



Templates in CASSIS



Use cases : create/edit templates

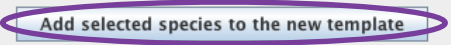
Use case 2: Edit the cyanopolyynes template



2. Edit a template

Let's assume we want to add HCN to the Cyanopolynes template ;
first select this template:

1. 

2. 

Manage Templates - database from SQLITE (cassis20140205.db)

Templates of CASSIS

- All Species
- Full CDMS
- Full JPL
- Full NIST
- Full VASTEL
- C_rich_AGB1
- C_rich_AGB2
- COs
- Highmass_SFR
- ISM
- Lowmass_hot_corino
- Lowmass_rich_mol_outflow
- Massive_star_forming_region
- Orion_compact_ridge
- Orion_extended_ridge
- Orion_hot_core
- Orion_plateau_hvf
- Orion_plateau_lvf
- X_gal
- Cyanopolynes**

Species of the selected templates

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HC3N, v=0	51501	CDMS	hc3n.dat&...	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N, v=0	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N, v=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒

Species of the new template

N(H₂) [cm⁻²]:

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
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Import Export Delete Add Clear the new template Save as



2. Edit a template

Manage Templates - database from SQLITE (cassis20140205.db)

Templates of CASSIS

- All Species
- Full CDMS
- Full JPL
- Full NIST
- Full VASTEL
- C_rich_AGB1
- C_rich_AGB2
- COs
- Highmass_SFR
- ISM
- Lowmass_hot_corino
- Lowmass_rich_mol_outflow
- Massive_star_forming_region
- Orion_compact_ridge
- Orion_extended_ridge
- Orion_hot_core
- Orion_plateau_hvf
- Orion_plateau_lvf
- X_gal
- Cyanopolynes**

Species of the selected templates

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HC3N, v=0	51501	CDMS	hc3n.dat&...	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N, v=0	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N, v=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒

Add selected species to the new template

Species of the new template

N(H₂) [cm⁻²]:

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HC3N, v=0	51501	CDMS	hc3n.dat&...	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N, v=0	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N, v=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒

Import Export Delete

Add Clear the new template Save as



2. Edit a template

Select a template which you know contain the species you want to add, for example (and in case of doubt), “All Species”:

Manage Templates – database from SQLITE (cassis20140205.db)

Templates of CASSIS

- All Species
- Full CDMS
- Full JPL
- Full NIST
- Full VASTEL
- C_rich_AGB1
- C_rich_AGB2
- COs
- Highmass_SFR
- ISM
- Lowmass_hot_corino
- Lowmass_rich_mol_outflow
- Massive_star_forming_region
- Orion_compact_ridge
- Orion_extended_ridge
- Orion_hot_core
- Orion_plateau_hvf
- Orion_plateau_lvf
- X_gal
- Cyanopolynes

Species of the selected templates

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
H-atom	1001	JPL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
H I	1101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
D-atom	2001	JPL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
HD	3001	JPL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
HD	3501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
H2D+	4001	JPL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
He I	4101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
He II	4102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
H2D+	4501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
p-H2D+	4581	VASTEL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
o-H2D+	4591	VASTEL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
HD2+	5501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
HeH+	5502	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒

Add selected species to the new template

Species of the new template

N(H₂) [cm⁻²]: 1

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HC3N, v=0	51501	CDMS	hc3n.dat&...	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N, v=0	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N, v=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒

Import Export Delete Add Clear the new template Save as



2. Edit a template

De-select all species by clicking on “Selected”:

Manage Templates – database from SQLITE (cassis20140205.db)

Templates of CASSIS

- All Species
- Full CDMS
- Full JPL
- Full NIST
- Full VASTEL
- C_rich_AGB1
- C_rich_AGB2
- COs
- Highmass_SFR
- ISM
- Lowmass_hot_corino
- Lowmass_rich_mol_outflow
- Massive_star_forming_region
- Orion_compact_ridge
- Orion_extended_ridge
- Orion_hot_core
- Orion_plateau_hvf
- Orion_plateau_lvf
- X_gal
- Cyanopolynes

Species of the selected templates

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
H-atom	1001	JPL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
H I	1101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
D-atom	2001	JPL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HD	3001	JPL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HD	3501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
H2D+	4001	JPL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
He I	4101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
He II	4102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
H2D+	4501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
p-H2D+	4581	VASTEL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
o-H2D+	4591	VASTEL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HD2+	5501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
H ₂	5502	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐

Add selected species to the new template

Species of the new template

N(H₂) [cm⁻²] : 1

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HC3N, v=0	51501	CDMS	hc3n.dat&...	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N, v=0	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N, v=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒

Import Export Delete Add Clear the new template Save as



2. Edit a template

Right-click on “Species” to open the search window, type HCN, and click on “HCN, v=0” (do not use 'return')

HCN

HCN, v=0

HCN, v2=1

HCN, v2=2

HCN, v2=3

HCN, v3=1

HCN, v1=1

HCNH+

HCN, v=0

Lowmass_not_corino

Lowmass_rich_mol_outflow

Massive_star_forming_region

Orion_compact_ridge

Orion_extended_ridge

Orion_hot_core

Orion_plateau_hvf

Orion_plateau_lvf

X_gal

Cyanopolynes

Import Export Delete

Manage Templates – database from SQLITE (cassis20140205.db)

Species of the selected templates

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
H-atom	1001	JPL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
H I	1101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
D-atom	2001	JPL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
HD	3001	JPL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
HD	3501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
H2D	4001	JPL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
He I	4101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
He II	4102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
H2D+	4501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
p-H2D+	4581	VASTEL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
o-H2D+	4591	VASTEL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
HD2+	5501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
HeH+	5502	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒

Add selected species to the new template

Species of the new template

N(H₂) [cm⁻²]: 1

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HC3N, v=0	51501	CDMS	hc3n.dat&...	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N, v=0	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N, v=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒

Add Clear the new template Save as



2. Edit a template

Select HCN in the “Selected” column :

Manage Templates – database from SQLITE (cassis20140205.db)

Templates of CASSIS

- All Species
- Full CDMS
- Full JPL
- Full NIST
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- Lowmass_rich_mol_outflow
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- Orion_compact_ridge
- Orion_extended_ridge
- Orion_hot_core
- Orion_plateau_hvf
- Orion_plateau_lvf
- X_gal
- Cyanopolyynes

Species of the selected templates

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
Al IX	27109	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al X	27110	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al XI	27111	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al XII	27112	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v=0	27501	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
HNC, v=0	27502	CDMS	hnc@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=1	27503	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HNC, v2=1	27504	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
C-13-N	27505	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
CN-15	27506	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=2	27507	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=3	27508	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=4	27509	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐

Add selected species to the new template

Species of the new template

N(H₂) [cm⁻²] : 1

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HC3N, v=0	51501	CDMS	hc3n.dat&...	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N, v=0	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
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HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒

Import Export Delete

Add Clear the new template Save as



2. Edit a template

Click on “Add selected species to the new template” to transfer HCN to the new template :

Manage Templates – database from SQLITE (cassis20140205.db)

Templates of CASSIS

- All Species
- Full CDMS
- Full JPL
- Full NIST
- Full VASTEL
- C-rich AGB1
- C-rich AGB2
- COs
- Highmass_SFR
- ISM
- Lowmass_hot_corino
- Lowmass_rich_mol_outflow
- Massive_star_forming_region
- Orion_compact_ridge
- Orion_extended_ridge
- Orion_hot_core
- Orion_plateau_hvf
- Orion_plateau_lvf
- X_gal
- Cyanopolyynes

Species of the selected templates

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
Al IX	27109	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al X	27110	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al XI	27111	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al XII	27112	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v=0	27501	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
HNC, v=0	27502	CDMS	hnc@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=1	27503	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HNC, v2=1	27504	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
C-13-N	27505	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
CN-15	27506	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=2	27507	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=3	27508	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=1	27509	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐

Add selected species to the new template

Species of the new template

N(H₂) [cm⁻²] : 1

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HC3N, v=0	51501	CDMS	hc3n.dat&...	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N, v=0	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N, v=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HCN, v=0	27501	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒

Import Export Delete Add Clear the new template Save as



2. Edit a template

If desired, edit the parameter values for HCN by clicking in the appropriate field (not done in this example) :

Manage Templates – database from SQLITE (cassis20140205.db)

Templates of CASSIS

- All Species
- Full CDMS
- Full JPL
- Full NIST
- Full VASTEL
- C-rich AGB1
- C-rich AGB2
- COs
- Highmass_SFR
- ISM
- Lowmass_hot_corino
- Lowmass_rich_mol_outflow
- Massive_star_forming_region
- Orion_compact_ridge
- Orion_extended_ridge
- Orion_hot_core
- Orion_plateau_hvf
- Orion_plateau_lvf
- X_gal
- Cyanopolyynes

Species of the selected templates

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
Al IX	27109	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al X	27110	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al XI	27111	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al XII	27112	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v=0	27501	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
HNC, v=0	27502	CDMS	hnc@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=1	27503	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HNC, v2=1	27504	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
C-13-N	27505	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
CN-15	27506	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=2	27507	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=3	27508	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=1	27509	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐

Add selected species to the new template

Species of the new template

N(H₂) [cm⁻²] :

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HC3N, v=0	51501	CDMS	hc3n.dat&...	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N, v=0	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N, v=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HCN, v=0	27501	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒

Import Export Delete

Add Clear the new template Save as



2. Edit a template

Click on “Save as” and name the template “Cyanopolyynes” again :

Manage Templates – database from SQLITE (cassis20140205.db)

Templates of CASSIS

- All Species
- Full CDMS
- Full JPL
- Full NIST
- Full VASTEL
- C-rich AGB1
- C-rich AGB2
- COs
- Highmass_SFR
- ISM
- Lowmass_hot_corino
- Lowmass_rich_mol_outflow
- Massive_star_forming_region
- Orion_compact_ridge
- Orion_extended_ridge
- Orion_hot_core
- Orion_plateau_hvf
- Orion_plateau_lvf
- X_gal
- Cyanopolyynes

Species of the selected templates

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
Al IX	27109	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al X	27110	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al XI	27111	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al XII	27112	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v=0	27501	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
HNC, v=0	27502	CDMS	hnc@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=1	27503	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HNC, v2=1	27504	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
C-13-N	27505	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
CN-15	27506	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=2	27507	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=3	27508	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=1	27509	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐

Add selected species to the new template

Species of the new template

N(H₂) [cm⁻²] : 1

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HC3N, v=0	51501	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N, v=0	75503	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N, v=0	99501	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HCN, v=0	27501	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒

Save Template

Save template as:
Cyanopolyynes

OK Cancel

Import Export Delete Add Clear the new template Save as



2. Edit a template

Click “Yes” to replace the existing template :

Manage Templates – database from SQLITE (cassis20140205.db)

Templates of CASSIS

- All Species
- Full CDMS
- Full JPL
- Full NIST
- Full VASTEL
- C_rich_AGB1
- C_rich_AGB2
- COs
- Highmass_SFR
- ISM
- Lowmass_hot_corino
- Lowmass_rich_mol_outflow
- Massive_star_forming_region
- Orion_compact_ridge
- Orion_extended_ridge
- Orion_hot_core
- Orion_plateau_hvf
- Orion_plateau_lvf
- X_gal
- Cyanopolyynes

Species of the selected templates

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
Al IX	27109	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al X	27110	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al XI	27111	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al XII	27112	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v=0	27501	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
HNC, v=0	27502	CDMS	hnc@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=1	27503	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HNC, v2=1	27504	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
C-13-N	27505	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
CN-15	27506	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=2	27507	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=3	27508	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=1	27509	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐

Add selected species to the new template

Species of the new template

N(H₂) [cm⁻²] : 1

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HC3N, v=0	51501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N, v=0	75503	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N, v=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HCN, v=0	27501	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒

Replace existing template?

Import Export Delete

Add Clear the new template Save as



2. Edit a template

Manage Templates - database from SQLITE (cassis20140205.db)

Templates of CASSIS

- All Species
- Full CDMS
- Full JPL
- Full NIST
- Full VASTEL
- C-rich AGB1
- C-rich AGB2
- COs
- Highmass_SFR
- ISM
- Lowmass_hot_corino
- Lowmass_rich_mol_outflow
- Massive_star_forming_region
- Orion_compact_ridge
- Orion_extended_ridge
- Orion_hot_core
- Orion_plateau_hvf
- Orion_plateau_lvf
- X_gal
- Cyanopolynes

Species of the selected templates

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
Al IX	27109	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al X	27110	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al XI	27111	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
Al XII	27112	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v=0	27501	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
HNC, v=0	27502	CDMS	hnc@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=1	27503	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HNC, v2=1	27504	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
C-13-N	27505	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
CN-15	27506	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=2	27507	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=3	27508	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HCN, v2=1	27509	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐

Add selected species to the new template

Species of the new template

N(H₂) [cm⁻²]:

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HC3N, v=0	51501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N, v=0	75503	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N, v=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HCN, v=0	27501	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒

New template added

OK

Import Export Delete Add Clear the new template Save as



2. Edit a template

The template “Cyanopolynes” now contains HCN :

Manage Templates - database from SQLITE (cassis20140205.db)

Templates of CASSIS

- All Species
- Full CDMS
- Full JPL
- Full NIST
- Full VASTEL
- C_rich_AGB1
- C_rich_AGB2
- COs
- Highmass_SFR
- ISM
- Lowmass_hot_corino
- Lowmass_rich_mol_outflow
- Massive_star_forming_region
- Orion_compact_ridge
- Orion_extended_ridge
- Orion_hot_core
- Orion_plateau_hvf
- Orion_plateau_lvf
- X_gal
- Cyanopolynes**

Species of the selected templates

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HCN, v=0	27501	CDMS	hcn@xpol....	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒
HC3N, v=0	51501	CDMS	hc3n.dat&...	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N, v=0	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N, v=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒

Add selected species to the new template

Species of the new template

N(H₂) [cm⁻²] :

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HC3N, v=0	51501	CDMS	hc3n.dat&...	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N, v=0	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N, v=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HCN, v=0	27501	CDMS	hcn@xpol....	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☒

Import Export Delete Add Clear the new template Save as



2. Edit a template

To remove a species :

1. Select a template

2. De-select any unwanted species

3. Click

Add selected species to the new template

Species of the selected templates

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HCN, v=0	27501	CDMS	hcn@xpol...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HC3N, v=0	51501	CDMS	hc3n.dat&...	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N, v=0	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N, v=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒

Species of the new template

N(H₂) [cm⁻²] : 1

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
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Import Export Delete Add Clear the new template Save as



2. Edit a template

Manage Templates – database from SQLITE (cassis20140206-HFS-FORCOM-IRAP.db)

Templates of CASSIS

- All Species
- Full CDMS
- Full JPL
- Full NIST
- Full VASTEL
- C_rich_AGB1
- C_rich_AGB2
- COs
- Highmass_SFR
- ISM
- Lowmass_hot_corino
- Lowmass_rich_mol_outflow
- Massive_star_forming_region
- Orion_compact_ridge
- Orion_extended_ridge
- Orion_hot_core
- Orion_plateau_hvf
- Orion_plateau_lvf
- X_gal
- Cyanopolynes**

Species of the selected templates

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HCN, v...	27501	CDMS	hcn@x...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HC3N,...	51501	CDMS	hc3n.d...	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N,...	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N,...	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒

Add selected species to the new template

Save Template

Species of the
N(H₂) [cm⁻²]: ?

Save template as:
Cyanopolynes

OK Cancel

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HC3N,...	51						50.00	10.00	5.00	30.00	0.00E0	☒
HC5N,...	75						50.00	10.00	5.00	30.00	0.00E0	☒
HC7N,...	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒

Import Export Delete

Add Clear the new template Save as Click



2. Edit a template

Manage Templates – database from SQLITE (cassis20140206-HFS-FORCOM-IRAP.db)

Templates of CASSIS

- All Species
- Full CDMS
- Full JPL
- Full NIST
- Full VASTEL
- C_rich_AGB1
- C_rich_AGB2
- COs
- Highmass_SFR
- ISM
- Lowmass_hot_corino
- Lowmass_rich_mol_outflow
- Massive_star_forming_region
- Orion_compact_ridge
- Orion_extended_ridge
- Orion_hot_core
- Orion_plateau_hvf
- Orion_plateau_lvf
- X_gal
- Cyanopolynes**

Species of the selected templates

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HCN, v...	27501	CDMS	hcn@x...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HC3N,...	51501	CDMS	hc3n.d...	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N,...	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N,...	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒

Add selected species to the new template

Template Cyanopolynes a...

Species of the n

N(H₂) [cm⁻²]: 1 ? Replace existing template?

☒ Yes ☐ No

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HC3N,...	5150					0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N,...	7550	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N,...	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒

Import Export Delete

Add Clear the new template Save as



2. Edit a template

Manage Templates – database from SQLITE (cassis20140206-HFS-FORCOM-IRAP.db)

Templates of CASSIS

- All Species
- Full CDMS
- Full JPL
- Full NIST
- Full VASTEL
- C_rich_AGB1
- C_rich_AGB2
- COs
- Highmass_SFR
- ISM
- Lowmass_hot_corino
- Lowmass_rich_mol_outflow
- Massive_star_forming_region
- Orion_compact_ridge
- Orion_extended_ridge
- Orion_hot_core
- Orion_plateau_hvf
- Orion_plateau_lvf
- X_gal
- Cyanopolyynes

Species of the selected templates

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HCN, v...	27501	CDMS	hcn@x...	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	☐
HC3N,...	51501	CDMS	hc3n.d...	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N,...	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N,...	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒

Add selected species to the new template

Template Information

Species of the new template

N(H₂) [cm⁻²]: 1

New template added

OK

Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HC3N,...	5150	CDMS	hcn@x...	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC5N,...	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC7N,...	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒
HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	☒

Import Export Delete

Add Clear the new template Save as