



The Planck Legacy Archive

M. López-Caniego Planck Science Office ESA/ESAC

EUROPEAN SPACE AGENCY SCIENCE & TECHNOLOGY MLOPEZCA

Planck Legacy Archive



- Home
- Search
- Messages
- Chat
- User Profile
- Settings

WELCOME TO THE PLANCK LEGACY ARCHIVE

The Planck Legacy Archive provides online access to all official data products generated by the Planck mission.

LATEST NEWS

PLA 2.12 release
A new version of the PLA interface has been released today improving the user experience when searching for Planck products. Additional tools to facilitate the analysis of Planck data will become available in the coming weeks.

2017-06-14 PSO

PLANCK LEGACY ARCHIVE CONTENTS

- MAPS
- CATALOGUES
- COSMOLOGY
- TIMELINES AND RINGS
- SOFTWARE, BEAMS AND INSTRUMENT MODEL
- OPERATIONAL DATA
- PLANCK SKY MODEL

USEFUL INFORMATION

- EXPLANATORY SUPPLEMENT
- EXTERNAL DATA AND SOFTWARE
- COLLABORATION PAPERS
- USE OF PLANCK DATA
- UPDATE HISTORY
- PLANCK SCIENCE TEAM HOME
- HELPDESK

COPYRIGHT © EUROPEAN SPACE AGENCY. ALL RIGHTS RESERVED.



The Planck Legacy Archive



The PLA (<http://pla.esac.esa.int>) hosts the products from the Planck Mission.


EUROPEAN SPACE AGENCY SCIENCE & TECHNOLOGY MLOPEZCA

Planck Legacy Archive



WELCOME TO THE PLANCK LEGACY ARCHIVE

The Planck Legacy Archive provides online access to all official data products generated by the Planck mission.

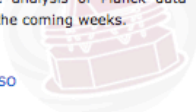


LATEST NEWS

PLA 2.12 release

A new version of the PLA interface has been released today improving the user experience when searching for Planck products. Additional tools to facilitate the analysis of Planck data will become available in the coming weeks.

2017-06-14 PSO



PLANCK LEGACY ARCHIVE CONTENTS

- MAPS**
- CATALOGUES**
- COSMOLOGY**
- TIMELINES AND RINGS**
- SOFTWARE, BEAMS AND INSTRUMENT MODEL**
- OPERATIONAL DATA**
- PLANCK SKY MODEL**

USEFUL INFORMATION

- EXPLANATORY SUPPLEMENT**
- EXTERNAL DATA AND SOFTWARE**
- COLLABORATION PAPERS**
- USE OF PLANCK DATA**
- UPDATE HISTORY**
- PLANCK SCIENCE TEAM HOME**
- HELPDESK**

COPYRIGHT © EUROPEAN SPACE AGENCY. ALL RIGHTS RESERVED.

The Planck Legacy Archive



The PLA (<http://pla.esac.esa.int>) hosts the products from the Planck Mission.

EUROPEAN SPACE AGENCY SCIENCE & TECHNOLOGY MLOPEZCA

Planck Legacy Archive

WELCOME TO THE PLANCK LEGACY ARCHIVE

The Planck Legacy Archive provides online access to all official data products generated by the Planck mission.

LATEST NEWS

PLA 2.12 release

A new version of the PLA interface has been released today improving the user experience when searching for Planck products. Additional tools to facilitate the analysis of Planck data will become available in the coming weeks.

2017-06-14 PSO

PLANCK LEGACY ARCHIVE CONTENTS

- MAPS**
- CATALOGUES**
- COSMOLOGY**
- TIMELINES AND RINGS**
- SOFTWARE, BEAMS AND INSTRUMENT MODEL**
- OPERATIONAL DATA**
- PLANCK SKY MODEL**

USEFUL INFORMATION

- EXPLANATORY SUPPLEMENT**
- EXTERNAL DATA AND SOFTWARE**
- COLLABORATION PAPERS**
- USE OF PLANCK DATA**
- UPDATE HISTORY**
- PLANCK SCIENCE TEAM HOME**
- HELPDESK**

COPYRIGHT © EUROPEAN SPACE AGENCY. ALL RIGHTS RESERVED.

The Planck Legacy Archive



Planck Legacy Archive



WELCOME TO THE PLANCK LEGACY ARCHIVE

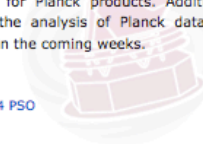
The Planck Legacy Archive provides online access to all official data products generated by the Planck mission.

LATEST NEWS

PLA 2.12 release

A new version of the PLA interface has been released today improving the user experience when searching for Planck products. Additional tools to facilitate the analysis of Planck data will become available in the coming weeks.

2017-06-14 PSO



PLANCK LEGACY ARCHIVE CONTENTS



MAPS



CATALOGUES



COSMOLOGY



TIMELINES AND RINGS



SOFTWARE, BEAMS AND INSTRUMENT MODEL



OPERATIONAL DATA



PLANCK SKY MODEL

USEFUL INFORMATION



EXPLANATORY SUPPLEMENT



EXTERNAL DATA AND SOFTWARE



COLLABORATION PAPERS



USE OF PLANCK DATA



UPDATE HISTORY



PLANCK SCIENCE TEAM HOME



HELPDESK

The Planck Legacy Archive: Timelines & Rings



EUROPEAN SPACE AGENCY SCIENCE & TECHNOLOGY

MLOPEZCA

Planck Legacy Archive



- Use the search panels below to retrieve timelines of calibrated data acquired by Planck. The timelines are arranged in files containing groups of detectors by observational day.
- Use the filters below to select timelines by time window and/or by region of the sky.
- The search will return all the files which contain the data requested. It is possible as well to retrieve files containing only the data requested.

SEARCH AND DOWNLOAD TIME-ORDERED DATA

Timelines Rings

[Explanatory Supplement](#)

Only legacy products

Release

Timelines type

- Science data
- Pointing
- TAI
- Baseline
- House keeping
- Any

Instrument

Frequency

HK category

SELECT SKY REGION

Name

Name for Radius

TIME FILTERS

Select

- Survey
- OD
- Calendar

Start time

End time

Submit

Clear

MAKE MAPS FROM TIME-ORDERED DATA

The Planck Legacy Archive: Timelines & Rings



esa

EUROPEAN SPACE AGENCY SCIENCE & TECHNOLOGY

MLOPEZCA

Planck Legacy Archive



esa



- Use the search panels below to retrieve timelines of calibrated data acquired by Planck. The timelines are arranged in files containing groups of detectors by observational day.
- Use the filters below to select timelines by time window and/or by region of the sky.
- The search will return all the files which contain the data requested. It is possible as well to retrieve files containing only the data requested.

SEARCH AND DOWNLOAD TIME-ORDERED DATA

Timelines Rings

[Explanatory Supplement](#)

Only legacy products

Release

Timelines type

- Science data
- Pointing
- TAI
- Baseline
- House keeping
- Any

Instrument

Frequency

HK category

SELECT SKY REGION

Name Equatorial Galactic

Name for Radius

TIME FILTERS

Select

- Survey
- OD
- Calendar

Start time

End time

MAKE MAPS FROM TIME-ORDERED DATA

The Planck Legacy Archive: Timelines & Rings

Planck Legacy Archive



RESULTS

Close All << < Timelines #3 > >>

SCIENCE TIMELINES (8267) X

































POINTING TIMELINES (5304) X

0 selected items

PR1 PR2 PR3

Explanatory Supplement 



<input type="checkbox"/>			File name	Size	Release	Type	SCI timeline type	Version number	Start time UTC	End time UTC
<input type="checkbox"/>			HFI_TOI_100-SCI_R2.02_OD0091.fits	577 MB	PR2	SCI	SCI	0	2009-08-12 11:12:58.0	2009-08-13 11:15:01.0
<input type="checkbox"/>			HFI_TOI_143-SCI_R2.00_OD0091.fits	282.6 MB	PR2	SCI	SCI	0	2009-08-12 11:12:58.0	2009-08-13 11:15:01.0
<input type="checkbox"/>			HFI_TOI_143-SCI_R2.02_OD0091.fits	753.6 MB	PR2	SCI	SCI	0	2009-08-12 11:12:58.0	2009-08-13 11:15:01.0
<input type="checkbox"/>			HFI_TOI_217-SCI_R2.00_OD0091.fits	341.5 MB	PR2	SCI	SCI	0	2009-08-12 11:12:58.0	2009-08-13 11:15:01.0
<input type="checkbox"/>			HFI_TOI_217-SCI_R2.02_OD0091.fits	812.5 MB	PR2	SCI	SCI	0	2009-08-12 11:12:58.0	2009-08-13 11:15:01.0
<input type="checkbox"/>			HFI_TOI_353-SCI_R2.00_OD0091.fits	812.5 MB	PR2	SCI	SCI	0	2009-08-12 11:12:58.0	2009-08-13 11:15:01.0
<input type="checkbox"/>			HFI_TOI_545-SCI_R2.00_OD0091.fits	282.6 MB	PR2	SCI	SCI	0	2009-08-12 11:12:58.0	2009-08-13 11:15:01.0
<input type="checkbox"/>			HFI_TOI_857-SCI_R2.00_OD0091.fits	341.5 MB	PR2	SCI	SCI	0	2009-08-12 11:12:58.0	2009-08-13 11:15:01.0
<input type="checkbox"/>			HFI_TOI_100-SCI_R2.02_OD0092.fits	729.4 MB	PR2	SCI	SCI	0	2009-08-13 11:15:01.0	2009-08-14 11:17:07.0
<input type="checkbox"/>			HFI_TOI_143-SCI_R2.00_OD0092.fits	357.2 MB	PR2	SCI	SCI	0	2009-08-13 11:15:01.0	2009-08-14 11:17:07.0
<input type="checkbox"/>			HFI_TOI_143-SCI_R2.02_OD0092.fits	952.7 MB	PR2	SCI	SCI	0	2009-08-13 11:15:01.0	2009-08-14 11:17:07.0
<input type="checkbox"/>			HFI_TOI_217-SCI_R2.00_OD0092.fits	431.7 MB	PR2	SCI	SCI	0	2009-08-13 11:15:01.0	2009-08-14 11:17:07.0
<input type="checkbox"/>			HFI_TOI_217-SCI_R2.02_OD0092.fits	1 GB	PR2	SCI	SCI	0	2009-08-13 11:15:01.0	2009-08-14 11:17:07.0
<input type="checkbox"/>			HFI_TOI_353-SCI_R2.00_OD0092.fits	1 GB	PR2	SCI	SCI	0	2009-08-13 11:15:01.0	2009-08-14 11:17:07.0
<input type="checkbox"/>			HFI_TOI_545-SCI_R2.00_OD0092.fits	357.2 MB	PR2	SCI	SCI	0	2009-08-13 11:15:01.0	2009-08-14 11:17:07.0

1 of 83 Page size: 100

Displaying 1-100 of 8267

The Planck Legacy Archive: Timelines & Rings

Planck Legacy Archive



RESULTS
Close All << < Timelines #3 > >>






SCIENCE TIMELINES (8267) X
POINTING TIMELINES (5304) X

































0 selected items

PR1

PR2

PR3

[Explanatory Supplement](#)






<input type="checkbox"/>			File name	Size	Release	Type	SCI timeline type	Version number	Start time UTC	End time UTC
<input type="checkbox"/>			HFI_TOI_100-SCI_R2.02_OD0091.fits	577 MB	PR2	SCI	SCI	0	2009-08-12 11:12:58.0	2009-08-13 11:15:01.0
<input type="checkbox"/>			HFI_TOI_143-SCI_R2.00_OD0091.fits	282.6 MB	PR2	SCI	SCI	0	2009-08-12 11:12:58.0	2009-08-13 11:15:01.0
<input type="checkbox"/>			HFI_TOI_143-SCI_R2.02_OD0091.fits	753.6 MB	PR2	SCI	SCI	0	2009-08-12 11:12:58.0	2009-08-13 11:15:01.0
<input type="checkbox"/>			HFI_TOI_217-SCI_R2.00_OD0091.fits	341.5 MB	PR2	SCI	SCI	0	2009-08-12 11:12:58.0	2009-08-13 11:15:01.0
<input type="checkbox"/>			HFI_TOI_217-SCI_R2.02_OD0091.fits	812.5 MB	PR2	SCI	SCI	0	2009-08-12 11:12:58.0	2009-08-13 11:15:01.0
<input type="checkbox"/>			HFI_TOI_353-SCI_R2.00_OD0091.fits	812.5 MB	PR2	SCI	SCI	0	2009-08-12 11:12:58.0	2009-08-13 11:15:01.0
<input type="checkbox"/>			HFI_TOI_545-SCI_R2.00_OD0091.fits	282.6 MB	PR2	SCI	SCI	0	2009-08-12 11:12:58.0	2009-08-13 11:15:01.0
<input type="checkbox"/>			HFI_TOI_857-SCI_R2.00_OD0091.fits	341.5 MB	PR2	SCI	SCI	0	2009-08-12 11:12:58.0	2009-08-13 11:15:01.0
<input type="checkbox"/>			HFI_TOI_100-SCI_R2.02_OD0092.fits	729.4 MB	PR2	SCI	SCI	0	2009-08-13 11:15:01.0	2009-08-14 11:17:07.0
<input type="checkbox"/>			HFI_TOI_143-SCI_R2.00_OD0092.fits	357.2 MB	PR2	SCI	SCI	0	2009-08-13 11:15:01.0	2009-08-14 11:17:07.0
<input type="checkbox"/>			HFI_TOI_143-SCI_R2.02_OD0092.fits	952.7 MB	PR2	SCI	SCI	0	2009-08-13 11:15:01.0	2009-08-14 11:17:07.0
<input type="checkbox"/>			HFI_TOI_217-SCI_R2.00_OD0092.fits	431.7 MB	PR2	SCI	SCI	0	2009-08-13 11:15:01.0	2009-08-14 11:17:07.0
<input type="checkbox"/>			HFI_TOI_217-SCI_R2.02_OD0092.fits	1 GB	PR2	SCI	SCI	0	2009-08-13 11:15:01.0	2009-08-14 11:17:07.0
<input type="checkbox"/>			HFI_TOI_353-SCI_R2.00_OD0092.fits	1 GB	PR2	SCI	SCI	0	2009-08-13 11:15:01.0	2009-08-14 11:17:07.0
<input type="checkbox"/>			HFI_TOI_545-SCI_R2.00_OD0092.fits	357.2 MB	PR2	SCI	SCI	0	2009-08-13 11:15:01.0	2009-08-14 11:17:07.0

1 of 83 Page size: 100
Displaying 1-100 of 8267

The Planck Legacy Archive: Timelines & Rings

EUROPEAN SPACE AGENCY  SCIENCE & TECHNOLOGY 

 MLOPEZCA

Planck Legacy Archive



- Use the panels below to request map making based on either Healpix ring maps or timelines.
- Use the filters below to select the time window and/or the region of the sky.
- The request will return a set of maps asynchronously.

SEARCH AND DOWNLOAD TIME-ORDERED DATA

MAKE MAPS FROM TIME-ORDERED DATA

[Explanatory Supplement](#)

GENERAL FILTERS

Category
 Rings-based map making
 Pixel averaging map making

Only legacy products

Instrument

Detector

Ring

Remove temperature monopole

Release

Frequency

Ordering

Create polarization maps

SELECT SKY REGION

- Full sky map produced using the selected sky region
 Projected map cutout of the selected sky region

Name

Name for

ROI width

Resolution

TIME FILTERS

Select

- Survey
 Calendar

Start time

End time

The Planck Legacy Archive



Planck Legacy Archive



WELCOME TO THE PLANCK LEGACY ARCHIVE

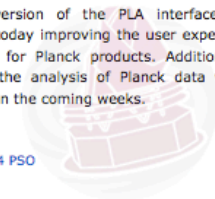
The Planck Legacy Archive provides online access to all official data products generated by the Planck mission.

LATEST NEWS

PLA 2.12 release

A new version of the PLA interface has been released today improving the user experience when searching for Planck products. Additional tools to facilitate the analysis of Planck data will become available in the coming weeks.

2017-06-14 PSO



PLANCK LEGACY ARCHIVE CONTENTS



MAPS



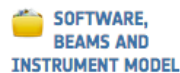
CATALOGUES



COSMOLOGY



TIMELINES AND RINGS



SOFTWARE, BEAMS AND INSTRUMENT MODEL



OPERATIONAL DATA



PLANCK SKY MODEL

USEFUL INFORMATION



EXPLANATORY SUPPLEMENT



EXTERNAL DATA AND SOFTWARE



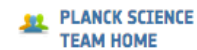
COLLABORATION PAPERS



USE OF PLANCK DATA



UPDATE HISTORY



PLANCK SCIENCE TEAM HOME



HELPDESK

The Planck Legacy Archive: Frequency Maps



Planck Legacy Archive



Search through all maps stored in the Planck Legacy Archive.

- Use the **matrix** for quick downloads and the **advanced search** facility to perform map operations and/or to download specific products.
- Use **Aladin Lite** to visualize the maps, or send them to external applications .
- From the advanced search, **click** on the icon to extract a region from all-sky maps.
- **Click** on the icon to extract a region from all-sky maps.
- **Click** on the icon to carry out operations (change units, colour correct, transform bandpass, etc) on the selected map(s) or sub-map(s).

MAPS

- Frequency maps**
- CMB maps
- Foreground maps
- Correction maps
- Masks
- Simulations
- DatesObs maps
- External maps

[Explanatory Supplement](#)

Only legacy products Release PR2 - 2015

- Light maps**
- Single-frequency
- Multi-detector
- Single-detector

	30GHz NS256	44GHz NS256	70GHz NS256	100GHz NS2048	143GHz NS2048	217GHz NS2048	353GHz NS2048	545GHz NS2048	857GHz NS2048
<input checked="" type="radio"/> BPL Corrected <input type="radio"/> BPL Uncorrected									
FULL MISSION	(9 MB)	(9 MB)	(9 MB)	(576 MB)	(576 MB)	(576 MB)	(576 MB)	(192 MB)	(192 MB)

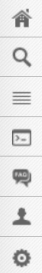
ADVANCED SEARCH & MAP OPERATIONS

OPERATIONS ON RESTRICTED MAP SETS

The Planck Legacy Archive: CMB Maps



Planck Legacy Archive



Search through all maps stored in the Planck Legacy Archive.

- Use the **matrix** for quick downloads and the **advanced search** facility to perform map operations and/or to download specific products.
- Use **Aladin Lite** to visualize the maps, or send them to external applications .
- From the advanced search, **click** on the icon to extract a region from all-sky maps.
- **Click** on the icon to extract a region from all-sky maps.
- **Click** on the icon to carry out operations (change units, colour correct, transform bandpass, etc) on the selected map(s) or sub-map(s).

MAPS

- Frequency maps
- CMB maps**
- Foreground maps
- Correction maps
- Masks
- Simulations
- DatesObs maps
- External maps

[Explanatory Supplement](#)

Only legacy products Release PR2 - 2015

- SMICA**
- Commander
- NILC
- SEVEM
- Fgsub-sevem
- Common masks

	IQU NS1024	INS2048
FULL MISSION	(168 MB)	(240 MB)
FULL MISSION RINGHALF-1	(144 MB)	(192 MB)
FULL MISSION RINGHALF-2	(144 MB)	(192 MB)
HALF MISSION-1	(144 MB)	(192 MB)
HALF MISSION-2	(144 MB)	(192 MB)

The Planck Legacy Archive: Foreground Maps



EUROPEAN SPACE AGENCY SCIENCE & TECHNOLOGY

MLOPEZCA

Planck Legacy Archive



Search through all maps stored in the Planck Legacy Archive.

- Use the **matrix** for quick downloads and the **advanced search** facility to perform map operations and/or to download specific products.
- Use **Aladin Lite** to visualize the maps, or send them to external applications .
- From the advanced search, **click** on the icon to extract a region from all-sky maps.
- **Click** on the icon to extract a region from all-sky maps.
- **Click** on the icon to carry out operations (change units, colour correct, transform bandpass, etc) on the selected map(s) or sub-map(s).

MAPS

Frequency maps CMB maps **Foreground maps** Correction maps Masks Simulations DatesObs maps External maps

[Explanatory Supplement](#)

Only legacy products Release: PR2 - 2015

AME CIB CO Compton-SZmap **Dust** CMB-subtracted maps Free-free ISW Synchrotron SZ Xline

RESULTS

0 selected items

PR1 PR2 PR3

	Description	Map name	Method	Size
<input type="checkbox"/>	Thermal dust emission map from COMMANDER	COM_CompMap_dust-commander_0256_R2.00.fits	commander	27 MB
<input type="checkbox"/>	Polarized thermal dust emission from COMMANDER	COM_CompMap_DustPol-commander_1024_R2.00.fits	commander	672 MB
<input type="checkbox"/>	High-resolution thermal dust emission map from COMMANDER	COM_CompMap_ThermalDust-commander_2048_R2.00.fits	commander	2.6 GB
<input type="checkbox"/>	Visible extinction maps from the Draine & Li thermal dust emission modelling	COM_CompMap_Dust-DL07-AvMaps_2048_R2.00.fits	dl07	768 MB

The Planck Legacy Archive: Foreground Maps



Planck Legacy Archive



- Search through all maps stored in the Planck Legacy Archive.
- Use the **matrix** for quick downloads and the **advanced search** facility to perform map operations and/or to download specific products.
 - Use **Aladin Lite** to visualize the maps, or send them to external applications .
 - From the advanced search, **click** on the icon to extract a region from all-sky maps.
 - **Click** on the icon to extract a region from all-sky maps.
 - **Click** on the icon to carry out operations (change units, colour correct, transform bandpass, etc) on the selected map(s) or sub-map(s).

MAPS

Frequency maps CMB maps Foreground maps Correction maps **Masks** Simulations DatesObs maps External maps

[Explanatory Supplement](#)

Only legacy products Release: PR2 - 2015

Dust Galactic plane Point sources CMB PCCS Likelihood Power Spectrum Power Spectrum Power Spectrum Lensing SZ Compton

RESULTS

0 selected items






PR1 PR2 PR3

				Description	Size	NSide	Map name
<input type="checkbox"/>				2015 100 GHz (P70) apodized polarization Galactic plane mask used in the Likelihood analysis, where 30% of the sky has been masked.	192 MB	2048	COM_Mask_Likelihood-polarization-100_2048_R2.00.fits
<input type="checkbox"/>				2015 143 GHz (P50) apodized polarization Galactic plane mask used in the Likelihood analysis, where 50% of the sky has been masked.	192 MB	2048	COM_Mask_Likelihood-polarization-143_2048_R2.00.fits
<input type="checkbox"/>				2015 217 GHz (P41) apodized polarization Galactic plane mask used in the Likelihood analysis, where 41% of the sky has been masked.	192 MB	2048	COM_Mask_Likelihood-polarization-217_2048_R2.00.fits
<input type="checkbox"/>				2015 100 GHz (T66) apodized temperature point source and Galactic plane mask used in the Likelihood analysis, where 66% of the sky has been left unmasked.	192 MB	2048	COM_Mask_Likelihood-temperature-100_2048_R2.00.fits

The Planck Legacy Archive: Foreground Maps

Planck Legacy Archive

Search through all maps stored in the Planck Legacy Archive.

- Use the **matrix** for quick downloads and the **advanced search** facility to perform map operations and/or to download specific products.
- Use **Aladin Lite**  to visualize the maps, or send them to external applications .
- From the advanced search, **click** on the  icon to extract a region from all-sky maps.
- **Click** on the  icon to extract a region from all-sky maps.
- **Click** on the  icon to carry out operations (change units, colour correct, transform bandpass, etc) on the selected map(s) or sub-map(s).

MAPS

Frequency maps CMB maps Foreground maps Correction maps Masks **Simulations** DatesObs maps External maps

[Explanatory Supplement](#) 

Only legacy products Release PR2 - 2015 

CMB

Foreground

Noise






Sky

RESULTS

0 selected items

 PR1  PR2  PR3



<input type="checkbox"/>		File name	Size	Monte-Carlo realizat	Version	Period	Frequency	CMB type	Component
<input type="checkbox"/>		HFI_SimMap_cmb-ffp9-scl-100-0000_2048_R2.00_full.fits	576 MB	0	ffp9	Full	100	scl	NA
<input type="checkbox"/>		HFI_SimMap_cmb-ffp9-scl-100-0001_2048_R2.00_full.fits	576 MB	1	ffp9	Full	100	scl	NA
<input type="checkbox"/>		HFI_SimMap_cmb-ffp9-scl-100-0002_2048_R2.00_full.fits	576 MB	2	ffp9	Full	100	scl	NA
<input type="checkbox"/>		HFI_SimMap_cmb-ffp9-scl-100-0003_2048_R2.00_full.fits	576 MB	3	ffp9	Full	100	scl	NA

The Planck Legacy Archive: External Maps



Planck Legacy Archive



Search through all maps stored in the Planck Legacy Archive.

- Use the **matrix** for quick downloads and the **advanced search** facility to perform map operations and/or to download specific products.
- Use **Aladin Lite** to visualize the maps, or send them to external applications.
- From the advanced search, **click** on the icon to extract a region from all-sky maps.
- **Click** on the icon to extract a region from all-sky maps.
- **Click** on the icon to carry out operations (change units, colour correct, transform bandpass, etc) on the selected map(s) or sub-map(s).

MAPS

Frequency maps CMB maps Foreground maps Correction maps Masks Simulations DatesObs maps **External maps**

RESULTS

0 selected items

PR1 PR2 PR3

				Description	Map name	NSide	Size	
<input type="checkbox"/>					Improved Haslam et al. 408 MHz radio continuum all-sky map desourced and destriped (http://www.jb.man.ac.uk/research/cosmos/haslam_map/)	haslam408_dsds_Remazeilles2014.fits	512	12 MB
<input type="checkbox"/>					Combined IRIS+SDF 100 microns map (as described in Planck 2014 results. XI. All-sky model of thermal dust emission, A&A, 2016, A11, 37)	IRIS_combined_SFD_really_nohole_4_2048.fi	2048	192 MB
<input type="checkbox"/>					Combined IRIS+SDF 100 microns map (as described in Planck 2014 results. XI. All-sky model of thermal dust emission, A&A, 2016, A11, 37. Note that the point sources have been removed from this map ...)	IRIS_combined_SFD_really_nohole_nosource.	2048	192 MB
<input type="checkbox"/>					IRIS 12 microns full resolution infrared maps (Improved Reprocessing of the IRAS Survey;	IRIS_nohole_1_2048.fits	2048	192 MB

1 of 1 Page size: 100

Displaying 1-13 of 13

ADVANCED SEARCH & MAP OPERATIONS

OPERATIONS ON RESTRICTED MAP SETS

The Planck Legacy Archive: Foreground Maps



Planck Legacy Archive



Search through all maps stored in the Planck Legacy Archive.

- Use the **matrix** for quick downloads and the **advanced search** facility to perform map operations and/or to download specific products.
- Use **Aladin Lite** to visualize the maps, or send them to external applications.
- From the advanced search, **click** on the icon to extract a region from all-sky maps.
- **Click** on the icon to extract a region from all-sky maps.
- **Click** on the icon to carry out operations (change units, colour correct, transform bandpass, etc) on the selected map(s) or sub-map(s).

MAPS

Frequency maps CMB maps **Foreground maps** Correction maps Masks Simulations DatesObs maps External maps

[Explanatory Supplement](#)

Only legacy products Release PR2 - 2015

AME CIB CO Compton-SZmap **Dust** CMB-subtracted maps Free-free ISW Synchrotron SZ Xline

RESULTS

0 selected items

PR1 PR2 PR3

	Description	Map name	Method	Size
<input type="checkbox"/>	Thermal dust emission map from COMMANDER	COM_CompMap_dust-commander_0256_R2.00.fits	commander	27 MB
<input type="checkbox"/>	Polarized thermal dust emission from COMMANDER	COM_CompMap_DustPol-commander_1024_R2.00.fits	commander	672 MB
<input type="checkbox"/>	High-resolution thermal dust emission map from COMMANDER	COM_CompMap_ThermalDust-commander_2048_R2.00.fits	commander	2.6 GB
<input type="checkbox"/>	Visible extinction maps from the Draine & Li thermal dust emission modelling	COM_CompMap_Dust-DL07-AvMaps_2048_R2.00.fits	dl07	768 MB

The Planck Legacy Archive



PR2 - 2015 MAPS

Frequency maps | CMB maps | **Foreground maps** | Correction maps | Masks | Simulations | DatesObs maps | External maps

[Explanatory Supplement](#)

Thermal dust emission

File name: [COM_CompMap_dust-commander_0256_R2.00.fits](#)

Nside = 256

Angular resolution = 60 arcmin

Reference frequency: 545 GHz

HDU -- COMP-MAP-dust

Column Name	Data Type	Units	Description
L_ML	Real*4	uK_RJ	Amplitude posterior maximum
L_MEAN	Real*4	uK_RJ	Amplitude posterior mean
L_RMS	Real*4	uK_RJ	Amplitude posterior rms
TEMP_ML	Real*4	K	Dust temperature posterior maximum
TEMP_MEAN	Real*4	K	Dust temperature posterior mean
TEMP_RMS	Real*4	K	Dust temperature posterior rms

AME | CIB | CO | Compton-SZmap | **Dust** | CMB-subtracted maps | Free-free | ISW | Synchrotron | SZ | Xline

RESULTS

0 selected items

Description	Map name	Method	Size
Thermal dust emission map from COMMANDER	COM_CompMap_dust-commander_0256_R2.00.fits	commander	27 MB
Polarized thermal dust emission from COMMANDER	COM_CompMap_DustPol-commander_1024_R2.00.fits	commander	672 MB
High-resolution thermal dust emission map from COMMANDER	COM_CompMap_ThermalDust-commander_2048_R2.00.fits	commander	2.6 GB



The Planck Legacy Archive: Advanced Search



Planck Legacy Archive



Search through all maps stored in the Planck Legacy Archive.

- Use the **matrix** for quick downloads and the **advanced search** facility to perform map operations and/or to download specific products.
- Use **Aladin Lite** to visualize the maps, or send them to external applications .
- From the advanced search, **click** on the icon to extract a region from all-sky maps.
- **Click** on the icon to extract a region from all-sky maps.
- **Click** on the icon to carry out operations (change units, colour correct, transform bandpass, etc) on the selected map(s) or sub-map(s).

MAPS

ADVANCED SEARCH & MAP OPERATIONS

Map search **Simulated maps search**

[Explanatory Supplement](#)

- Map Type**
- All
 - Frequency
 - CMB
 - Foreground
 - Correction
 - Mask
 - DatesObs

Only legacy products

Only last version maps

Category

Release

Light map

Nside

File name

e.g. File name (wildcard=%)

Instrument

Frequency

Period

Bandpass corrected

Zodi corr

Ring half

Include detector maps

Include detector set maps

Submit **Clear**






OPERATIONS ON RESTRICTED MAP SETS

The Planck Legacy Archive: Advanced Search

Planck Legacy Archive



Search through all maps stored in the Planck Legacy Archive.

- Use the **matrix** for quick downloads and the **advanced search** facility to perform map operations and/or to download specific products.
- Use **Aladin Lite**  to visualize the maps, or send them to external applications .
- From the advanced search, **click** on the  icon to extract a region from all-sky maps.
- **Click** on the  icon to extract a region from all-sky maps.
- **Click** on the  icon to carry out operations (change units, colour correct, transform bandpass, etc) on the selected map(s) or sub-map(s).

MAPS

ADVANCED SEARCH & MAP OPERATIONS


Map search **Simulated maps search**


[Explanatory Supplement](#) 


Map Type


- All
- Frequency
- CMB
- Foreground
- Correction
- Mask
- DatesObs

Only legacy products Only last version maps


Category 


Release 


Light map 


Nside 


File name
e.g. File name (wildcard=%)


Instrument 

Frequency 

Period 

Bandpass corrected 

Zodi corr 

Ring half 

Include detector maps

Include detector set maps

 **Submit**  **Clear**






OPERATIONS ON RESTRICTED MAP SETS

The Planck Legacy Archive: Advanced Search

Planck Legacy Archive



Search through all maps stored in the Planck Legacy Archive.

- Use the **matrix** for quick downloads and the **advanced search** facility to perform map operations and/or to download specific products.
- Use **Aladin Lite**  to visualize the maps, or send them to external applications .
- From the advanced search, **click** on the  icon to extract a region from all-sky maps.
- **Click** on the  icon to extract a region from all-sky maps.
- **Click** on the  icon to carry out operations (change units, colour correct, transform bandpass, etc) on the selected map(s) or sub-map(s).

MAPS

ADVANCED SEARCH & MAP OPERATIONS

Map search **Simulated maps search**

[Explanatory Supplement](#) 

- Map Type**
- All
 - Frequency
 - CMB
 - Foreground
 - Correction
 - Mask
 - DatesObs

Only legacy products

Release

Only last version maps

Category

Light map

Nside

File name

e.g. File name (wildcard=%)

Instrument

Frequency

Period

Bandpass corrected

Zodi corr

Ring half

Include detector maps

Include detector set maps

 **Submit**  **Clear**

OPERATIONS ON RESTRICTED MAP SETS

The Planck Legacy Archive: Advanced Search



Planck Legacy Archive



RESULTS Close All << < Maps #1 > >>

FREQUENCY MAPS (44) X

0 selected items

PR1 PR2 PR3 Explanatory Supplement fb ✂ 🛒 📄 📺 📡

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Map name	Size	Frequency	Period	BPassCorrected	Zodicorrected	Ringhalf	Instrument	NSide	R
<input type="checkbox"/>					HFI_SkyMap_545_2048_R3.00_full.fits	384 MB	545	Full	yes	no	N/A	HFI	2048	
<input type="checkbox"/>					HFI_SkyMap_857_2048_R3.00_full.fits	384 MB	857	Full	yes	no	N/A	HFI	2048	
<input type="checkbox"/>					LFI_SkyMap_030-field-IQU_1024_R2.01_full.fits	144 MB	30	Full	no	no	N/A	LFI	1024	
<input type="checkbox"/>					LFI_SkyMap_030-BPassCorrected_0256_R2.01_full.fits	21 MB	30	Full	yes	no	N/A	LFI	256	
<input type="checkbox"/>					LFI_SkyMap_030_1024_R2.01_full.fits	480 MB	30	Full	no	no	N/A	LFI	1024	
<input type="checkbox"/>					LFI_SkyMap_030-BPassCorrected-field-IQU_0256_R2.01_full.fits	9 MB	30	Full	yes	no	N/A	LFI	256	
<input type="checkbox"/>					LFI_SkyMap_044-field-IQU_1024_R2.01_full.fits	144 MB	44	Full	no	no	N/A	LFI	1024	
<input type="checkbox"/>					LFI_SkyMap_044_1024_R2.01_full.fits	480 MB	44	Full	no	no	N/A	LFI	1024	
<input type="checkbox"/>					LFI_SkyMap_044-BPassCorrected-field-IQU_0256_R2.01_full.fits	9 MB	44	Full	yes	no	N/A	LFI	256	
<input type="checkbox"/>					LFI_SkyMap_044-BPassCorrected_0256_R2.01_full.fits	21 MB	44	Full	yes	no	N/A	LFI	256	
<input type="checkbox"/>					LFI_SkyMap_070_1024_R2.01_full.fits	480 MB	70	Full	no	no	N/A	LFI	1024	
<input type="checkbox"/>					LFI_SkyMap_070-BPassCorrected_0256_R2.01_full.fits	21 MB	70	Full	yes	no	N/A	LFI	256	
<input type="checkbox"/>					LFI_SkyMap_070_2048_R2.01_full.fits	1.9 GB	70	Full	no	no	N/A	LFI	2048	
<input type="checkbox"/>					LFI_SkyMap_070-field-IQU_1024_R2.01_full.fits	144 MB	70	Full	no	no	N/A	LFI	1024	
<input type="checkbox"/>					LFI_SkyMap_070-field-IQU_2048_R2.01_full.fits	576 MB	70	Full	no	no	N/A	LFI	2048	

Page 1 of 1 Page size: 100

Displaying 1-44 of 44

The Planck Legacy Archive: Advanced Search



Planck Legacy Archive



RESULTS

Close All << < Maps #1 > >>

FREQUENCY MAPS (44) ✕

0 selected items PR1 PR2 PR3 Explanatory Supplement

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Map name	Size	Frequency	Period	BPassCorrected	Zodicorrected	Ringhalf	Instrument	NSide	R
<input type="checkbox"/>					HFI_SkyMap_545_2048_R3.00_full.fits	384 MB	545	Full	yes	no	N/A	HFI	2048	
<input type="checkbox"/>					HFI_SkyMap_857_2048_R3.00_full.fits	384 MB	857	Full	yes	no	N/A	HFI	2048	
<input type="checkbox"/>					LFI_SkyMap_030-field-IQU_1024_R2.01_full.fits	144 MB	30	Full	no	no	N/A	LFI	1024	
<input type="checkbox"/>					LFI_SkyMap_030-BPassCorrected_0256_R2.01_full.fits	21 MB	30	Full	yes	no	N/A	LFI	256	
<input type="checkbox"/>					LFI_SkyMap_030_1024_R2.01_full.fits	480 MB	30	Full	no	no	N/A	LFI	1024	
<input type="checkbox"/>					LFI_SkyMap_030-BPassCorrected-field-IQU_0256_R2.01_full.fits	9 MB	30	Full	yes	no	N/A	LFI	256	
<input type="checkbox"/>					LFI_SkyMap_044-field-IQU_1024_R2.01_full.fits	144 MB	44	Full	no	no	N/A	LFI	1024	
<input type="checkbox"/>					LFI_SkyMap_044_1024_R2.01_full.fits	480 MB	44	Full	no	no	N/A	LFI	1024	
<input type="checkbox"/>					LFI_SkyMap_044-BPassCorrected-field-IQU_0256_R2.01_full.fits	9 MB	44	Full	yes	no	N/A	LFI	256	
<input type="checkbox"/>					LFI_SkyMap_044-BPassCorrected_0256_R2.01_full.fits	21 MB	44	Full	yes	no	N/A	LFI	256	
<input type="checkbox"/>					LFI_SkyMap_070_1024_R2.01_full.fits	480 MB	70	Full	no	no	N/A	LFI	1024	
<input type="checkbox"/>					LFI_SkyMap_070-BPassCorrected_0256_R2.01_full.fits	21 MB	70	Full	yes	no	N/A	LFI	256	
<input type="checkbox"/>					LFI_SkyMap_070_2048_R2.01_full.fits	1.9 GB	70	Full	no	no	N/A	LFI	2048	
<input type="checkbox"/>					LFI_SkyMap_070-field-IQU_1024_R2.01_full.fits	144 MB	70	Full	no	no	N/A	LFI	1024	
<input type="checkbox"/>					LFI_SkyMap_070-field-IQU_2048_R2.01_full.fits	576 MB	70	Full	no	no	N/A	LFI	2048	

1 of 1 Page size: 100
Displaying 1-44 of 44







The Planck Legacy Archive: Advanced Search

EUROPEAN SPACE AGENCY  SCIENCE & TECHNOLOGY 

 MLOPEZCA

Planck Legacy Archive



Location
Frame
Projection


DSS
 SDSS
 2MASS
 WISE
 GALEX
 PLANCK
 AKARI
 XMM
 Fermi
 Gaia
 Simbad
 NED
 +

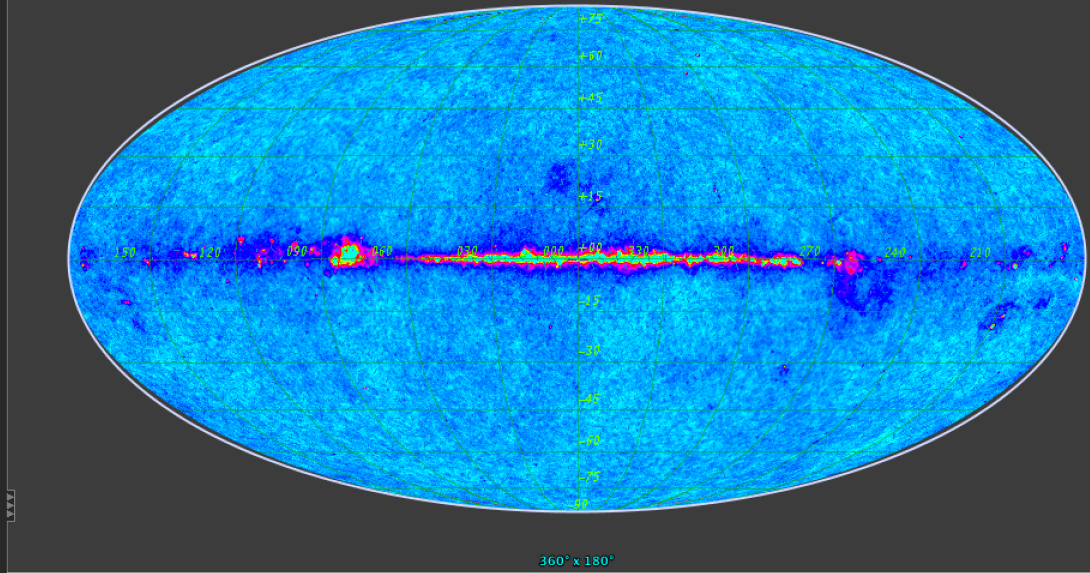
ALADIN

RESULT

FREQUENCY

0 selected

-  LSTOKES



360° x 180°

select

pan

dist

phot

draw

tag

mac

spect

filter

epoch

size

dens.

cross

opac.

zoom

x-y

rgb

assoc

crop

cont

pixel

prop

del

Side

R

- LFI_SkyMap_044-field-IQU_1024_R2 2048
- Polarisation 2048
- U_STOKES 2048
- Q_STOKES 1024
- L_STOKES 1024
- COM_PCCS_030_R2.04 256

epoch

size

dens.

cross

opac.

zoom

x-y

rgb

assoc

crop

cont

pixel

prop

del

NAME	GLON	GLAT	RA	DEC	DETFLUX	APERFLUX	PSFFLUX	GAUFLUX
PCCS2_03...	301.3349...	-24.3629...	165.0265...	-86.8831...	387.9269...	84.44865...	1199.539...	371.7873...
PCCS2_03...	302.1390...	-20.4150...	186.5265...	-83.2477...	541.3810...	82.59971...	811.3687...	597.6882...
PCCS2_03...	308.2510...	-22.0319...	237.5028...	-82.9756...	1025.372...	90.98071...	972.2041...	350.4664...
PCCS2_03...	308.3989...	-23.1090...	244.9730...	-83.6252...	370.0822...	87.56758...	470.0057...	340.1170...
PCCS2_03...	311.1530...	-19.4770...	230.1923...	-79.7587...	503.0530...	82.23161...	226.0610...	227.4487...

23 sel / 1560 src 26fps / 1401Mb

Page size:

Displaying 1-44 of 44

The Planck Legacy Archive: Advanced Search



EUROPEAN SPACE AGENCY SCIENCE & TECHNOLOGY

MLOPEZCA

Planck Legacy Archive



Location: Frame: Gal Projection: Sinus

★DSS ★SDSS ★2MASS ★WISE ★GALEX ★PLANCK ★AKARI ★XMM ★Fermi ★Gaia ★Simbad ★NED +

RESULTS

FREQUENCY

0 selected

ALADIN

L_STOKES

360° x 180°

Adjust the visible area (click & drag + mouse wheel)

Search

0 sel / 1560 src 17fps / 776Mb

© 2017 Université de Strasbourg/CNRS - by CDS - Distributed under GNU GPL v3

Displaying 1-44 of 44

Side R

LFI_SkyMap_044-field-IQU_1024_R2	2048
Polarisation	2048
U_STOKES	2048
Q_STOKES	1024
L_STOKES	1024
COM_PCCS_030_R2.04	256
filter	1024
size	1024
dens.	256
cross	256
opac.	1024
zoom	1024
x-y	1024
rgb	1024
assoc	256
crop	256
cont	1024
pixel	256
prop	2048
del	1024
	2048







The Planck Legacy Archive: Synchronous tools


















































































Planck Legacy Archive



RESULTS Close All << < Maps #2 > >>

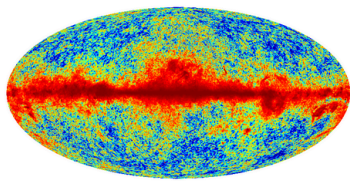
FREQUENCY MAPS (44) X

0 selected items PR1 PR2 PR3 [Explanatory Supplement](#)      

<input type="checkbox"/>					Map name	Size	Frequency	Period	BPas
<input type="checkbox"/>					HFI_SkyMap_545_2048_R3.00_full.fits	384 MB	545	Full	
<input type="checkbox"/>					HFI_SkyMap_857_2048_R3.00_full.fits	384 MB	857	Full	
<input type="checkbox"/>					LFI_SkyMap_030-field-IQU_1024_R2.01_full.fits	144 MB	30	Full	
<input type="checkbox"/>					LFI_SkyMap_030-BPassCorrected_0256_R2.01_full.fits	21 MB	30	Full	
<input type="checkbox"/>					LFI_SkyMap_030_1024_R2.01_full.fits	480 MB	30	Full	
<input type="checkbox"/>					LFI_SkyMap_030-BPassCorrected-field-IQU_0256_R2.01_full.fits	9 MB	30	Full	
<input type="checkbox"/>					LFI_SkyMap_044-field-IQU_1024_R2.01_full.fits	144 MB	44	Full	
<input type="checkbox"/>					LFI_SkyMap_044_1024_R2.01_full.fits	480 MB	44	Full	
<input type="checkbox"/>					LFI_SkyMap_044-BPassCorrected-field-IQU_0256_R2.01_full.fits	9 MB	44	Full	
<input type="checkbox"/>					LFI_SkyMap_044-BPassCorrected_0256_R2.01_full.fits	21 MB	44	Full	
<input type="checkbox"/>					LFI_SkyMap_070_1024_R2.01_full.fits	480 MB	70	Full	
<input type="checkbox"/>					LFI_SkyMap_070-BPassCorrected_0256_R2.01_full.fits	21 MB	70	Full	
<input type="checkbox"/>					LFI_SkyMap_070_2048_R2.01_full.fits	1.9 GB	70	Full	
<input type="checkbox"/>					LFI_SkyMap_070-field-IQU_1024_R2.01_full.fits	144 MB	70	Full	
<input type="checkbox"/>					LFI_SkyMap_070-field-IQU_2048_R2.01_full.fits	576 MB	70	Full	
<input type="checkbox"/>					LFI_SkyMap_070-BPassCorrected_0256_R2.01_full.fits				

Page 1 of 1 Page size: 100 Displaying 1-44 of 44

Q LFI_SkyMap_030_1024_R2.01_full.fits X



summary **headers** [Explanatory Supplement](#)

XTENSION	'BINTABLE' / binary table extension
BITPIX	8 / 8-bit bytes
NAXIS	2 / 2-dimensional binary table
NAXIS1	40 / width of table in bytes
NAXIS2	12582912 / number of rows in table
PCOUNT	0 / size of special data area
GCOUNT	1 / one data group (required keyword)
TFIELDS	10 / number of fields in each row
TTYPE1	'I_Stokes' / label for field 1
TFORM1	'E ' / data format of field: 4-byte REAL
TUNIT1	'K_CMB ' / physical unit of field
TTYPE2	'Q_Stokes' / label for field 2
TFORM2	'E ' / data format of field: 4-byte REAL

The Planck Legacy Archive: Synchronous tools



EUROPEAN SPACE AGENCY SCIENCE & TECHNOLOGY

MLOPEZCA

Planck Legacy Archive



RESULTS

FREQUENCY MAPS (44)

0 selected items

<input type="checkbox"/>					HFI_SkyMa
<input type="checkbox"/>					HFI_SkyMa
<input type="checkbox"/>					LFI_SkyMap field-IQ
<input type="checkbox"/>					LFI_SkyMap
<input type="checkbox"/>					LFI_SkyMap field-IQ
<input type="checkbox"/>					LFI_SkyMap
<input type="checkbox"/>					LFI_SkyMap field-IQ
<input type="checkbox"/>					LFI_SkyMap
<input type="checkbox"/>					LFI_SkyMap field-IQ
<input type="checkbox"/>					LFI_SkyMap
<input type="checkbox"/>					LFI_SkyMap field-IQ
<input type="checkbox"/>					LFI_SkyMap
<input type="checkbox"/>					LFI_SkyMap field-IQ
<input type="checkbox"/>					LFI_SkyMap
<input type="checkbox"/>					LFI_SkyMap field-IQ
<input type="checkbox"/>					LFI_SkyMap
<input type="checkbox"/>					LFI_SkyMap field-IQ
<input type="checkbox"/>					LFI_SkyMap
<input type="checkbox"/>					LFI_SkyMap field-IQ
<input type="checkbox"/>					LFI_SkyMap

Page size: 100

Details for LFI_SkyMap_Q30-field-IQU_1024_R2.01_full.fits

The Planck Legacy Archive: Synch tools



Planck Legacy Archive



RESULTS Close All << < **Maps #1** > >>

FREQUENCY MAPS (44) 0 selected items PR1 PR2 PR3 Explanatory Supplement fit ✂ 🛒 📄 📧 📡

		Map name	Size	Frequency	Period	BPas
<input type="checkbox"/>		HFI_SkyMap_545_2048_R3.00_full.fits	384 MB	545	Full	
<input type="checkbox"/>		HFI_SkyMap_857_2048_R3.00_full.fits	384 MB	857	Full	
<input type="checkbox"/>		LFI_SkyMap_030-field-IQU_1024_R2.01_full.fits	144 MB	30	Full	
<input type="checkbox"/>		LFI_SkyMap_030-BPassCorrected_0256_R2.01_full.fits	21 MB	30	Full	
<input type="checkbox"/>		LFI_SkyMap_030_1024_R2.01_full.fits	480 MB	30	Full	
<input type="checkbox"/>		LFI_SkyMap_030-BPassCorrected-field-IQU_0256_R2.01_full.fits	9 MB	30	Full	
<input type="checkbox"/>		LFI_SkyMap_044-field-IQU_1024_R2.01_full.fits	144 MB	44	Full	
<input type="checkbox"/>		LFI_SkyMap_044_1024_R2.01_full.fits	480 MB	44	Full	
<input type="checkbox"/>		LFI_SkyMap_044-BPassCorrected-field-IQU_0256_R2.01_full.fits	9 MB	44	Full	
<input type="checkbox"/>		LFI_SkyMap_044-BPassCorrected_0256_R2.01_full.fits	21 MB	44	Full	
<input type="checkbox"/>		LFI_SkyMap_070_1024_R2.01_full.fits	480 MB	70	Full	
<input type="checkbox"/>		LFI_SkyMap_070-BPassCorrected_0256_R2.01_full.fits	21 MB	70	Full	
<input type="checkbox"/>		LFI_SkyMap_070_2048_R2.01_full.fits	1.9 GB	70	Full	
<input type="checkbox"/>		LFI_SkyMap_070-field-IQU_1024_R2.01_full.fits	144 MB	70	Full	
<input type="checkbox"/>		LFI_SkyMap_070-field-IQU_2048_R2.01_full.fits	576 MB	70	Full	

Page 1 of 1 | Page size: 100 | Displaying 1-44 of 44

Map cutout

Perform a gnomonic re-projection of a cutout area of LFI_SkyMap_030-field-IQU_1024_R2.01_full.fits. Cutout settings can be modified modified using the panels below. The map itself can be modified using the "Map Operations" panel - in BETA release.

MAP EXTENSIONS AND COLUMNS

Extension: NoName | Columns: Multiple

CENTER OF MAP CUT-OUT

MAP CUTOUT SETTINGS

MAP OPERATIONS (BETA)

Columns: I_STOKES, Q_STOKES, U_STOKES

- Component Subtraction
- Unit Conversion
- Bandpass Transformation
- Colour Correction
- Masking
- Error Estimation

Applicable only for Unit Conversion, Bandpass Transformation, and Color Correction.

No operations have been selected.

The Planck Legacy Archive: Synch tools



Planck Legacy Archive



RESULTS Close All << < Maps #1 > >>

FREQUENCY MAPS (44) X

0 selected items PR1 PR2 PR3 [Explanatory Supplement](#) [fwi](#) [✂](#) [🛒](#) [📄](#) [📧](#) [📡](#)

	Map name	Size	Frequency	Period	BPas
<input type="checkbox"/>	HFI_SkyMap_545_2048_R3.00_full.fits	384 MB	545	Full	
<input type="checkbox"/>	HFI_SkyMap_857_2048_R3.00_full.fits	384 MB	857	Full	
<input type="checkbox"/>	LFI_SkyMap_030-field-IQU_1024_R2.01_full.fits	144 MB	30	Full	
<input type="checkbox"/>	LFI_SkyMap_030-BPassCorrected_0256_R2.01_full.fits	21 MB	30	Full	
<input type="checkbox"/>	LFI_SkyMap_030_1024_R2.01_full.fits	480 MB	30	Full	
<input type="checkbox"/>	LFI_SkyMap_030-BPassCorrected-field-IQU_0256_R2.01_full.fits	9 MB	30	Full	
<input type="checkbox"/>	LFI_SkyMap_044-field-IQU_1024_R2.01_full.fits	144 MB	44	Full	
<input type="checkbox"/>	LFI_SkyMap_044_1024_R2.01_full.fits	480 MB	44	Full	
<input type="checkbox"/>	LFI_SkyMap_044-BPassCorrected-field-IQU_0256_R2.01_full.fits	9 MB	44	Full	
<input type="checkbox"/>	LFI_SkyMap_044-BPassCorrected_0256_R2.01_full.fits	21 MB	44	Full	
<input type="checkbox"/>	LFI_SkyMap_070_1024_R2.01_full.fits	480 MB	70	Full	
<input type="checkbox"/>	LFI_SkyMap_070-BPassCorrected_0256_R2.01_full.fits	21 MB	70	Full	
<input type="checkbox"/>	LFI_SkyMap_070_2048_R2.01_full.fits	1.9 GB	70	Full	
<input type="checkbox"/>	LFI_SkyMap_070-field-IQU_1024_R2.01_full.fits	144 MB	70	Full	
<input type="checkbox"/>	LFI_SkyMap_070-field-IQU_2048_R2.01_full.fits	576 MB	70	Full	

1 of 1 Page size: 100 Displaying 1-44 of 44

Map cutout X

MAP OPERATIONS (BETA)

Columns: I_STOKES, Q_STOKES, U_STOKES

Component Subtraction

- CMB**
Subtract the CMB component as defined below:
Release: PR2
- Synchrotron
 - Commander
 - Smica
 - Nilc
 - Sevem
- Free-free
- Spinning Dust
Input NSide: 1024
Available NSide: 1024
- Thermal Dust
- SZ
- Line Emission
- CIB

Unit Conversion

Bandpass Transformation

Colour Correction

Masking

The Planck Legacy Archive: Asynch tools









Planck Legacy Archive



RESULTS Close All << < Maps #1 > >>

FREQUENCY MAPS (44) X

1 selected items PR1 PR2 PR3 Explanatory Supplement      

	Map name	Size	Frequency	Period	BPas
<input type="checkbox"/>	HFI_SkyMap_545_2048_R3.00_full.fits	384 MB	545	Full	
<input type="checkbox"/>	HFI_SkyMap_857_2048_R3.00_full.fits	384 MB	857	Full	
<input checked="" type="checkbox"/>	LFI_SkyMap_030-field-IQU_1024_R2.01_full.fits	144 MB	30	Full	
<input type="checkbox"/>	LFI_SkyMap_030-BPassCorrected_0256_R2.01_full.fits	21 MB	30	Full	
<input type="checkbox"/>	LFI_SkyMap_030_1024_R2.01_full.fits	480 MB	30	Full	
<input type="checkbox"/>	LFI_SkyMap_030-BPassCorrected-field-IQU_0256_R2.01_full.fits	9 MB	30	Full	
<input type="checkbox"/>	LFI_SkyMap_044-field-IQU_1024_R2.01_full.fits	144 MB	44	Full	
<input type="checkbox"/>	LFI_SkyMap_044_1024_R2.01_full.fits	480 MB	44	Full	
<input type="checkbox"/>	LFI_SkyMap_044-BPassCorrected-field-IQU_0256_R2.01_full.fits	9 MB	44	Full	
<input type="checkbox"/>	LFI_SkyMap_044-BPassCorrected_0256_R2.01_full.fits	21 MB	44	Full	
<input type="checkbox"/>	LFI_SkyMap_070_1024_R2.01_full.fits	480 MB	70	Full	
<input type="checkbox"/>	LFI_SkyMap_070-BPassCorrected_0256_R2.01_full.fits	21 MB	70	Full	
<input type="checkbox"/>	LFI_SkyMap_070_2048_R2.01_full.fits	1.9 GB	70	Full	
<input type="checkbox"/>	LFI_SkyMap_070-field-IQU_1024_R2.01_full.fits	144 MB	70	Full	
<input type="checkbox"/>	LFI_SkyMap_070-field-IQU_2048_R2.01_full.fits	576 MB	70	Full	

Map conversions X

Perform several operations on the selected maps. Operation parameters can be defined using the panels below. If any operation other than masking is selected, only the signal columns (IQU) will be included in the output. Operations on PR3 maps are currently only partially enabled.

- Component Subtraction
- Unit Conversion
- Bandpass Transformation
- Colour Correction
- Masking

Job name: Full Map Operation Submit Clear

1 of 1 Page size: 100 Displaying 1-44 of 44

The Planck Legacy Archive: Asynch tools



Planck Legacy Archive

RESULTS Close All << < Maps #1 > >>

FREQUENCY MAPS (44) X

1 selected items PR1 PR2 PR3 Explanatory Supplement freq % Shopping cart Print Share

	Map name	Size	Frequency	Period	BPas
<input type="checkbox"/>	HFI_SkyMap_545_2048_R3.00_full.fits	384 MB	545	Full	
<input type="checkbox"/>	HFI_SkyMap_857_2048_R3.00_full.fits	384 MB	857	Full	
<input checked="" type="checkbox"/>	LFI_SkyMap_030-field-IQU_1024_R2.01_full.fits	144 MB	30	Full	
<input type="checkbox"/>	LFI_SkyMap_030-BPassCorrected_0256_R2.01_full.fits	21 MB	30	Full	
<input type="checkbox"/>	LFI_SkyMap_030_1024_R2.01_full.fits	480 MB	30	Full	
<input type="checkbox"/>	LFI_SkyMap_030-BPassCorrected-field-IQU_0256_R2.01_full.fits	9 MB	30	Full	
<input type="checkbox"/>	LFI_SkyMap_044-field-IQU_1024_R2.01_full.fits	144 MB	44	Full	
<input type="checkbox"/>	LFI_SkyMap_044_1024_R2.01_full.fits	480 MB	44	Full	
<input type="checkbox"/>	LFI_SkyMap_044-BPassCorrected-field-IQU_0256_R2.01_full.fits	9 MB	44	Full	
<input type="checkbox"/>	LFI_SkyMap_044-BPassCorrected_0256_R2.01_full.fits	21 MB	44	Full	
<input type="checkbox"/>	LFI_SkyMap_070_1024_R2.01_full.fits	480 MB	70	Full	
<input type="checkbox"/>	LFI_SkyMap_070-BPassCorrected_0256_R2.01_full.fits	21 MB	70	Full	
<input type="checkbox"/>	LFI_SkyMap_070_2048_R2.01_full.fits	1.9 GB	70	Full	
<input type="checkbox"/>	LFI_SkyMap_070-field-IQU_1024_R2.01_full.fits	144 MB	70	Full	
<input type="checkbox"/>	LFI_SkyMap_070-field-IQU_2048_R2.01_full.fits	576 MB	70	Full	

Map conversions X

Perform several operations on the selected maps. Operation parameters can be defined using the panels below. If any operation other than masking is selected, only the signal columns (IQU) will be included in the output. Operations on PR3 maps are currently only partially enabled.

- Component Subtraction
- Unit Conversion
- Bandpass Transformation
- Colour Correction
- Masking

Job name: Full Map Operation Submit Clear

1 of 1 Page size: 100 Displaying 1-44 of 44

The Planck Legacy Archive



Planck Legacy Archive



WELCOME TO THE PLANCK LEGACY ARCHIVE

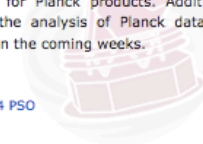
The Planck Legacy Archive provides online access to all official data products generated by the Planck mission.

LATEST NEWS

PLA 2.12 release

A new version of the PLA interface has been released today improving the user experience when searching for Planck products. Additional tools to facilitate the analysis of Planck data will become available in the coming weeks.

2017-06-14 PSO



PLANCK LEGACY ARCHIVE CONTENTS



MAPS



CATALOGUES



COSMOLOGY



TIMELINES AND RINGS



SOFTWARE, BEAMS AND INSTRUMENT MODEL



OPERATIONAL DATA



PLANCK SKY MODEL

USEFUL INFORMATION



EXPLANATORY SUPPLEMENT



EXTERNAL DATA AND SOFTWARE



COLLABORATION PAPERS



USE OF PLANCK DATA



UPDATE HISTORY



PLANCK SCIENCE TEAM HOME

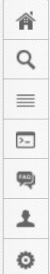


HELPDESK

The Planck Legacy Archive: Catalogues



Planck Legacy Archive



• Query or download any of the catalogues in the Planck Legacy Archive. There are different types of catalogues available:

- **ERCSC** Early Release Compact Source Catalogue
- **PCCS** Planck Catalogue of Compact Sources
- **SZ** Sunyaev-Zel'dovich Galaxy Cluster Catalogue
- **PGCC** Galactic Cold Clump Catalogue
- **PHZ** List of high-redshift source candidates

◦ By **clicking** the ('+') icon the catalogue associated products will be displayed in a tree format

• In order to download the products associated to a given catalogue (SZ selection function, exclusion masks, etc.):

- First select the catalogue or "source list".
- Then **click** on the "Linked items" () icon. You will be provided with a tarball containing all the associated products.

CATALOGUES

[Explanatory Supplement](#)

Only legacy products Release PR3 - 2017

PCCS

PGCC

PHZ

PSZ

All catalogues

RESULTS

0 selected items PR1 PR2 PR3

				Description	Frequency	Source size	File name
<input type="checkbox"/>				2015 30 GHz second Planck catalogue of compact sources (PCCS2)	30	331.9 KB	COM_PCCS_030_R2.04.fits
<input type="checkbox"/>				2015 44 GHz second Planck catalogue of compact sources (PCCS2)	44	205.3 KB	COM_PCCS_044_R2.04.fits
<input type="checkbox"/>				2015 70 GHz second Planck catalogue of compact sources (PCCS2)	70	278.4 KB	COM_PCCS_070_R2.04.fits
	<input type="checkbox"/>			2015 100 GHz second Planck compact source exclusion catalogue (PCCS2E)	100	587.8 KB	COM_PCCS_100-excluded_R2.01.fits

The Planck Legacy Archive: Catalogues



Planck Legacy Archive



-
-
-
-
-
-

TOPCAT
le:

Table List

2: COM_PCCS_030_R2.04.fits

Current Table Properties

Label: COM_PCCS_030_R2.04.fits

Location: PLA:COM_PCCS_030_R2.04.fits

Name: COM_PCCS_030_R2.04.fits

Rows: 1.560

Columns: 35

Sort Order:

Row Subset: All

Activation Action: (no action) Broadcast Row

TOPCAT(2): Table Browser

Table Browser for 2: COM_PCCS_030_R2.04.fits

	NAME	GLON	GLAT	RA	DEC	DETFLUX
1	PCCS2 030 G000.07-00.06	0,067	-0,059	266,5024	-28,90969	2,2261
2	PCCS2 030 G000.07+81.65	0,068	81,651	200,43978	22,39725	408,8:
3	PCCS2 030 G000.16-12.70	0,163	-12,701	279,71334	-34,76243	430,3:
4	PCCS2 030 G000.52-58.35	0,518	-58,345	337,71353	-39,68064	579,7:
5	PCCS2 030 G000.67-42.84	0,674	-42,842	317,39516	-41,17454	715,9:
6	PCCS2 030 G001.40+45.99	1,4	45,986	229,17612	0,25933	1575,1:
7	PCCS2 030 G001.58-28.96	1,576	-28,963	299,50451	-38,75532	1854,1:
8	PCCS2 030 G002.28+65.92	2,277	65,92	214,00663	13,3652	645,8:
9	PCCS2 030 G002.38+05.86	2,382	5,856	262,29718	-23,79634	1824,7:
10	PCCS2 030 G002.46+61.45	2,464	61,454	217,63752	10,65554	473,3:
11	PCCS2 030 G003.21-00.07	3,212	-0,07	268,33644	-26,21737	16537,
12	PCCS2 030 G003.45+80.50	3,451	80,5	201,78517	22,17523	975,6:
13	PCCS2 030 G004.14+35.54	4,138	35,538	238,55476	-4,80624	482,8:
14	PCCS2 030 G004.46-62.04	4,456	-62,045	341,80165	-36,99157	795,6:
15	PCCS2 030 G004.52+06.81	4,518	6,808	262,68129	-21,49688	1992,7

Explanatory Supplement

-2017

RESULTS

0 selected items

- 2015 30 GHz second Planck catalo
- 2015 44 GHz second Planck catalo
- 2015 70 GHz second Planck catalo
- 2015 100 GHz second Planck comj

PCCS

The Planck Legacy Archive



Planck Legacy Archive



WELCOME TO THE PLANCK LEGACY ARCHIVE

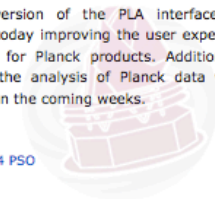
The Planck Legacy Archive provides online access to all official data products generated by the Planck mission.

LATEST NEWS

PLA 2.12 release

A new version of the PLA interface has been released today improving the user experience when searching for Planck products. Additional tools to facilitate the analysis of Planck data will become available in the coming weeks.

2017-06-14 PSO



PLANCK LEGACY ARCHIVE CONTENTS



MAPS



CATALOGUES



COSMOLOGY



TIMELINES AND RINGS



SOFTWARE, BEAMS AND INSTRUMENT MODEL



OPERATIONAL DATA



PLANCK SKY MODEL

USEFUL INFORMATION



EXPLANATORY SUPPLEMENT



EXTERNAL DATA AND SOFTWARE



COLLABORATION PAPERS



USE OF PLANCK DATA



UPDATE HISTORY



PLANCK SCIENCE TEAM HOME



HELPDESK

The Planck Legacy Archive: Cosmology



Planck Legacy Archive



Browse cosmology products of the Planck Legacy Archive.

COSMOLOGY PRODUCTS

[Explanatory Supplement](#)

Only legacy products Release PR2 - 2015

- [Cosmological parameters](#)
- [CMB angular power spectra](#)
- [Likelihood](#)
- [Lensing products](#)
- [Noise covariance matrices](#)

[Summary table](#)

RESULTS

0 selected items

PR1 PR2 PR3



<input type="checkbox"/>		Description	File name	Size
<input type="checkbox"/>		Full grid of results.	COM_CosmoParams_fullGrid_R2.00.tar.gz	3.6 GB
<input type="checkbox"/>		Baseline high-ell Planck power spectra (plik cross half-mission, $30 \leq \ell \leq 2508$).	COM_CosmoParams_base-plikHM_R2.00.tar.gz	415.3 MB
<input type="checkbox"/>		Bicep-Keck-Planck fiducial B mode likelihood.	COM_CosmoParams_base-r-plikHM-BKP_R2.00.tar.gz	173.4 MB
<input type="checkbox"/>		Planck baseline model: TT low-ell temperature and LFI polarization (bflike, $2 \leq \ell \leq 29$).	COM_CosmoParams_base-plikHM-TT-lowTEB_R2.00.tar.gz	46.7 MB
<input type="checkbox"/>		Lensing power spectrum reconstruction only; T,E fixed to best-fit spectrum + priors.	COM_CosmoParams_base-lenonly_R2.00.tar.gz	13.5 MB

Page 1 of 1 Page size: 100

Displaying 1-5 of 5

The Planck Legacy Archive: Cosmology



Planck Legacy Archive



i Browse cosmology products of the Planck Legacy Archive.

Ω COSMOLOGY PRODUCTS

[Explanatory Supplement](#)

Only legacy products Release PR2 - 2015

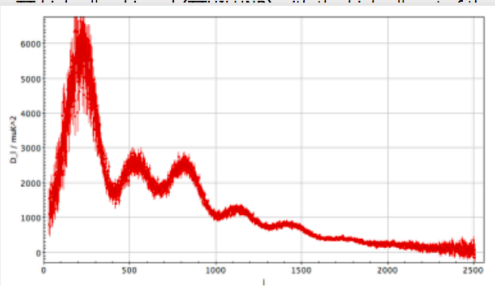
- Cosmological parameters
- CMB angular power spectra**
- Likelihood
- Lensing products
- Noise covariance matrices

RESULTS

0 selected items PR1 PR2 PR3

	Description	File name	Size
<input type="checkbox"/>	Theory Cls for the best-fit LCDM model that is plotted in Figs. 1 and 3 of the Planck 2015 results XIII, Cosmological parameters.	COM_PowerSpect_CMB-base-plikHM-TT-lowTEB-minimum-theory_R2.02.txt	200.8 KB
<input type="checkbox"/>	The CMB spectra and their uncertainties; contains low l E and B spectra in addition to the TT spectra (5 additional extensions for a total of 12 extensions).	COM_PowerSpect_CMB_R2.02.fits	160.3 KB
<input type="checkbox"/>	TT spectrum, unbinned, in 2979 bins	COM_PowerSpect_CMB-TT-hiL-full_R2.02.txt	94.5 KB
<input type="checkbox"/>	EE spectrum, unbinned, in 2979 bins	COM_PowerSpect_CMB-EE-hiL-full_R2.02.txt	75 KB

1 of 1 Page s



Displaying 1-3 of 3

The Planck Legacy Archive: Cosmology



Planck Legacy Archive



Browse cosmology products of the Planck Legacy Archive.

COSMOLOGY PRODUCTS

[Explanatory Supplement](#)

Only legacy products Release PR2 - 2015

Cosmological parameters

CMB angular power spectra

Likelihood

Lensing products

Noise covariance matrices

RESULTS

0 selected items

PR1 PR2 PR3



			Description	File name	Size
	<input type="checkbox"/>		Package containing two extra CMB likelihood files: plik_dx11dr2_HM_v18_TT_bin1.clik and plik_dx11dr2_HM_v18_TTTEEE_bin1.clik. Further details in the readme file inside the package.	COM_Likelihood_Data-extra-plik-unbinned_R2.00.tar.gz	4.2 GB
	<input type="checkbox"/>		Package containing the six data sets needed to compute all of the baseline Planck results. In particular it allows for the computation of the CMB and lensing likelihood from either the Temperature dat...	COM_Likelihood_Data-baseline_R2.00.tar.gz	299.6 MB
	<input type="checkbox"/>		Temperature and polarization masks used in the likelihood analysis between 100 and 217 GHz.	COM_Likelihood_Masks_R2.00.tar.gz	274.6 MB
	<input type="checkbox"/>		Package containing four extra CMB likelihood files: plik_dx11dr2_DS_v18_TT.clik, plik_dx11dr2_DS_v18_TE.clik, plik_dx11dr2_DS_v18_EE.clik, plik_dx11dr2_DS_v18_TTTEEE.clik. Further details in the readm...	COM_Likelihood_Data-extra-plik-DS_R2.00.tar.gz	55.1 MB

1 of 1 Page size: 100

Displaying 1-7 of 7

The Planck Legacy Archive: Effective Beams



Planck Legacy Archive



WELCOME TO THE PLANCK LEGACY ARCHIVE

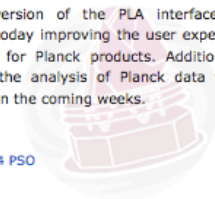
The Planck Legacy Archive provides online access to all official data products generated by the Planck mission.

LATEST NEWS

PLA 2.12 release

A new version of the PLA interface has been released today improving the user experience when searching for Planck products. Additional tools to facilitate the analysis of Planck data will become available in the coming weeks.

2017-06-14 PSO



PLANCK LEGACY ARCHIVE CONTENTS



MAPS



CATALOGUES



COSMOLOGY



TIMELINES AND RINGS



SOFTWARE, BEAMS AND INSTRUMENT MODEL



OPERATIONAL DATA



PLANCK SKY MODEL

USEFUL INFORMATION



EXPLANATORY SUPPLEMENT



EXTERNAL DATA AND SOFTWARE



COLLABORATION PAPERS



USE OF PLANCK DATA



UPDATE HISTORY



PLANCK SCIENCE TEAM HOME



HELPDESK

The Planck Legacy Archive: Effective Beams



Planck Legacy Archive



Browse instrument models, software, effective beams and scanning beams in the Planck Legacy Archive.

- The effective beams encode the angular response of Planck frequency maps, and vary with frequency and line of sight.
- The scanning beams describe the instrument instantaneous beam profiles.
- Use the panel below to retrieve effective beams for individual lines of sight, or over a grid of points within a specified region.

Note: Effective beams apply only to frequency maps and not to components maps (CMP, foregrounds).



INSTRUMENT MODELS AND SOFTWARE

Instrument models | Software | **Beams**

[Explanatory Supplement](#)

Only legacy products Release

Effective beams Scanning beams

Query Single beam Multiple beam Average beams Frequency

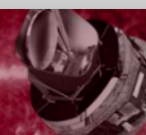
SELECT SKY REGION

Name	Equatorial	Galactic
Longitude (deg) <input type="text" value="0"/> Latitude (deg) <input type="text" value="0"/>		

Submit **Clear** **Send beam**

The Planck Legacy Archive: Machine Interface

Planck Legacy Archive



MACHINE INTERFACE

3. PRODUCT REQUEST

One data request will provide, as response, one link to download one specific file. There are two types of data requests:

- **PRODUCT REQUEST**
- **PRODUCT POSTCARD REQUEST**

The kind of request you want to use is defined by the parameter "**RETRIEVALTYPE**". Depending on its value, your request will be processed differently and different combination of parameters will be expected. For some products it is necessary to include the user credentials in the **URL** in order to be able to retrieve data.

PRODUCT REQUEST


Product requests can be made in order to retrieve any of the files that the Planck Legacy Archive provides. To retrieve a product the **ID of the file** must be specified using one of the parameters displayed in the following table:

Table 4: Product request parameters

PARAMETER NAME(S)	DESCRIPTION	POSSIBLE VALUES
ANCILLARY_DATA.FILE_ID	The file name of the ancillary file we want to retrieve.	A String
COSMOLOGY.FILE_ID	The file name of the cosmology product we want to retrieve	A String
DOCUMENT_MAP.DOCUMENT_ID	The file name of the document map we want to retrieve	A String
DOCUMENT_SOURCE_LIST.DOCUMENT_ID	The file name of the document of the source we want to retrieve	A String
FILE.FILE_ID	The file name of the file we want to retrieve	A String
MAP.MAP_ID	The file name of the map we want to retrieve	A String

INDEX OF CONTENTS

- INTRODUCTION
- METADATA REQUEST
- PRODUCT REQUEST
- MACHINE INTERFACE USAGE
- PLA ENTITIES LIST

 [Get AIO Client](#)

The Planck Legacy Archive



Planck Legacy Archive



WELCOME TO THE PLANCK LEGACY ARCHIVE

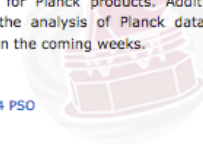
The Planck Legacy Archive provides online access to all official data products generated by the Planck mission.

LATEST NEWS

PLA 2.12 release

A new version of the PLA interface has been released today improving the user experience when searching for Planck products. Additional tools to facilitate the analysis of Planck data will become available in the coming weeks.

2017-06-14 PSO



PLANCK LEGACY ARCHIVE CONTENTS



MAPS



CATALOGUES



COSMOLOGY



TIMELINES AND RINGS



SOFTWARE, BEAMS AND INSTRUMENT MODEL



OPERATIONAL DATA



PLANCK SKY MODEL

USEFUL INFORMATION



EXPLANATORY SUPPLEMENT



EXTERNAL DATA AND SOFTWARE



COLLABORATION PAPERS



USE OF PLANCK DATA



UPDATE HISTORY



PLANCK SCIENCE TEAM HOME



HELPDESK

The Planck Legacy Archive



- Web interface for Planck Sky Model simulation software

STEP 1: SKY GENERATION

Generate New Sky
 Use existing Planck Sky

INFO AND CONTROL

Precision: Fields: Seed:
Sky Pixel Window: FALSE

SKY MODEL PARAMETERS

Sky Resolution (arcmin): Sky LMAX: HEALPix Nside:

COSMOLOGICAL PARAMETERS

Select from a predefined set of cosmological parameters:

Independent Parameters

H_{100} n_s τ_{reion}
 A ω_m ω_b

Derived Parameters

σ_8

▶ Extension Parameters
▶ CMB, Lensing, and Cosmic Structure Power Spectra Parameters

MODEL SELECTION

CMB SZ emission Galactic emission PS emission FIRB emission



The Planck Legacy Archive



➤ Web interface for Planck Sky Model simulation software

MODEL SELECTION

CMB SZ emission Galactic emission PS emission FIRB emission

CMB Monopole

Mean primordial γ
Mean primordial μ
 T_{CMB}

CMB Dipole

Dipole glon
Dipole glat (degrees)
Dipole ampl (mK_CMB)
 Randomize
 Save dipole map

CMB Anisotropies

Constrained by measurement
CMB Reference Map
 Realization
CMB Lensing

STEP 2: SKY OBSERVATION (OPTIONAL)

Perform Sky Observation

OBSERVATION PARAMETERS

INSTRUMENTS

Instrument
Version
30GHz Channels K_CMB
44GHz Channels K_CMB
70GHz Channels K_CMB
Pix
Noise

CO-ADDITION RULES

All (everything, including noise)
 All Sky (all sky components, but not noise)
 Custom selection

Job name



ESASky exploration tool: sky.esa.int



Browser window: ESASky 2.0
Address bar: sky.esa.int/?action=goto&target=357.8794170416733
Search bar: Search

Navigation: GAL 357.8794170 +1.6356176 FoV: 180°

Search: Search...

Current Sky: Sky:Planck HFI 353 GHz Pol smoothed

Select Sky

- Submillimetre
- Planck HFI 353 GHz Pol smoothed
- Herschel SPIRE 250 micron
- Herschel SPIRE 350 micron
- Herschel SPIRE 500 micron
- Herschel SPIRE RGB 250, 350, 500 micron
- Planck HFI 857 GHz
- Planck HFI 545 GHz
- Planck HFI 353 GHz
- Planck HFI 353 GHz Pol smoothed

130 628

Navigation icons: Home, Back, Forward, Refresh, Home, Search, Print, Full Screen, Help

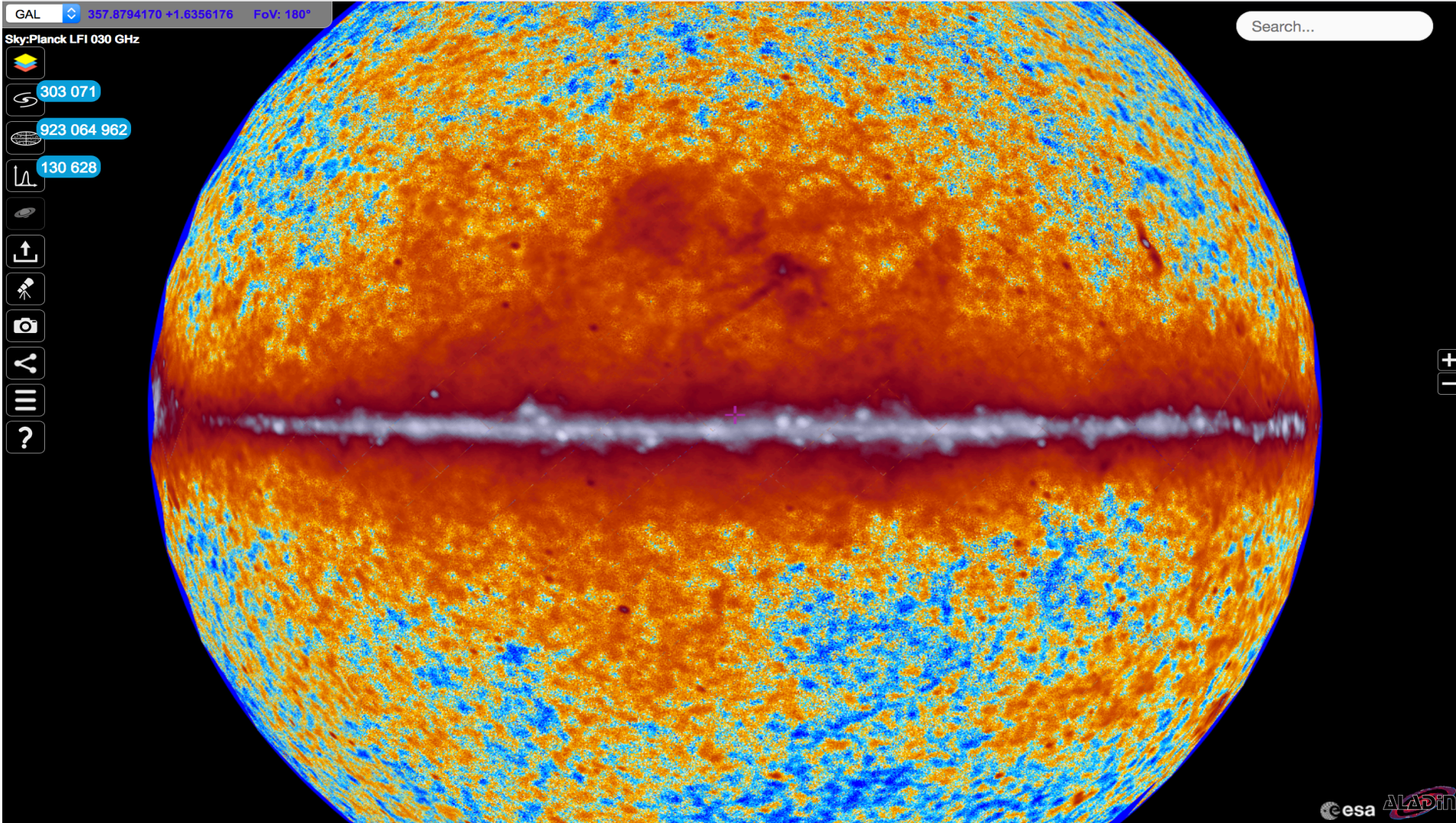
Zoom: + -

Bottom right: esa ALADIN

ESASky exploration tool: sky.esa.int



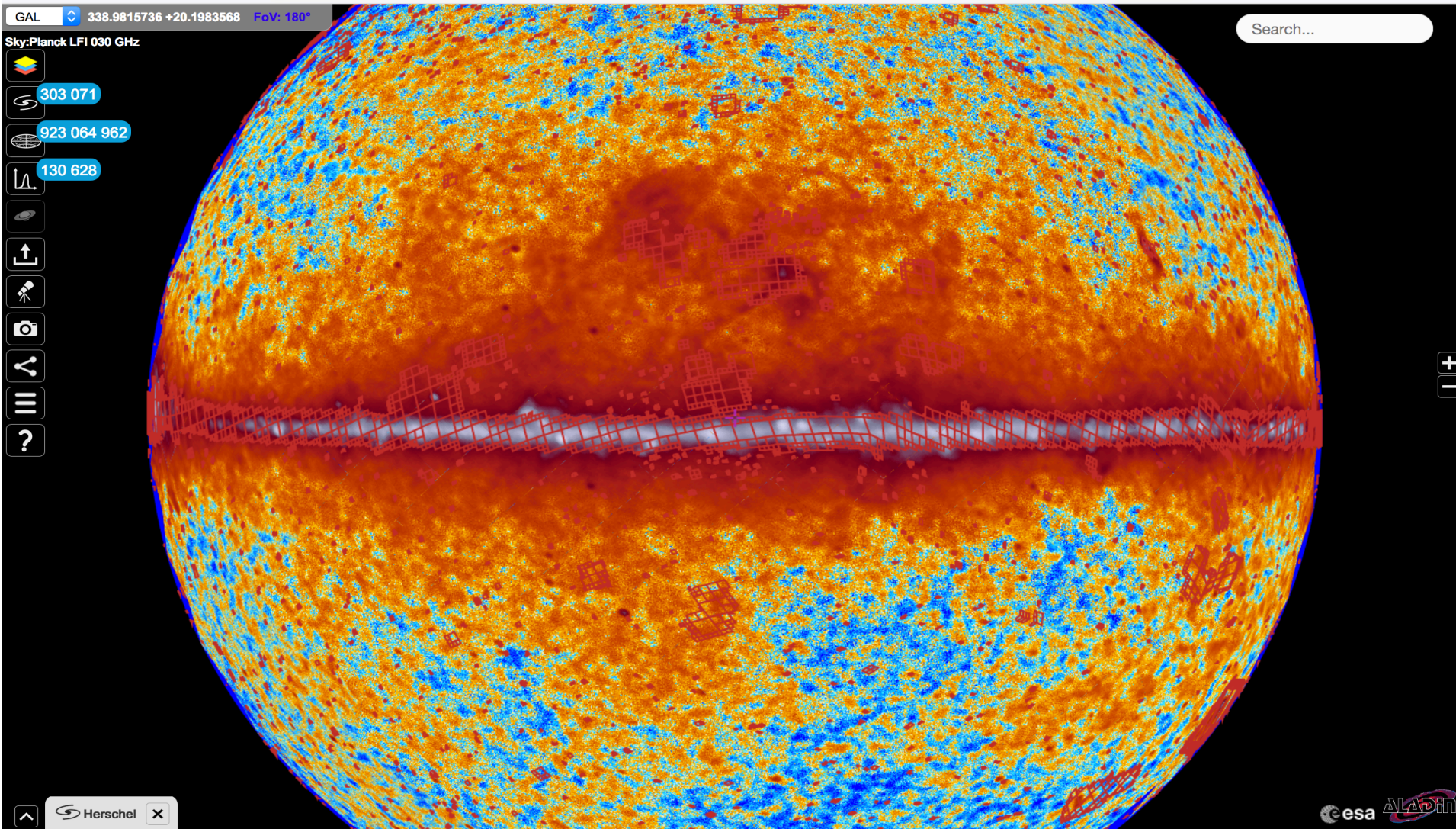
Browser interface showing the URL `sky.esa.int/?action=goto&target=357.8794170416733` and search bar.



ESASky exploration tool: sky.esa.int



Browser window header showing the URL `sky.esa.int/?action=goto&target=357.8794170416733` and a search bar.



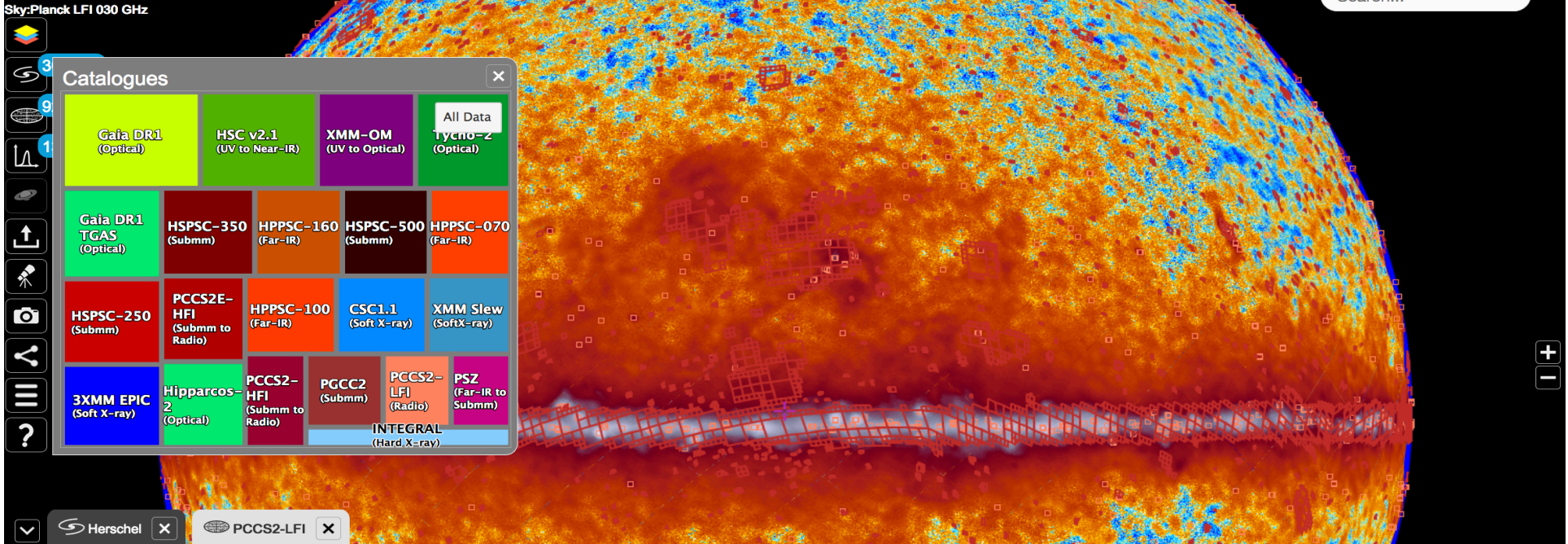
ESASky exploration tool: sky.esa.int



ESASky 2.0

sky.esa.int/?action=goto&target=357.8794170416733 80% Search

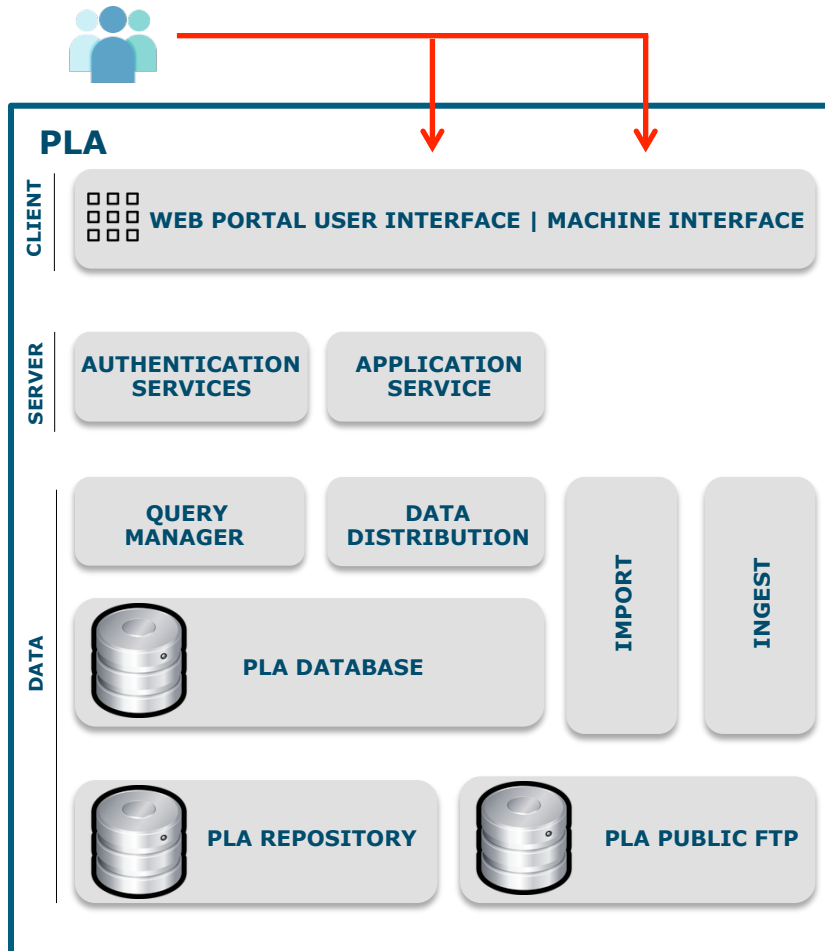
GAL 357.8794170 +1.6356176 FoV: 180° Search...



	Name	RA (J2000)	Dec (J2000)	Frequency (GHz)	Flux Density (mJy)	Flux Density Error (mJy)	Extended Source Flag	Cat. Reliability
+	PCCS2 030 G015.06-00.70	18h 20' 33.43"	-16d 10' 45.1"	30	474743.25	4135.625	0	95
+	PCCS2 044 G015.07-00.69	18h 20' 32.24"	-16d 10' 23.7"	44	397792.28	2265.7522	0	95
+	PCCS2 070 G015.07-00.69	18h 20' 31.47"	-16d 10' 13.8"	70	299391.47	1075.4568	0	95
+	PCCS2 030 G353.17+00.76	17h 25' 16.68"	-34d 16' 40.0"	30	223718.45	3520.8572	0	95
+	PCCS2 030 G000.07-00.06	17h 46' 00.58"	-28d 54' 34.9"	30	222857.61	3119.2317	1	95
+	PCCS2 030 G287.51-00.65	10h 44' 22.48"	-59d 39' 59.2"	30	200787.86	2612.489	1	95
+	PCCS2 030 G291.54-00.57	11h 14' 22.38"	-61d 16' 15.3"	30	187444.11	2427.3508	0	95
+	PCCS2 030 G284.30-00.30	10h 24' 16.95"	-57d 44' 59.7"	30	181883.58	2188.1877	0	95

1996 Sources in the current area

The Planck Legacy Archive



Planck Added Value Interface: separate python modules compiled in their own Docker images and executed in specific Docker containers.

