

Infrared Working Group Retrieval Code, SFIT

Introduction

Welcome to the Infrared Working Group (IRWG) wiki page for the SFIT retrieval code. This wiki contains information regarding the SFIT retrieval code including documentation, version history, and download links.

Latest Version V1.0.+

Go to [SFIT4 Version 1.0.+ Release](#)

Navigate space

[Expand all](#) [Collapse all](#)

Bug/Issue Reports

If you have a bug or issue to report or a question ask the development team:

[SFIT4 Dev Team](#)

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Recent Updates



[Updates in Prep for V1](#)

[release](#)

[James Hannigan](#) posted on Jun 12, 2020

June 2020 updates to core-code, linelist, ckopus, process environment are on going in May and June of 2020. As of June 12 we think the linelist is complete for the IRWG testing of HIT16 and ATM2020. core-code is going through final testing and is at v1.0.7, we are pushing out small edits so it is up to date and can be tested in its close to final version. Process environment works with v3 python and updates to GEOMS IRWG v003 template is in the pipeline. This will be required for uploads to the DHF in the near future.



[2019 SFIT4 Workshop](#)

[James Hannigan](#) posted on Nov 19, 2019

Was held in Boulder in November. Check it out [here](#)



[Updated Processing](#)

[Document](#)

[James Hannigan](#) posted on Jul 28, 2016

See Quick Tips page



[New Version of sfit4](#)

[Available](#)

[Eric Nussbaumer](#) posted on Jun 03, 2014

A new version of sfit4 is now available (v 9.4.4). This version fixes the calculation of the temperature derivatives and therefore the temperature uncertainties. See the versions.txt file for more information.



[Python GEOMS HDF](#)

[Program Now Available](#)

[Eric Nussbaumer](#) posted on Apr 04, 2014

We have developed Python code to write GEOMS format HDF files. This program along with a description and instructions can be found on the post-processing [page](#). Please give us your feedback on this program.



[Sfit4 Test Cases](#)

[Eric Nussbaumer](#) posted on Feb 13, 2014

Output files are now included with all the test cases. These files can be used to test your installation of sfit4.



[Server Back Up](#)

[Eric Nussbaumer](#) posted on Jan 29, 2014

Sfit version 9.4.3 is now available for download.



[Major Bug found in](#)

[version 9.4.2](#)

[Eric Nussbaumer](#) posted on Jan 28, 2014

Retrieval of the differential wave-shift (rt.dwshift) in version 9.4.2 does not work. This has been fixed in version 9.4.3. Please upgrade to this latest version.



[Server Temporarily Down](#)

[Eric Nussbaumer](#) posted on Jan 28, 2014

Our ftp server which hosts the sfit core code for downloading is temporary unavailable. The link to download the sfit core code is currently not working. This should be resolved in a couple of days.



[Updates to Layer1 and ckopus](#)

[James Hannigan](#) posted on Sep 18, 2013

Ckopus has been updated to include different possible Bruker data block time / zpd time offset accommodation. Layer1 has improved database reader and bug fixes.



[Layer1 Python Code Now Available](#)

[Eric Nussbaumer](#) posted on Jul 09, 2013
July 9th, 2013

Layer 1 python code is now available on the [Processing](#) wiki page. Included is a python wrapper for ckopus which helps create the spectral database file. You can find documentation within the code; however, full documentation will follow. Please send us your comments, suggestions, or if you find any bugs in the code.



[SFIT Wiki Opens](#)

[James Hannigan](#) posted on Jul 01, 2013

Sfit wiki is open to public!

Introduction email to sfit maillist [here](#).



[NDACC-IRWG TCCON](#)

[2013 Meeting](#)

[Eric Nussbaumer](#) posted on May 16, 2013

The 2013 combined NDACC-IRWG /TCCON meeting will be held from June 10-14 at the Hotel Abashirikoso in Abashiri-city, Hokkaido, Japan.

Training for SFIT4 will take place at this meeting.

For more information:[Conference Webpage Link](#)