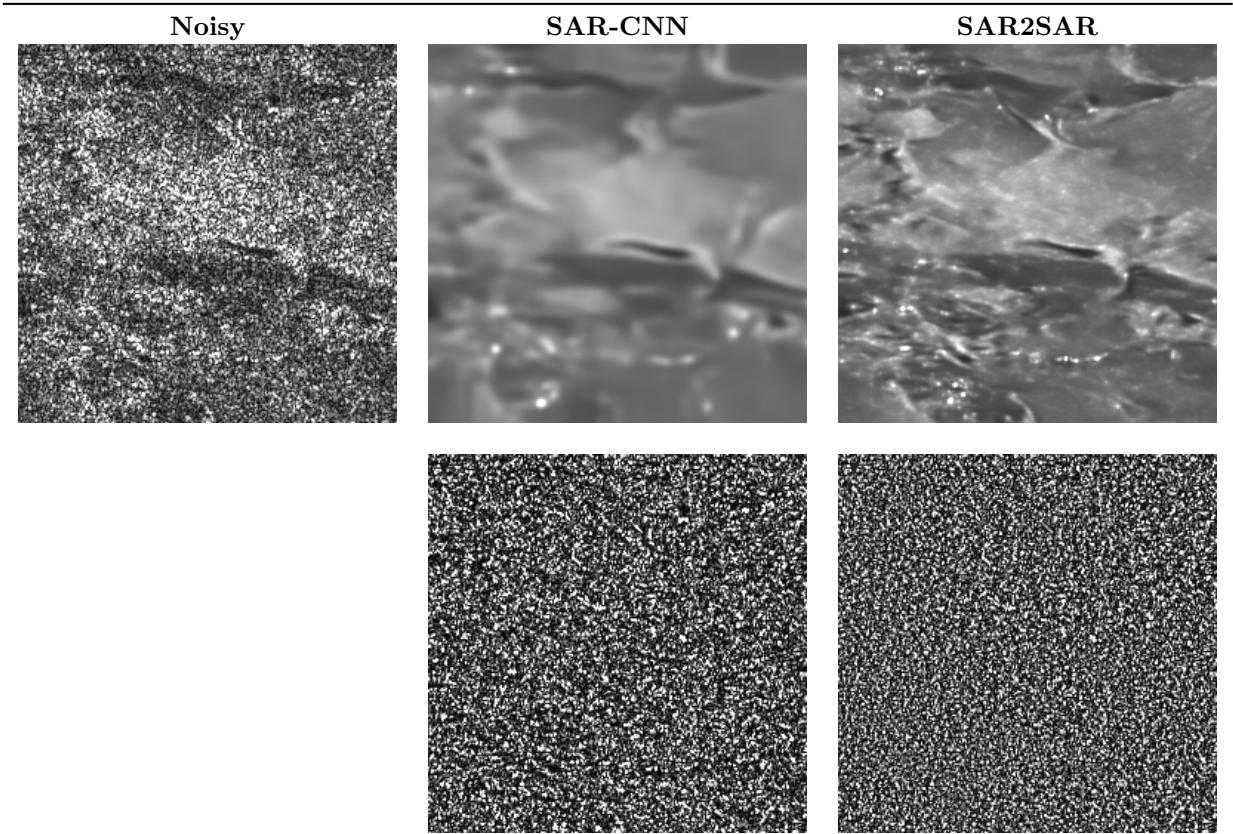
Results on Marais 1, date 5



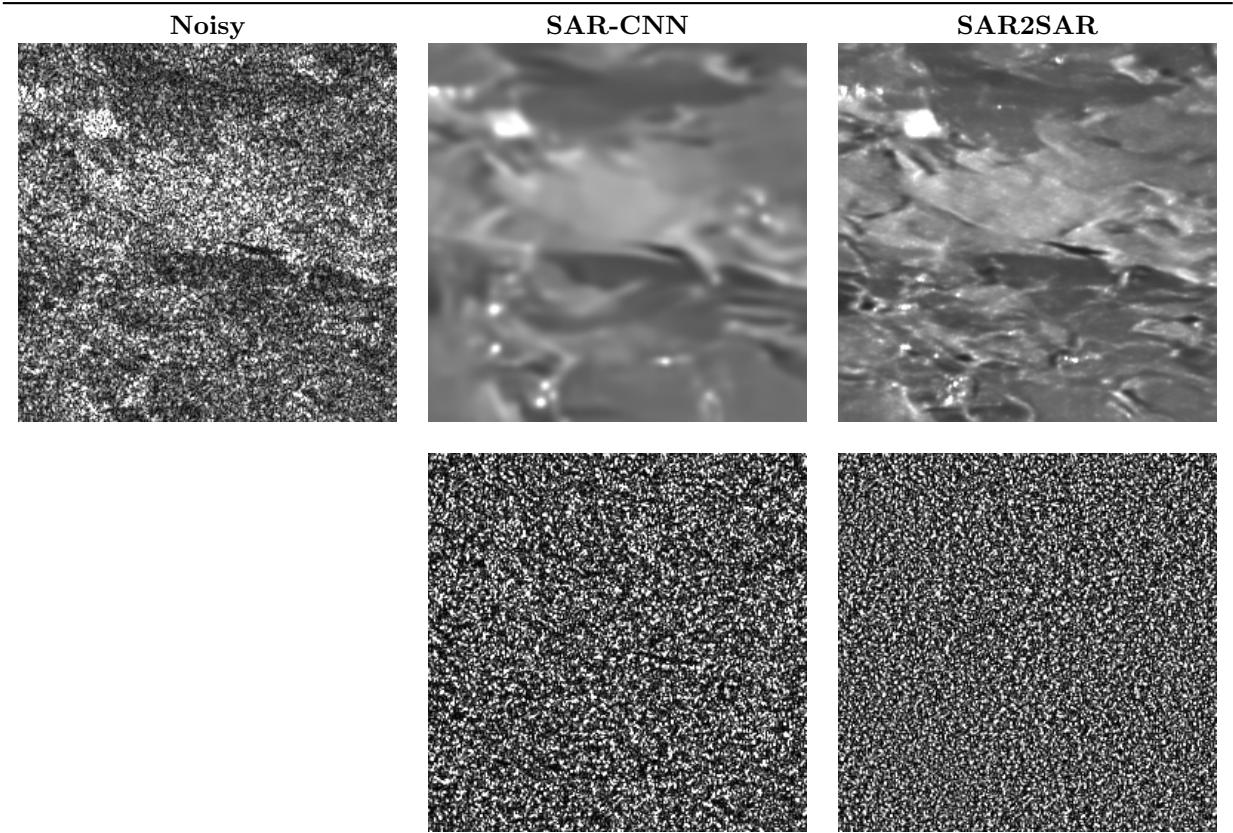
Results on Limagne, date 1



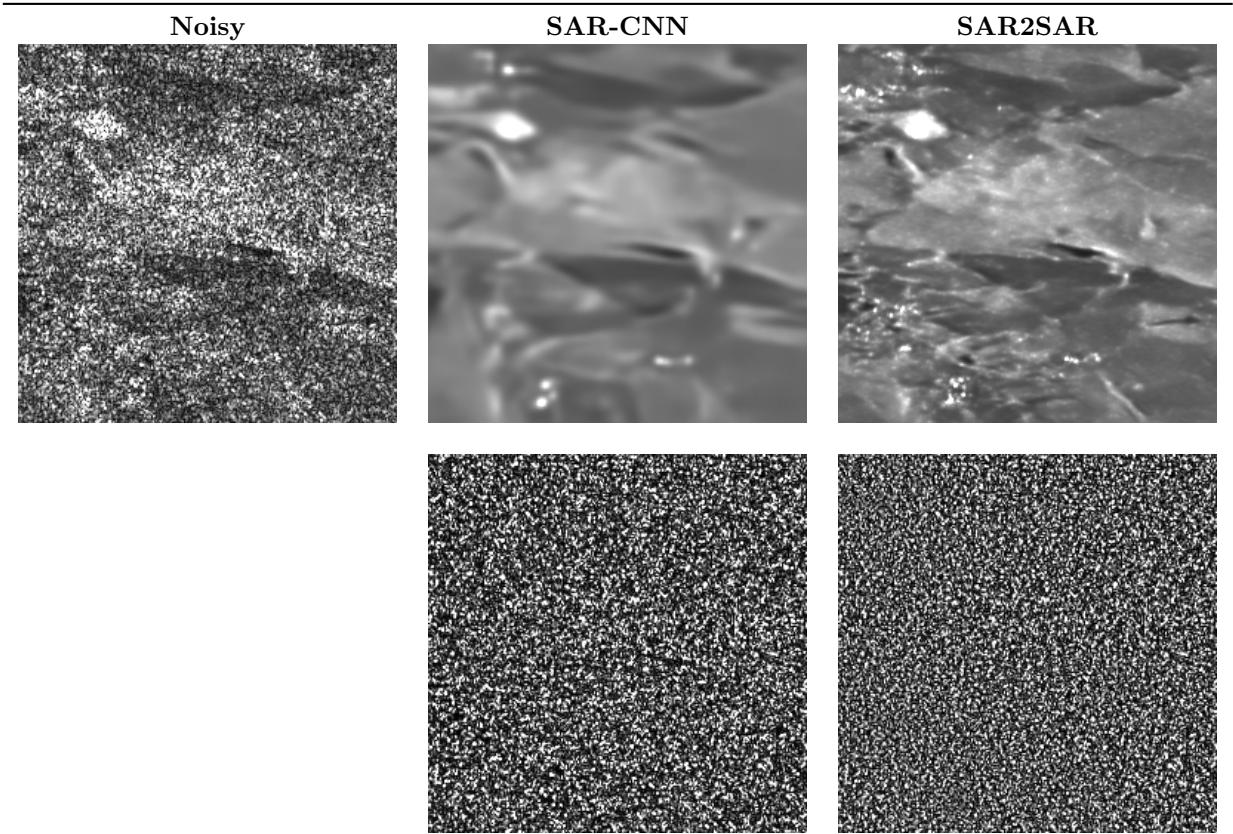
Results on Limagne, date 2



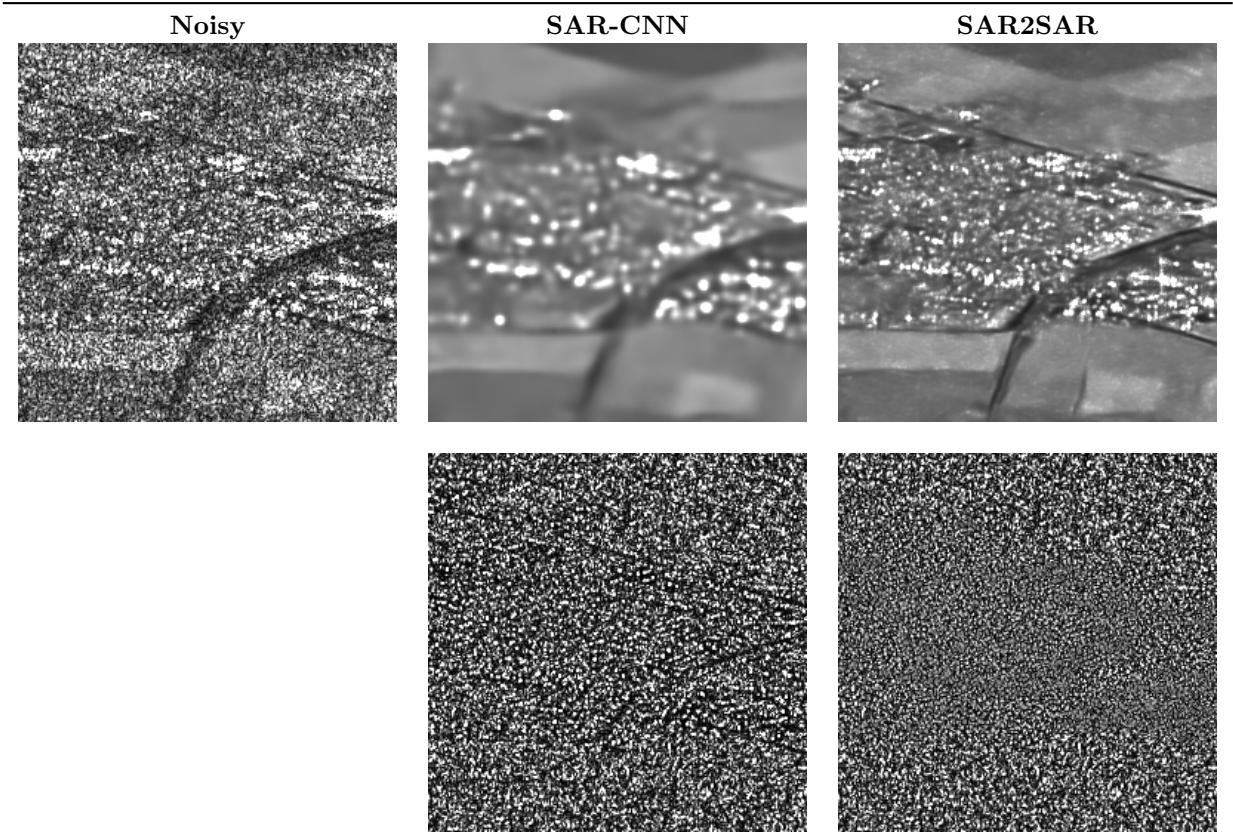
Results on Limagne, date 3



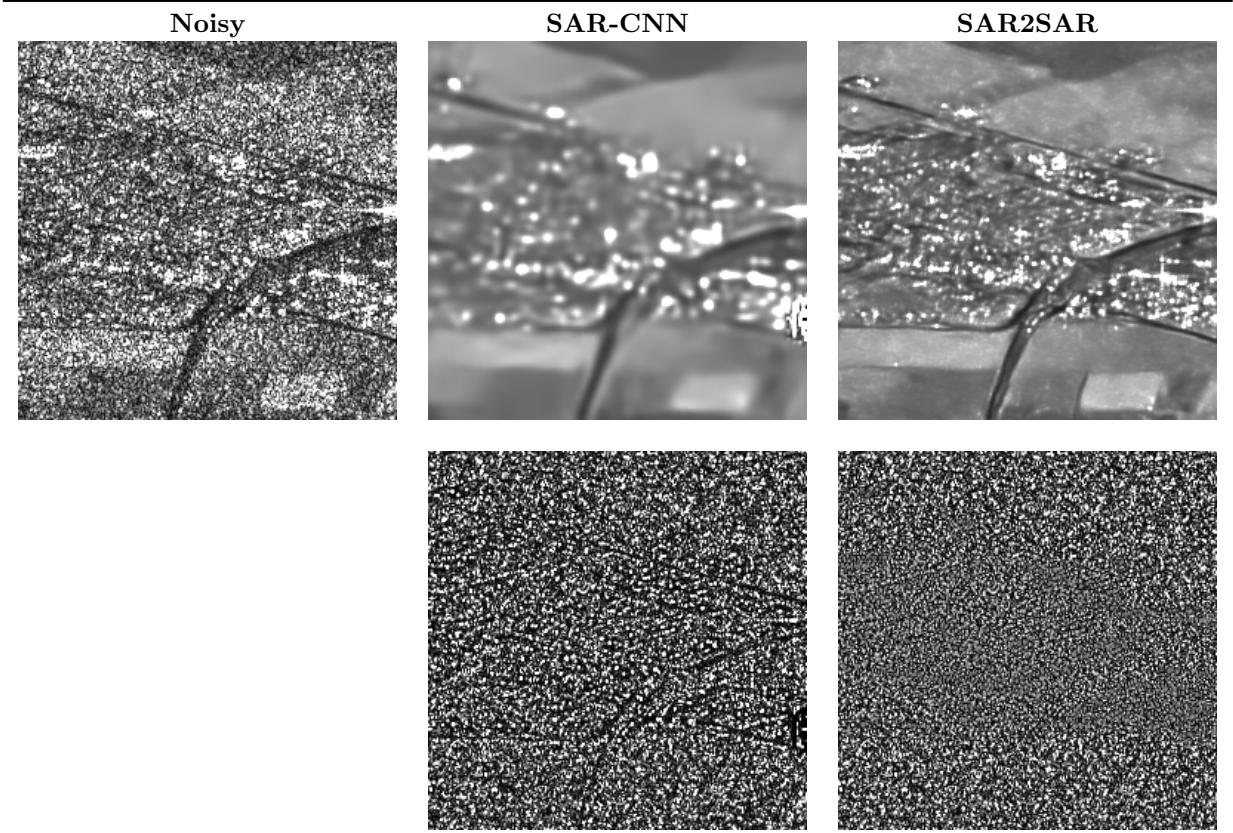
Results on Limagne, date 4



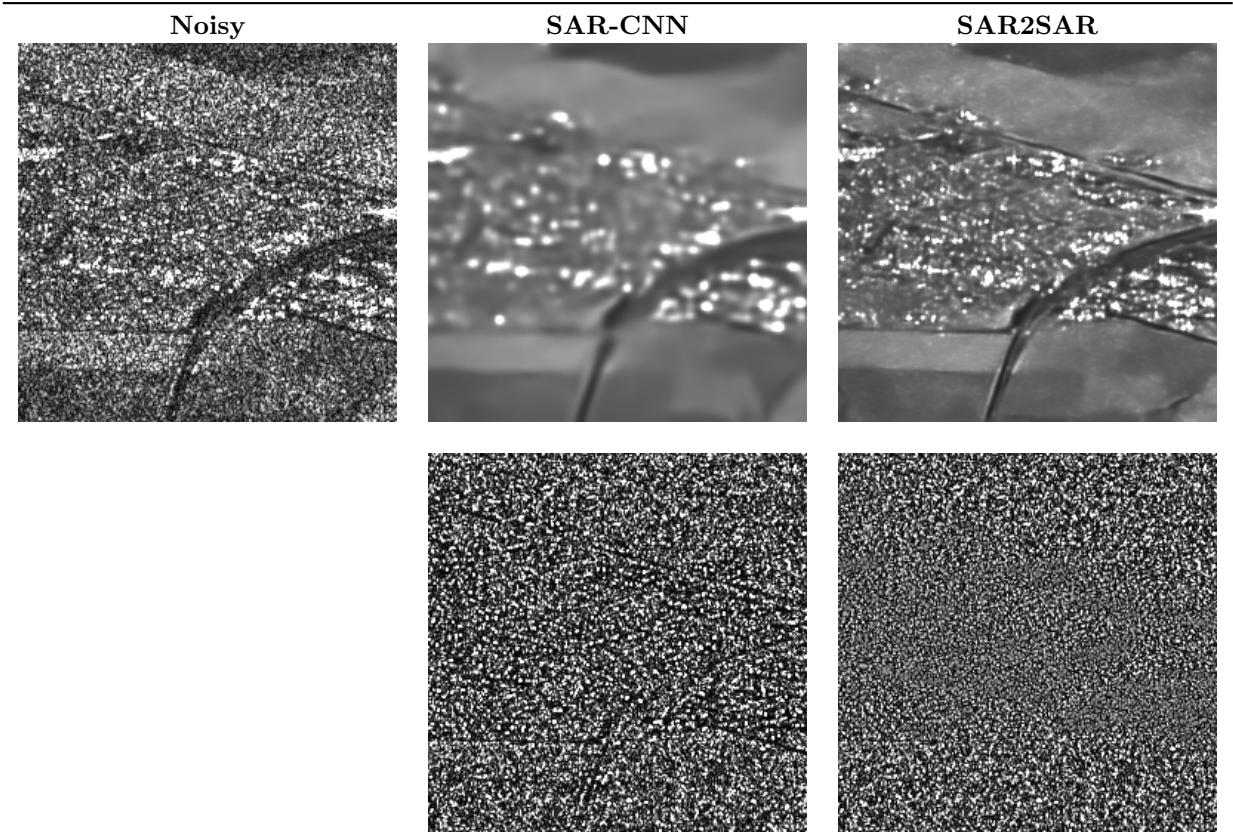
Results on Limagne, date 5



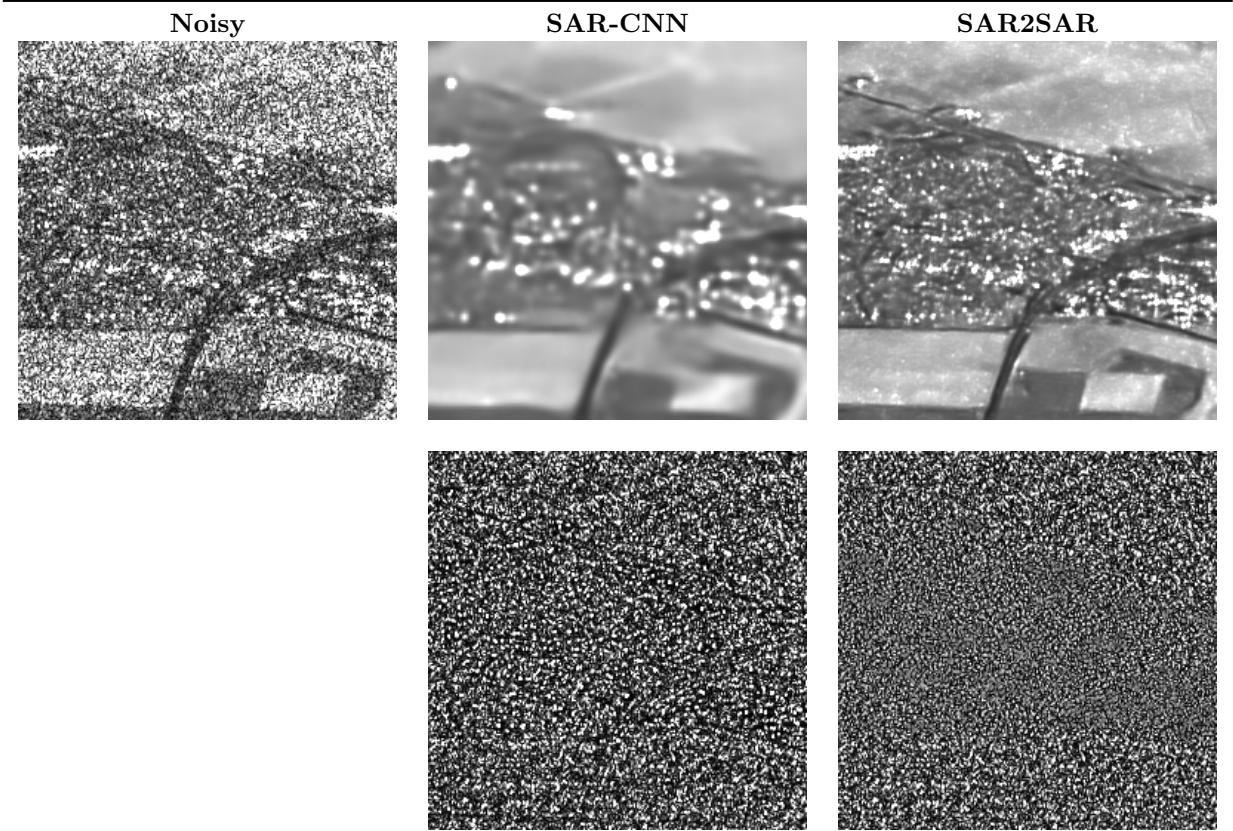
Results on Lelystad, date 1



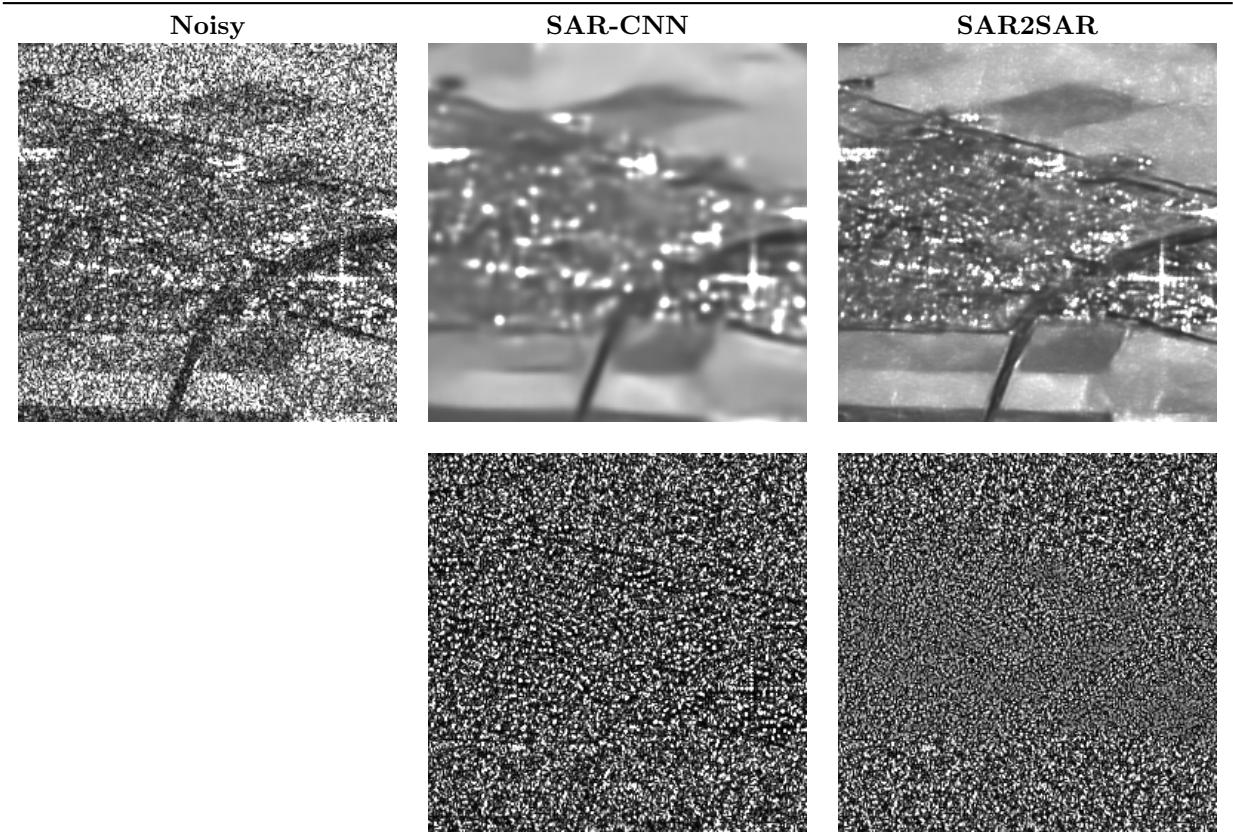
Results on Lelystad, date 2



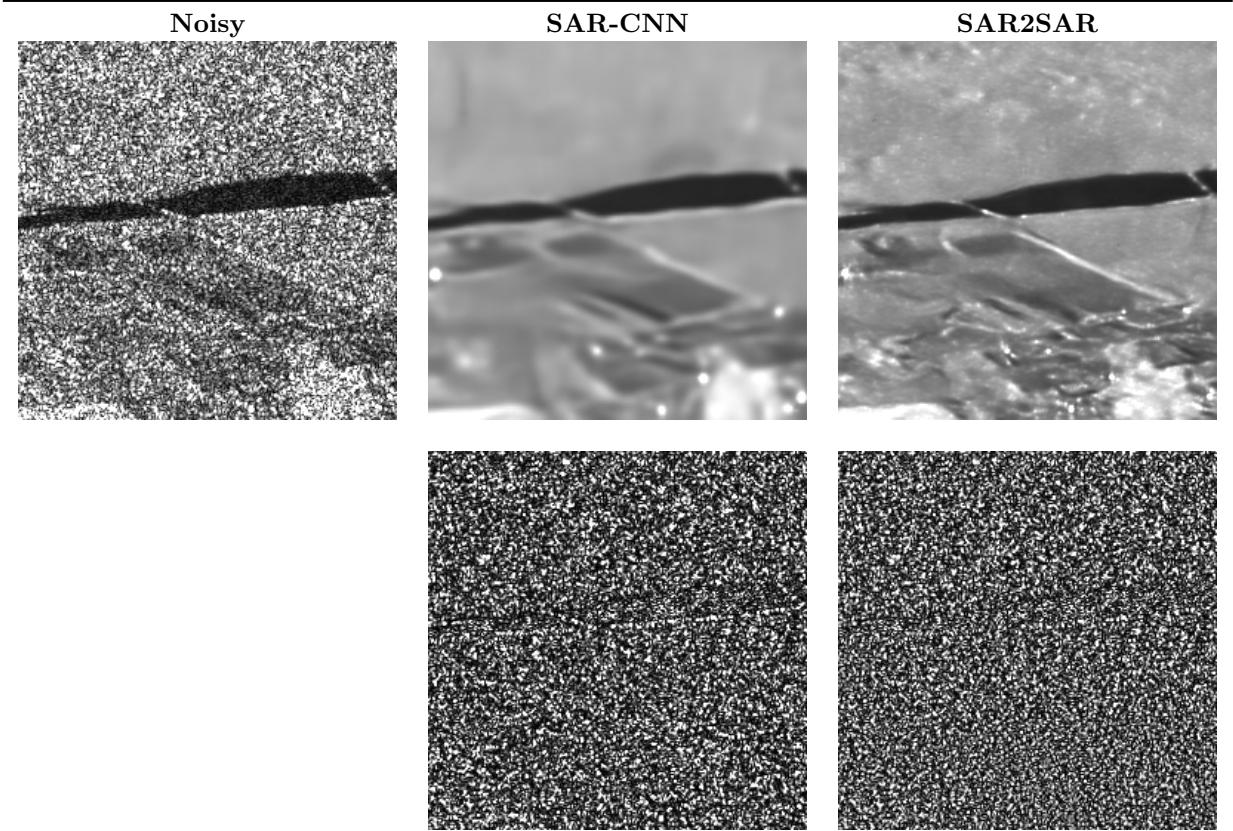
Results on Lelystad, date 3



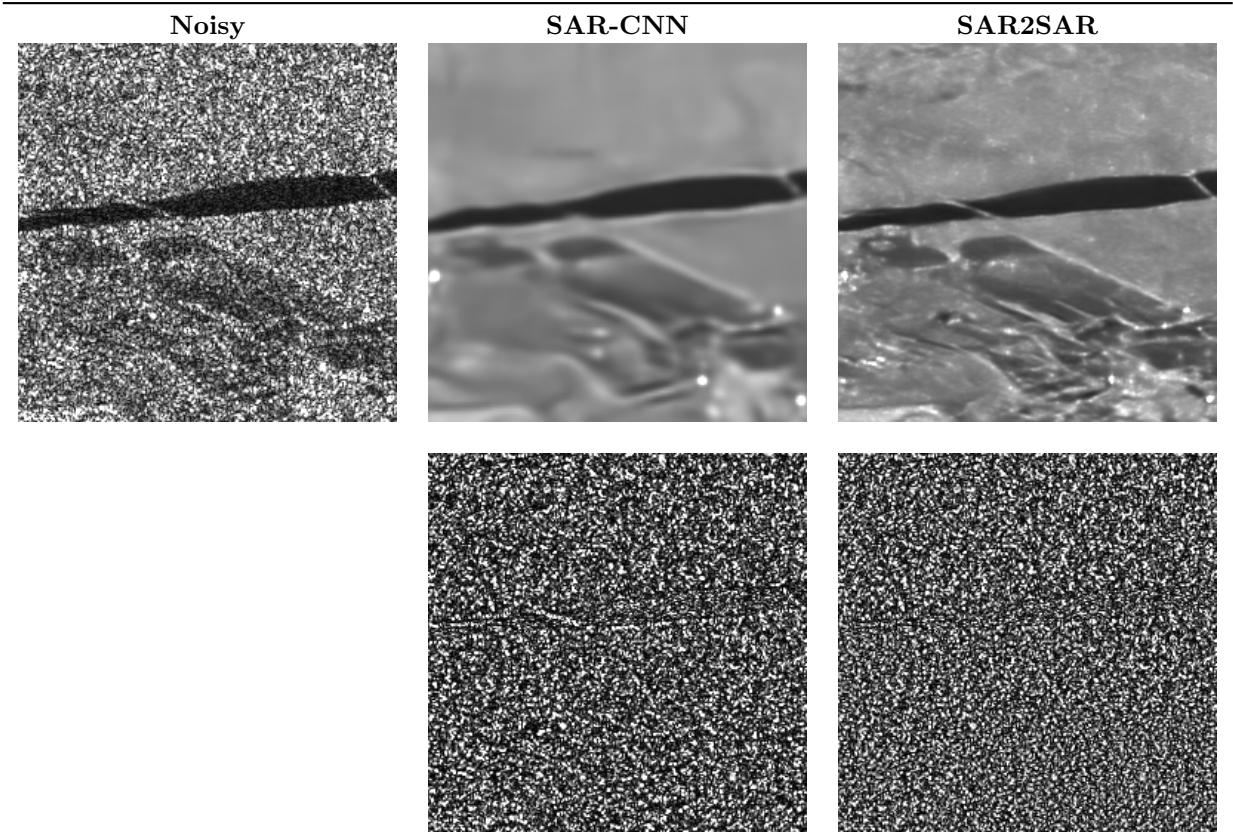
Results on Lelystad, date 4



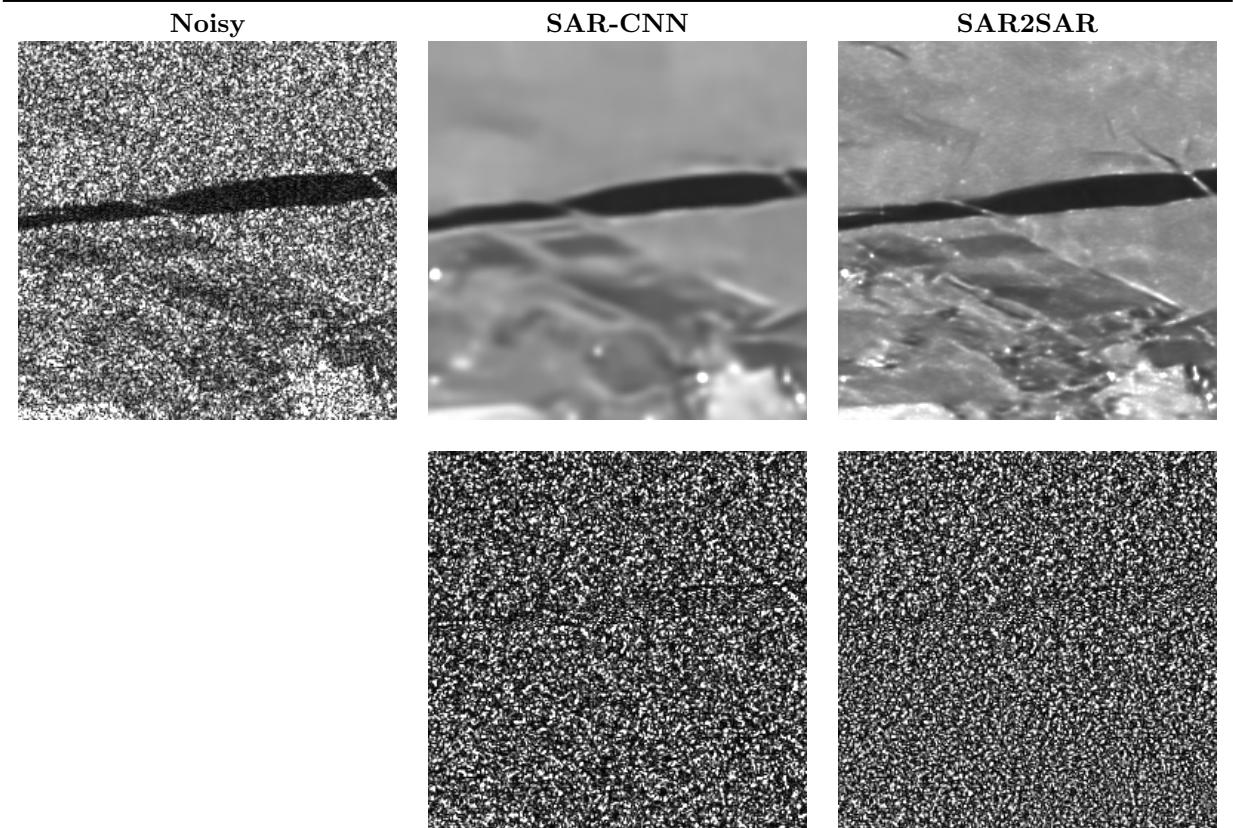
Results on Lelystad, date 5



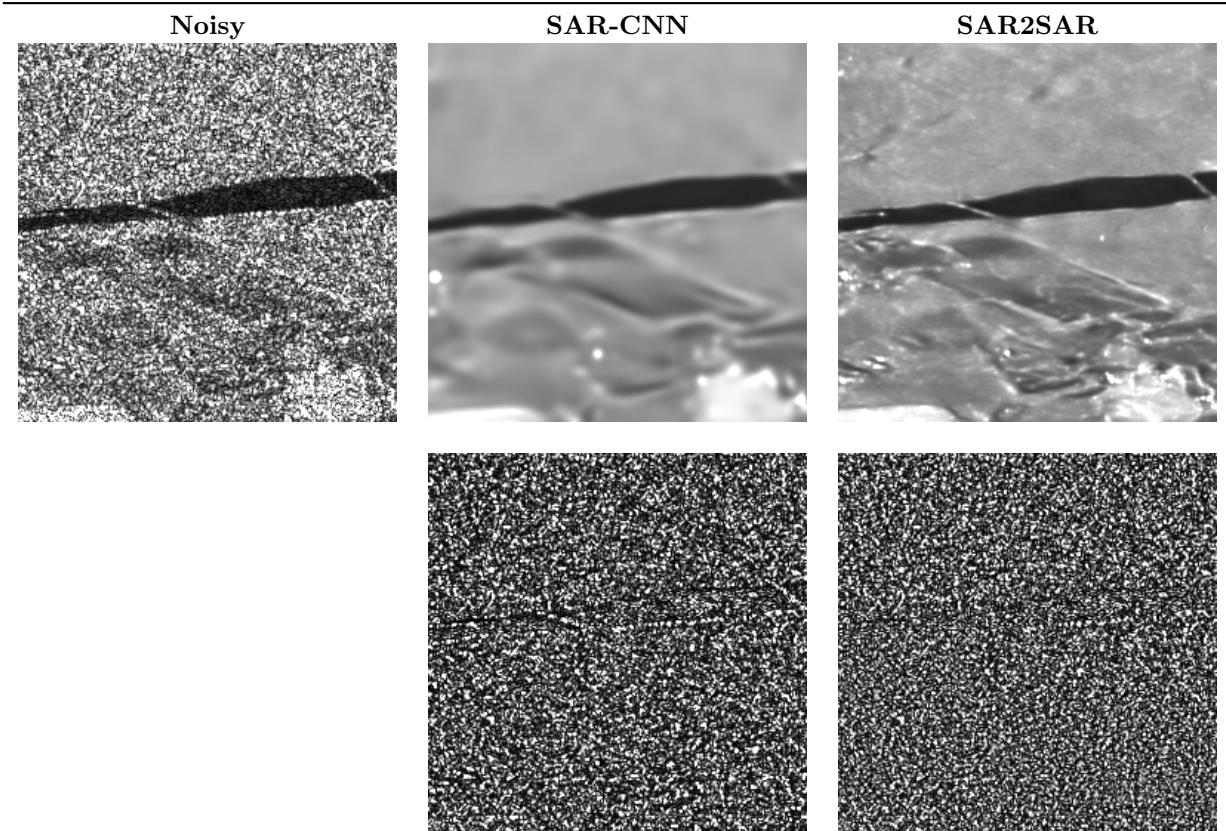
Results on Rambouillet, date 1



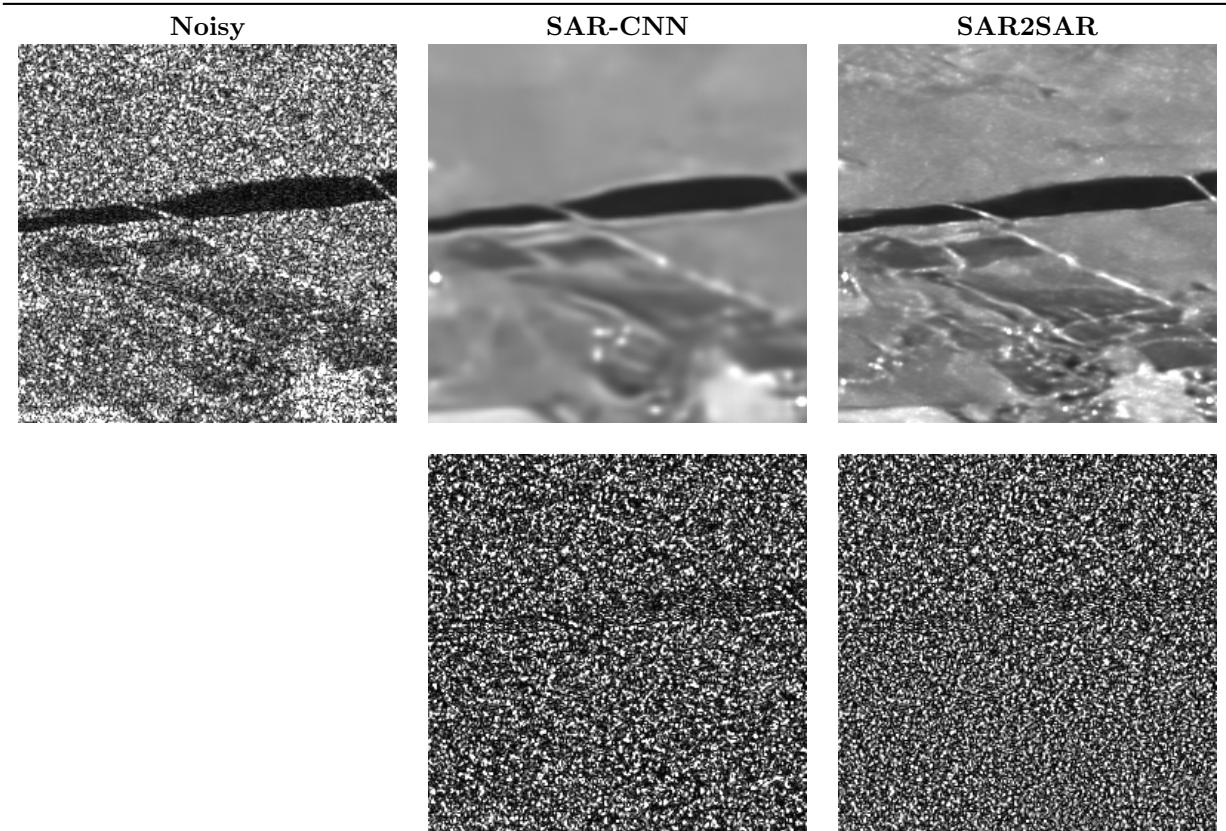
Results on Rambouillet, date 2



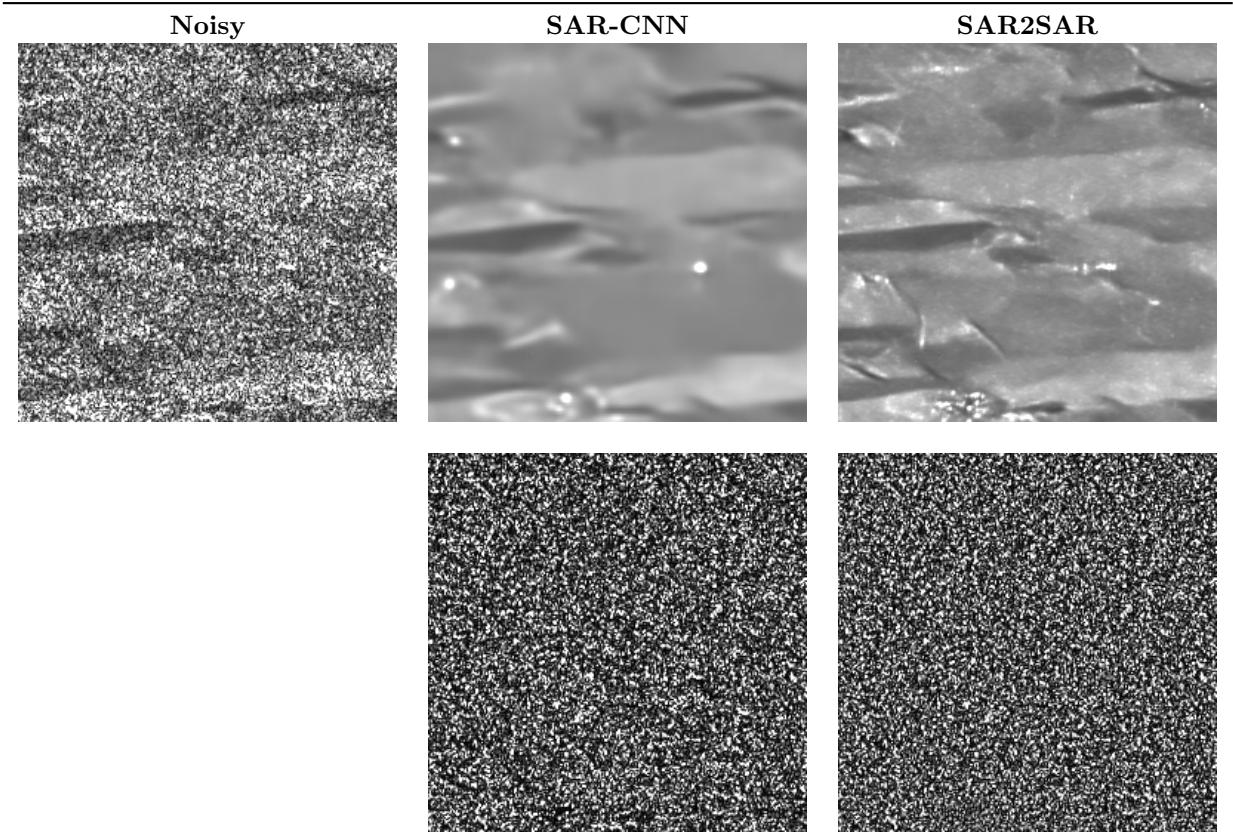
Results on Rambouillet, date 3



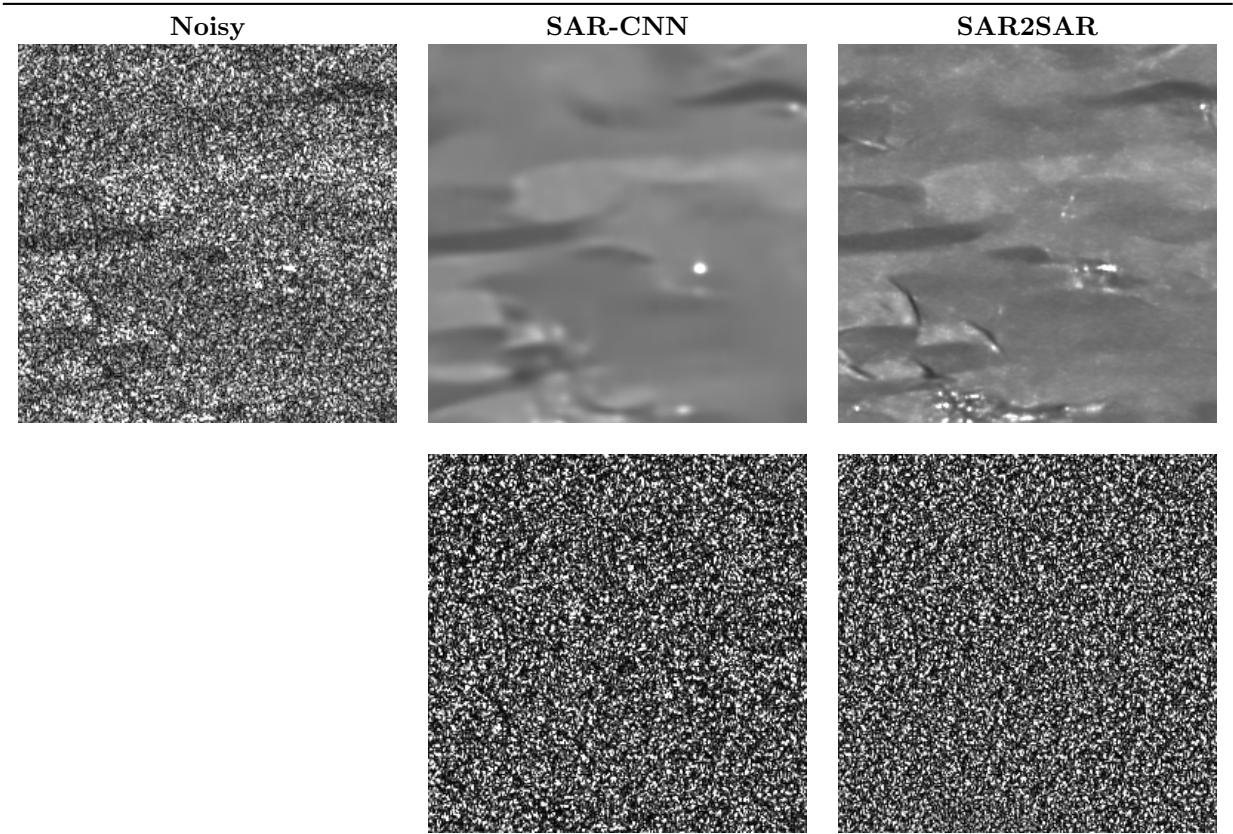
Results on Rambouillet, date 4



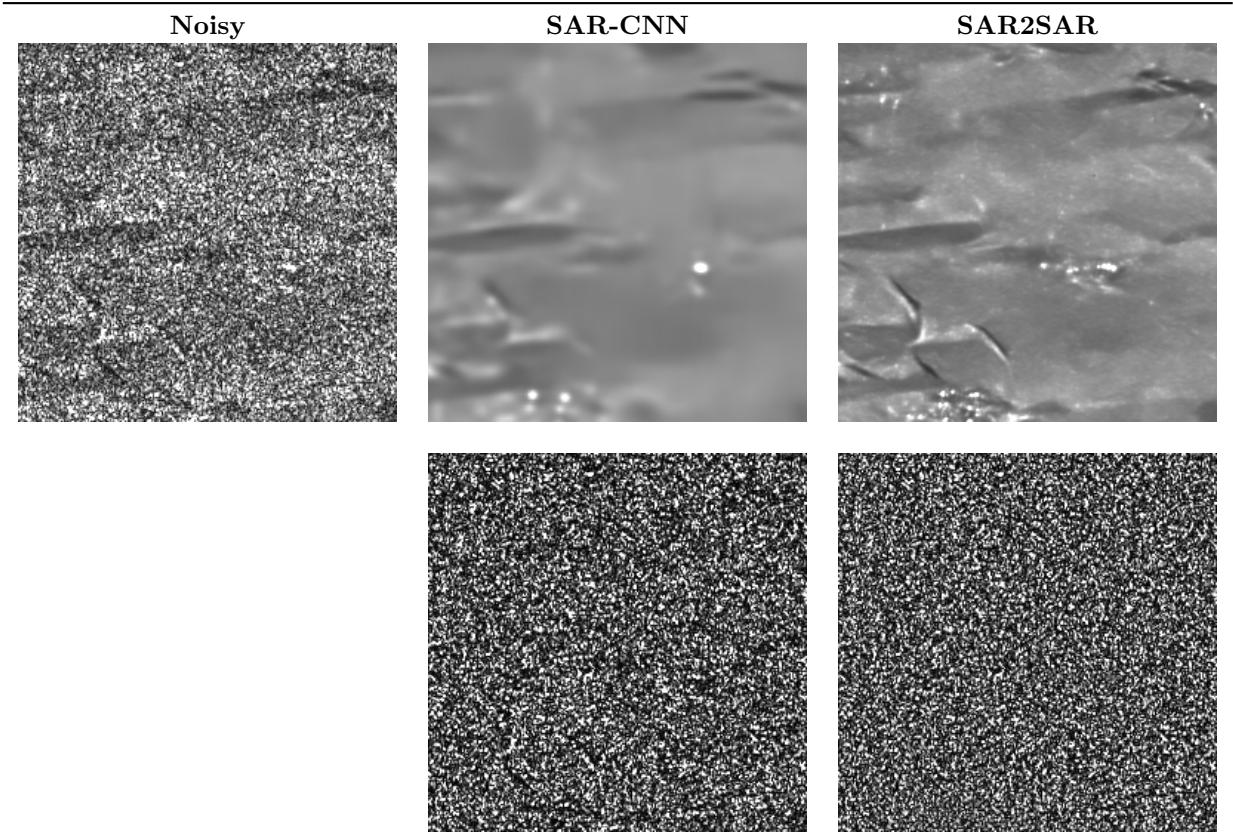
Results on Rambouillet, date 5



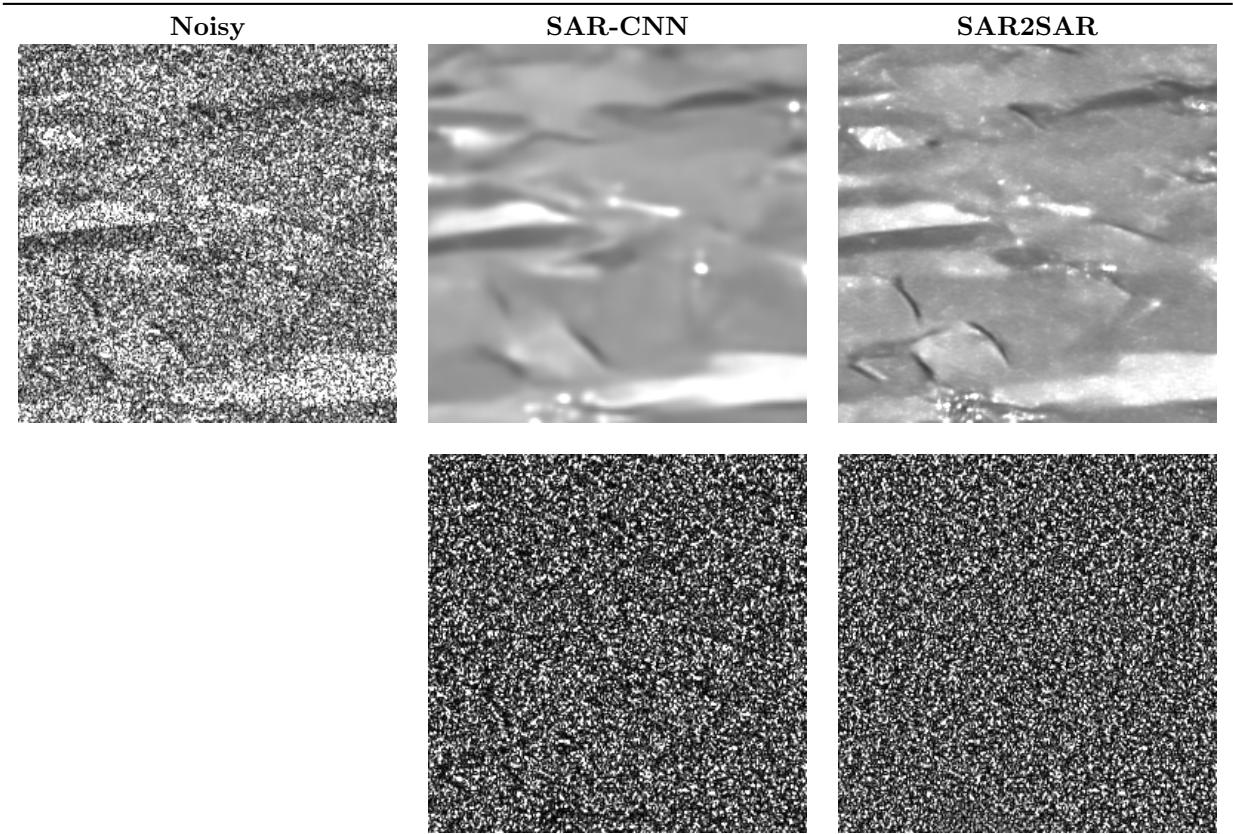
Results on Marais 2, date 1



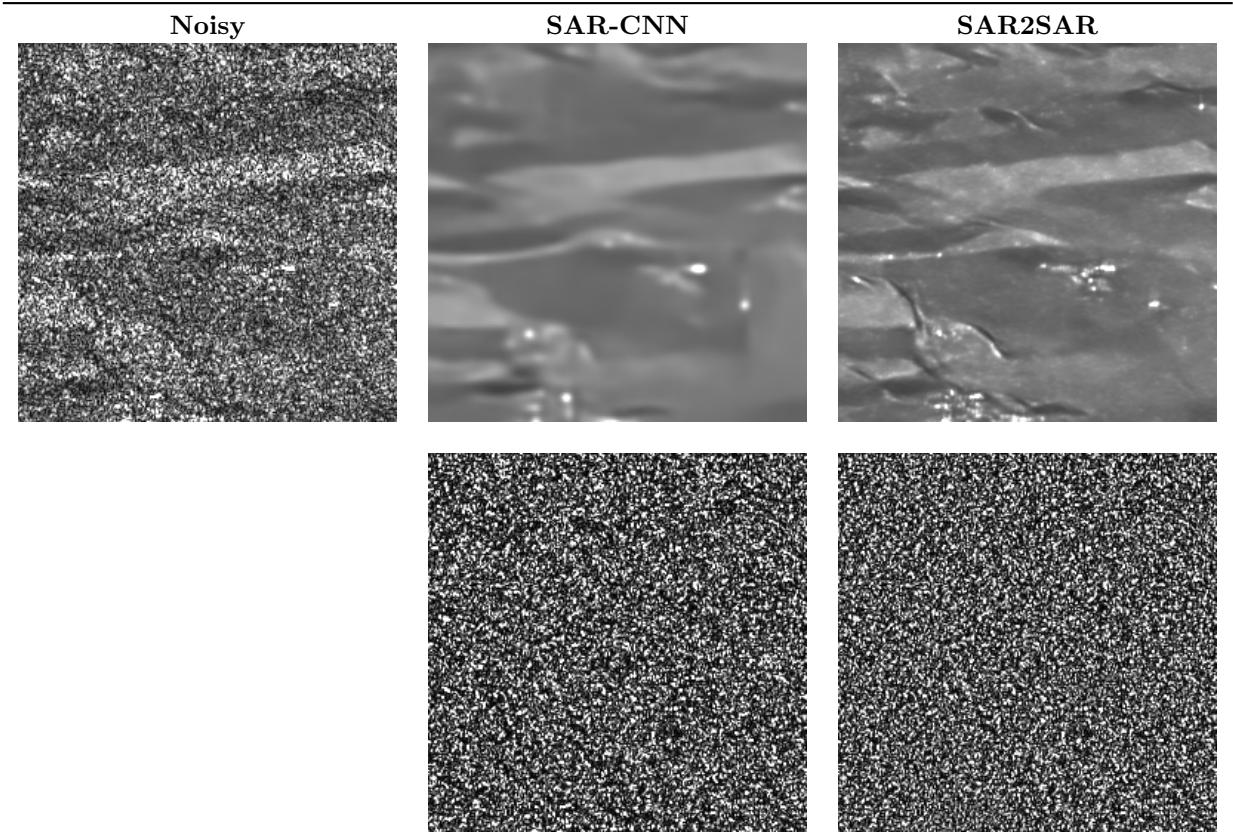
Results on Marais 2, date 2



Results on Marais 2, date 3



Results on Marais 2, date 4



Results on Marais 2, date 5

References

- [1] E. Dalsasso, X. Yang, L. Denis, F. Tupin, and W. Yang, “SAR Image Despeckling by Deep Neural Networks: from a pre-trained model to an end-to-end training strategy,” *Remote Sensing*, vol. 12, no. 16, p. 2636, 2020.
- [2] E. Dalsasso, L. Denis, and F. Tupin, “SAR2SAR: a self-supervised despeckling algorithm for SAR images,” *arXiv preprint arXiv:2006.15037*, 2020.