

Presented by

F.Dezitter, Airbus

Prepared by

W.Strapp, Met Analytics ; T.Ratvasky, NASA ; A.Schwarzenboeck, CNRS ;
T.Bond, FAA ; F.Dezitter, Airbus



HAIC/HIWC Science Team Meeting

HAIC/HIWC International Field Campaign – Data sharing principals

HAIC/HIWC Science Team Meeting

Content

- Introduction
- Data sharing principals
- Conclusion & Way Forward

HAIC/HIWC Science Team Meeting

Introduction

- An **international HAIC/HIWC field campaign** planned in Darwin in Q1 2014 (2 months campaign / 200F/H incl. ferry flight) funded by several funding bodies (FP7, EASA, FAA)
- A **single HAIC/HIWC dataset** shared within HAIC/HIWC community for analysis and completion of industry/rulemaking and science objectives.
- Engineering Unit Data will be made available after processing of raw data by SAFIRE and instrument principal investigators (CNRS, NASA, ...)
- A **datasharing protocol** to be agreed upon and signed by all the parties
 - ▶ to ensure rapid dissemination of data and results within HAIC/HIWC,
 - ▶ to protect the data ownership of the contributing scientists, and
 - ▶ to ensure that project data are preserved and made available after the end of the project.

HAIC/HIWC Science Team Meeting

Data sharing protocol

- General Principals

- ▶ The data collected during the HAIC and HIWC F20 campaign will be gathered on a **common database** for secured, facilitated and enhanced availability.
- ▶ The HAIC and HIWC data and publication policy defines the **access rules** to the data in order to best accommodate the data provider and user expectations.
- ▶ HAIC and HIWC non public data are delivered to registered users only, for the sole purpose of **scientific/regulatory studies** designed to meet HAIC and HIWC objectives and educational activities related to the dissemination of HAIC and HIWC science.
- ▶ Commercial use and exploitation of HAIC and HIWC data are prohibited unless explicitly allowed by the data owner.
- ▶ The data received under the HAIC and HIWC policy shall **never be redistributed to a third party** without written permittance by the data owner.
- ▶ If data user make use of a dataset retrieved, he/she shall establish direct contacts with the principal investigator(s) of the data in order to offer collaboration. **Co-authorship of HAIC and HIWC dataset users and principal investigator(s) should be the rule for papers making use of HAIC and HIWC data.**

HAIC/HIWC Science Team Meeting

Data sharing protocol

- **Data access** is limited to undersigned of the data exchange protocol.
 - ▶ During the duration of 3 years after data deposit deadline on the database access is limited to core users being part of the HAIC & HIWC consortium.
 - ▶ 3 years after data delivery, data access is granted to every individual signing the data exchange protocol.
 - ▶ 6 years after data delivery the data are fully public

HAIC/HIWC Science Team Meeting

Conclusion & Way Forward

- Draft Data Sharing Protocol defined by CNRS
- Validation process to be launched soon before release within HAIC/HIWC
- It is expected Data Sharing Protocol signature process to be completed by Nov 2013.

BACK-UP

HAIC/HIWC Science Team Meeting

Introduction

- **Engineering Unit Data Analysis:**

- ▶ The analysis of the Falcon 20 data will be done based on analysis method(s) that will be cooperatively agreed upon by Alfons Schwarzenboeck, and potentially other of the HAIC science team members, and Walter Strapp (representing the HIWC partnership). All Falcon 20 raw data (except the iso-kinetic probe (IKP)) will be collected and analyzed by CNRS and HAIC community.
- ▶ The IKP data will be analyzed by Walter Strapp and Science Engineering Associates (SEA).
- ▶ All 150F/H of data will be analyzed together and converted from raw data to engineering unit data by the above parties using the agreed upon analysis methods.

HAIC/HIWC Science Team Meeting

Introduction

- **Regulatory Data Analysis:**

- ▶ All the engineering unit data will be analyzed by Walter Strapp for comparative evaluation with the Appendix D/P current engineering standards. This analysis will be reviewed by selected peers in HAIC and/or HIWC to critique the method and provide a confidence check.

- **Data Availability:**

- ▶ The full database will be combined together and used by the HAIC project.
- ▶ The database will be made available for the regulatory evaluation with full access to FAA and EASA
- ▶ The database will be made available to the HAIC/HIWC partners subject to datasharing protocol

High Altitude Ice Crystals (HAIC, 314314)

This document and the information contained are HAIC
Contractors' property and shall not be
copied or disclosed to any third party without HAIC
Contractors' prior written authorization

Project co-funded by the European Commission within the
Seventh Framework Programme (2012-2016)

