

# NIKA data meeting - 12/07/2011

- Context: define a global strategy to create complete and coherent data chain for NIKA, from acquisition to processing, that benefit from the knowledge and tools developed by the NIKA team and the 30m telescope staff.
- Mean: make NIKA and 30m specialists work together to merge both system into the foreseen coherent chain.
- Worked done so far in the merging process: merging NCS information broadcast by an Elvin server with the data stream acquired by NIKA (mainly Alain Benoit and Walter Burnswig); creation from the recorded NIKA data of FITs files that can be read and processed with a modified version of MOPSIC (François-Xavier Désert, Robert Zylka, Albrecht Sievers).
- Next steps: improve the interface between the instrument and the telescope (NCS information, pointing model,...), develop a reduction package (data format, automatic IMBFITs, generic processing functions, user interface...).
- Idea of the meeting: inform people who are or will be concern by the data part of the NIKA project about the current status and start to discuss the plans for the future, and in particular the things to do for data processing before the next run.

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- Confirmed participants to this meeting: W. Brunswig, F-X. Désert, C. Kramer, S. Leclercq, A. Monfardini, R. Neri, J. Pety, A. Sievers, R. Zylka
- Confirmed absentees to this meeting: A. Benoit, H. Ungerechts

To not be and be discussed in this meeting:

- Alain and Hans being absent we will not discuss the acquisition part neither the automatic creation of IMBFITs. ⇒ Another meeting will have to be organized in Autumn to address these questions (and report progresses on the data side).
- Inform the participants of the current status of the data formatting and processing (Xavier, Robert, Albrecht).
- Identify any possible problem or lack of information or misunderstanding with the data, and either fix them or define a plan to settle them, so that on the next run the processing is done smoother and quicker than previously.
- Define the basis of a long term strategy concerning the NIKA data formatting and processing more deeply than done until now.

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## **Important preliminary information:**

The **next run of NIKA** at the 30m telescope will occur from Tuesday the **18th of October** to Tuesday the **25th of October** (these are the dates for the observations, NIKA will be mounted in the cabin with a new cryocooler system one week before, the 12th of October).