Report from the Short Term Mission – STM

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Report:

1. Topic

LOFAR DATA PROCESSING

2. Proposed and Performed Work

Proposed

[?] *The applicant will join re-processing effort of the LOFAR's Multi-frequency Snapshot Sky Survey (MSSS) and study in deep LOFAR data processing techniques and tools. In this context he will develop automated scripts for improving data retrieval. He will also exposed to data analysis.*

[?] ### *Performed*

[?] *Started to develop automated scripts for improving data retrieval, and creating environment for data processing. Discussed with MSSS project supervisor data processing strategy and tools that will be use in data processing.*

3. Cross-Disciplinarity

As VIRAC technical workers have relatively small experience with LOFAR data processing using AIPS, CASA, LOFAR specific tools and since in 2020 VIRAC will have LOFAR station, VIRAC will need LOFAR data experts.

[?] *This work is important for continuing the effort of transfer of knowledge related to LOFAR data processing, analyzing data from LOFAR station, interpreting data, and do science.*

4. Impact

Expanded practical experience and field of view of VIRAC staff knowledge will positively impact astronomical data processing including post correlation data analyses, scientific use of LOFAR station LOFAR network.

5. Publications

- in case of future publication - please provide additional information: place & date. Remember to insert the acknowledgment of the RadioNet support:

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