

Direct Download

This article contains direct-download links and cURL scripts for all available FIMS-SPEAR products.

For information on the files and their contents, see instead [Data Products](#).

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FIMS Products

Hyperspectral HEALPix Maps

cURL scripts:

The following bulk-download scripts use [cURL](#): free, open-source software that is likely already installed on your machine. Execute these scripts from the command line:

- [slit=100% products \(both bands\)](#)
- [all products \(both bands\)](#)

L-Band

Nside	Slit 100%	
	with stars	stars removed
Nside=512	n512_ap100_starry	n512_ap100_starless
Nside=256	n256_ap100_starry	n256_ap100_starless
Nside=128	n128_ap100_starry	n128_ap100_starless
Nside=64	n064_ap100_starry	n064_ap100_starless

Nside	Slit merged		Slit 10%		
	with stars	stars removed	with stars	stars removed	
Nside=512	n512_apmerged_starry	n512_apmerged_starless	n512_ap10_starry	n512_ap10_starless	
Nside=256	n256_apmerged_starry	n256_apmerged_starless	n256_ap10_starry	n256_ap10_starless	
Nside=128		n128_apmerged_starry	n128_apmerged_starless	n128_ap10_starry	n128_ap10_starless
Nside=64	n064_apmerged_starry	n064_apmerged_starless	n064_ap10_starry	n064_ap10_starless	

S-Band

Nside	Slit 100%	
	with stars	stars removed
Nside=512	n512_ap100_starry	n512_ap100_starless
Nside=256	n256_ap100_starry	n256_ap100_starless
Nside=128	n128_ap100_starry	n128_ap100_starless
Nside=64	n064_ap100_starry	n064_ap100_starless

Nside	Slit merged		Slit 10%	
	with stars	stars removed	with stars	stars removed
Nside=512	n512_apmerged_starry	n512_apmerged_starless	n512_ap10_starry	n512_ap10_starless
Nside=256	n256_apmerged_starry	n256_apmerged_starless	n256_ap10_starry	n256_ap10_starless

[n256_apmerged_starless](#)

Nside=128		n128_apmerged_starry	n128_apmerged_starless	n128_ap10_starry	n128_ap10_starless
Nside=64	n064_apmerged_starry	n064_apmerged_starless	n064_ap10_starry	n064_ap10_starless	

Integrated Emission Line HEALPix Maps

slit=100%, stars removed, low resolution with adaptive smoothing

Species	Download Link
C IV	smoothed_long-c-iv
H ₂	smoothed_long-h-2
O VI	smoothed_short-o-vi

Averaged Intensity HEALPix Maps

gzipped tar bundles:

- [slit=100% products \(both bands\)](#)
- [all products \(both bands\)](#)

L-band

Nside	Slit 100%	
	with stars	stars removed
Nside=512	n512_ap100_starry	n512_ap100_starless
Nside=256	n256_ap100_starry	n256_ap100_starless
Nside=128	n128_ap100_starry	n128_ap100_starless
Nside=64	n064_ap100_starry	n064_ap100_starless

Nside	Slit merged		Slit 10%	
	with stars	stars removed	with stars	stars removed
Nside=512	n512_apmerged_starry	n512_apmerged_starless	n512_ap10_starry	n512_ap10_starless
Nside=256	n256_apmerged_starry	n256_apmerged_starless	n256_ap10_starry	n256_ap10_starless
Nside=128		n128_apmerged_starless	n128_apmerged_starless	n128_ap10_starless
Nside=64	n064_apmerged_starry	n064_apmerged_starless	n064_ap10_starry	n064_ap10_starless

S-band

Nside	Slit 100%	
	with stars	stars removed
Nside=512	n512_ap100_starry	n512_ap100_starless
Nside=256	n256_ap100_starry	n256_ap100_starless
Nside=128	n128_ap100_starry	n128_ap100_starless

Nside=64		n064_ap100_starry	n064_ap100_starless		
Nside	Slit merged		Slit 10%		
	with stars	stars removed	with stars	stars removed	
Nside=512	n512_apmerged_starry	n512_apmerged_starless	n512_ap10_starry	n512_ap10_starless	
Nside=256	n256_apmerged_starry	(temporarily unavailable)	n256_ap10_starry	n256_ap10_starless	
Nside=128		n128_apmerged_starry	n128_apmerged_starless	n128_ap10_starry	n128_ap10_starless
Nside=64	n064_apmerged_starry	n064_apmerged_starless	n064_ap10_starry	n064_ap10_starless	

Stellar Spectra

gzipped tar bundle:

- [all products](#)

Lower-Level Products

Sky Event Files

cURL script:

The following bulk-download script uses [cURL](#): free, open-source software that is likely already installed on your machine. Execute this script from the command line:

- [all products](#)

Photon sky event files

Band	Slit 100%		Slit 10%	
	with stars	stars removed	with stars	stars removed
L-Band	ap100_starry_long	ap100_starless_long	ap10_starry_long	ap10_starless_long
S-Band	ap100_starry_short	ap100_starless_short	ap10_starry_short	ap10_starless_short

Exon sky event files

Band	Slit 100%		Slit 10%	
	with stars	stars removed	with stars	stars removed
L-Band	ap100_starry_long	ap100_starless_long	ap10_starry_long	ap10_starless_long

S-Band	ap100_starry_short	ap100_starless_short	ap10_starry_short	ap10_starless_short
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Orbits Table

FITS file: [orbits_fits](#)

txt file: [orbits_txt](#)

Effective Area Curves

L-Band: [long_sens](#)

S-Band: [short_sens](#)

Partial-Pipeline Code

tar bundle:

- [all products](#) (20 GB)

SPEAR Products

Hyperspectral HEALPix Maps

gzipped tar bundle:

- [all products](#)

Slit 100%, stars removed

L-band

Nside	Download Link
Nside=128	n128_ap100_starless
Nside=64	n064_ap100_starless
Nside=32	n032_ap100_starless
Nside=16	n016_ap100_starless
Nside=8	n008_ap100_starless

S-band

Nside	Download Link
Nside=64	n064_ap100_starless
Nside=32	n032_ap100_starless
Nside=16	n016_ap100_starless
Nside=8	n008_ap100_starless

Integrated Emission Line HEALPix Maps

gzipped tar bundle:

- [all adaptive binning products](#)
- [all Nside=8 products](#)

Slit=100%, stars removed

Species	(Å)	Adaptive Binning	Nside=8
Al II	1671	adaptive_long-al-ii	n008_long-al-ii
C II	1037	adaptive_short-c-ii-1037	—
	1335	adaptive_long-c-ii-1335	—
C III	977	adaptive_short-c-iii	n008_short-c-iii
C IV	1548	adaptive_long-c-iv	n008_long-c-iv
H ₂	1330-1625	—	n008_long-h-2
	1580	adaptive_long-h-2-1580	—
	1606	adaptive_long-h-2-1606	—
Ly	1026	adaptive_short-ly-beta	—
He II	1640	adaptive_long-he-ii	n008_long-he-ii
N II	1085	adaptive_short-n-ii	—
O I	1041	adaptive_short-o-i-1041	—
	1356	adaptive_long-o-i-1356	—
	1641	adaptive_long-o-i-1641	—
O III	1666	—	n008_long-o-iii
O IV	1405	adaptive_long-o-iv	n008_long-o-iv
O VI	1032	adaptive_short-o-vi	n008_short-o-vi
Si II	1533	adaptive_long-si-ii	n008_long-si-ii
Si IV	1394	adaptive_long-si-iv	—

Pointed Observation Images (Vela Supernova Remnant)

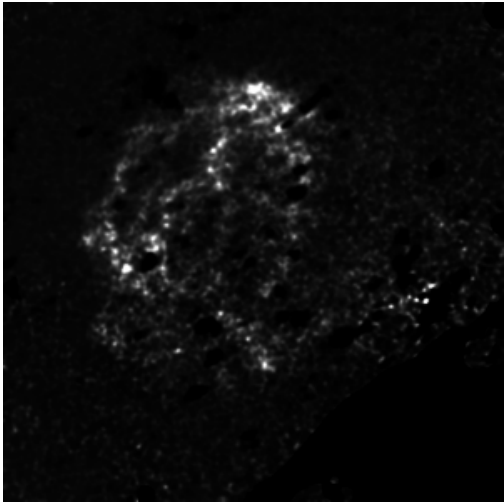
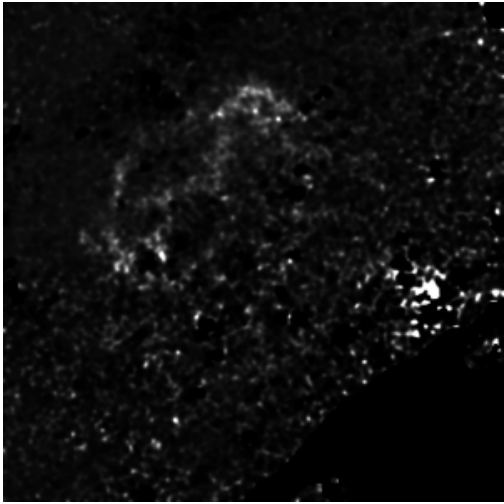
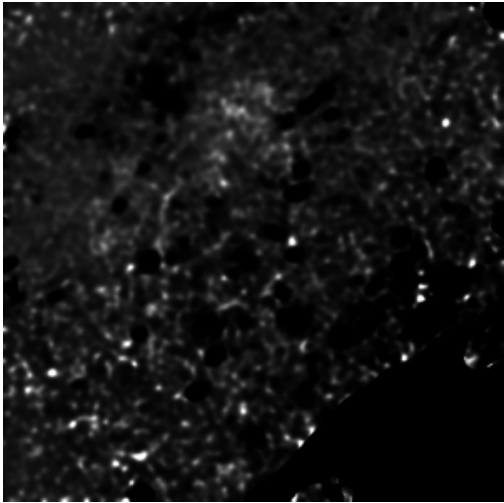
gzipped tar bundle:

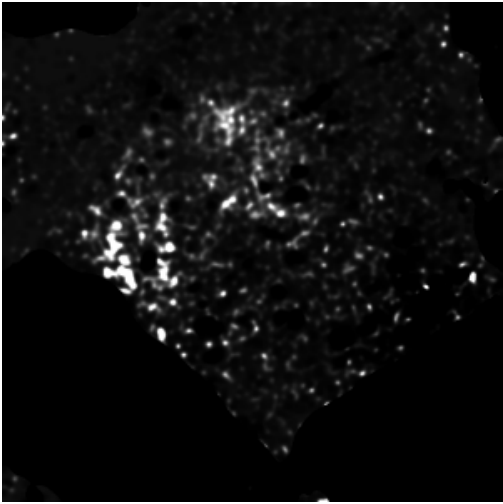
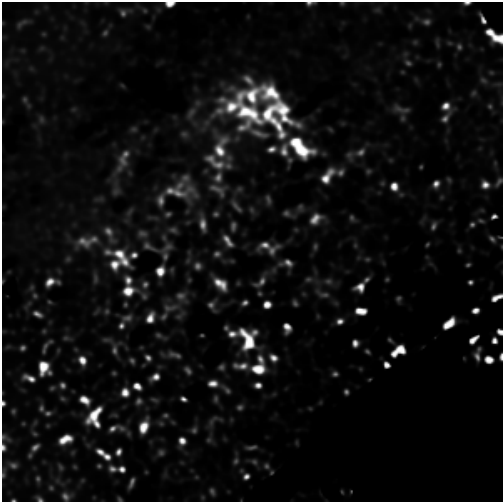
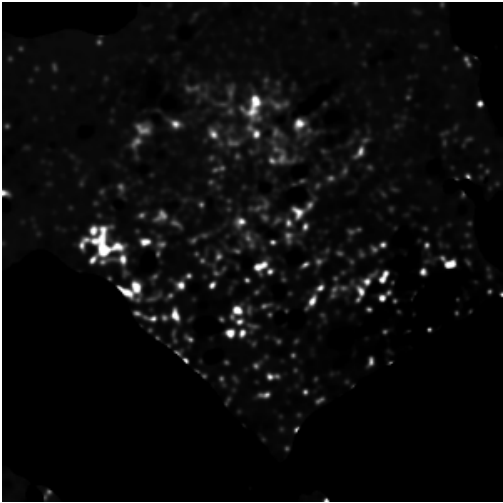
- [all products](#)

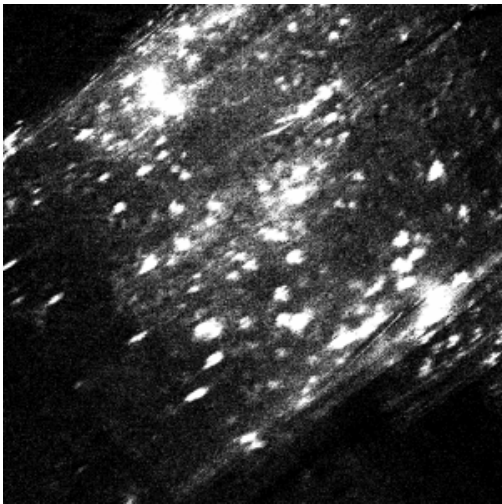
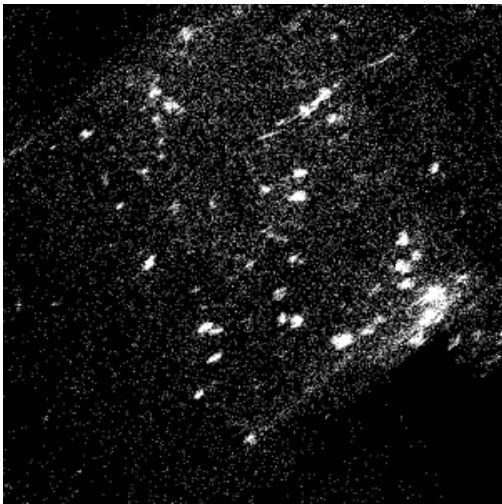


Due to the [uncertain data reduction history](#) of the Vela images, it is recommended that they be used as a guide to the spatial morphologies of the emission lines, but not as a measurement of absolute intensity.

Emission feature	Download Link	Preview Image
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C IV	vela_long-c-iv	
Si IV	vela_long-si-iv	
He II	vela_long-he-ii	

O VI	vela_short-o-vi	
O III	vela_long-o-iii	
C III	vela_short-c-iii	

L-band continuum	vela_long_continuum	
S-band continuum	vela_short_continuum	

Lower-Level Products

Grasp Curves

S-Band: [long_sens](#)

L-Band: [short_sens](#)