

Use cases : create/edit templates

Use case I: Create a template for cyanopolyynes HC_{2n+1}N

http://cassis.irap.omp.eu

Sandrine BOTTINELLI, 2014-03-19





Click on the icon \bigcirc or go to the "Templates" menu \rightarrow Manage Templates

$\Theta \odot \Theta$	Man	age Temp	olates – o	latabase	from SQLI	TE (cass	is201402	205.db)					
Templates of CASSIS	Species of	of the sele	ected ten	nplates –									
All Species	Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vexp	Selected
Full CDMS	0000												
Full JPL													
Full NIST	0000												
Full VASTEL													
C_rich_AGB1													
C_rich_AGB2													
COs	1000												
Highmass_SFR													
ISM													
Lowmass_hot_corino													
Lowmass_rich_mol_outflow	1000												
Orion compact ridge										7			
Orion extended ridge					Add sele	ected sp	ecies to t	he new te	mplate				
Orion hot core													
Orion_plateau_hvf	Species of	of the nev	v templa	te									
Orion_plateau_lvf	N(H ₂) [cr	n-²]: 1											
X_gal	Spacias	Tag		Coll	C-Dong	Abup	Poto	Tax	Tkin	Ewhm	Sizo	V	Salactad
	species	Tag	DB	COII	C-Dells	Abun	Deld	Tex	1 KIII	FWIIII	3126	•exp	Selected
	1000												
	1000												
	0.000												
	100												
	1000												
Import Export Delete					Add	Clear the	e new ten	nplate	Save a	s			





	00		Manage Te	mplates – da	atabase from	SQLITE (cas	ssis2014020	05.db)						
ſ	Templates of CASSIS	Species of t	ne selected templates											
	All Species	Species	Tag DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vexp	Selected	
	FUILCOMS	HD	3501 CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	Z	•
	Full JPL	H2D+	4501 CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	v	
I. Sele	ctian existing	HD2+	5501 CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
_	Full VASTEL	HeH+	5502 CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	v	
templa	tedingsthe panel	C-atom	12501 CDMS	catom.dat	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
cempia	C_rich_AGB2	BH	12502 CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
"Tomo	lever of CACCIC"	C-12	12503 CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
remp		CH	13502 CDMS	-110-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
	ISM	CH+	13503 CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
e.g. A		CH+, v=	13504 CDMS	-no-	7.00F14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00F0	V	
	Lowmass_rich_mol_outflow	CH+, v=	13505 CDMS	-no- 2	Thous	ctoof	chari	00000	ntain	1.00	3.00	0.00E0		
	Massive_star_forming_region	C-12-+	13506 CDMS	L .	111611	SLOI	Speci	C3 CO	ILan	eu 100	3.00	0.0050		-7
	Orion_compact_ridge				A Add	l selected s	pecies to th	e new templ						
	Orion_extended_ridge			In	this t	empi	ate ap	opear	in tr	ie 📃				
	Orion_hot_core	* . 												
	Orion_plateau_hvf	Species of the	ne new template	Da	nel "S	pecie	es of 1	the se	lecte	be				
	Orion_plateau_lvf	N(H ₂) [cm ⁻²]	: 1	P		peer								
	X_gal	Enociac	Tag DR	to	mplat	~	Poto	Там	TIVia	Eulom	Size	V	Salastad	
		species			Inplat	C Abun	Bela	100 00	10.0	FWIT	SIZE	exp	Selected	-11
		CO, V=0	2000 CDIVIS	co.uata(p	7.00E14	1.00E-0	2.00E-5	100.00	10.0	0 1.00	5.00	0.00E		-
	Import Export Delete				Add	Cleart	he new tem	plate Sa	veas					
	Laport Delete					crear c								





Templates of CASIS \$ Species of the selected templates Full COMS Full PL Species of the selected templates To Click con the Selected template Species of the selected templates Full COMS Full PL Species of the selected templates To Click con the Selected template Species of the selected templates Full PL Full PL Species of the selected templates To Click con the Selected template Species of the selected templates Full PL Full PL Full PL Full PL Full PL Full PL Full NST Full PL Full PL Full PL Full PL Full PL Full NST Full NST Full PL Full PL Full PL Full PL Full NST Full NST Full PL Full PL Full PL Full PL Crich ACB1 Full PL Full PL Full PL Full PL Full PL Crich ACB1 Full PL Full PL <th>00</th> <th></th> <th></th> <th>Manage T</th> <th>emplates – da</th> <th>tabase from</th> <th>SQLITE (cas</th> <th>sis2014020</th> <th>5.db)</th> <th></th> <th></th> <th></th> <th></th> <th></th>	00			Manage T	emplates – da	tabase from	SQLITE (cas	sis2014020	5.db)					
No. Species Tail COM Species Species Species Tail Com Species Species <thspecies< th=""></thspecies<>	Templates of CASSIS	Species of t	he selected	templates	5									
Full COMS HO 3301 COMS no- Zool 14 Look = 8 Double Look = 1 Look = 1 <thlook 1<="" =="" td=""><td>All Species</td><td>Species</td><td>Tag</td><td>DB</td><td>Coll</td><td>C-Dens</td><td>Abun</td><td>Beta</td><td>Te</td><td>ckinon</td><td>FWDE</td><td>ected"</td><td>vto (</td><td>Selected</td></thlook>	All Species	Species	Tag	DB	Coll	C-Dens	Abun	Beta	Te	ckinon	FWDE	ected"	vto (Selected
Full NT Full NT Full NST Full NS	Full CDMS	HD	3501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Full NST Full NST Full NST Full NST Crith, AGB1 Side (LMS) Crith, AGB2 Side (LMS) Crith, AGB2 Side (LMS) Cos Full NST Highmas, SIR Side (LMS) ISM Side (LMS) ISM Side (LMS) Cos Side (LMS) Import Side (LMS) Cos Side (LMS) Cos Side (LMS) Cos Side (LMS) Cos Side (LMS) Import Side (LMS) Cos Side (LMS) Side (LMS) Side (LMS) Side (LMS)	Full JPL	H2D+	4501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	select		hedies	0.00E0	
Full VASTEL C_rich, AGE2 C_rich, AGE3 C_rich, AGE3 C_rich, AGE3 Cos Highmas, SFR ISM ISM Iowmass, Inh, mol, outhow Lowmass, Inh, mol, outhow non- Vinn, Josef Non- Orion, constant, ridge non- Orion, stended, ridge non- Orion, plateau, Ivf Nob. Orion, plateau, Ivf Nob. Species of the new template Nob. Species of the new template Nob. Coll CO, v=0 28503/CDMS CO, v=0 28503/CDMS Add Clear the new template	Full NIST	HD2+	5501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00		a11.00		0.00E0	
C_rich, AGE1 C_rich, AGE1 Construction Construction<	Full VASTEL	HeH+	12501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
C_rdcl,AG62 COS Some 200813 1000	C_rich_AGB1		12501	CDMS	catom.dat	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
COS Highmass_FR Col Cos	C_rich_AGB2		12502	CDMS	-110-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Highmass_SFR UM 13502 CDMS noc. 200214 10002 10000 10000 3.00 0.0020 0 Lowmass_hot_corino Lowmass_hot_mol_outlow noc. 7.00214 10002-8 0.0020 100.00 1.00 3.00 0.0020 0 Lowmass_hot_corino Lowmass_hot_corino 13502 CDMS noc. 7.00214 1.002-8 0.0020 100.00 1.00 3.00 0.0020 0 Massize_star_fidee Orion_stended_ridge noc. 7.00214 1.002-8 0.0020 100.00 1.00 3.00 0.0020 0 0.000 0.000 1.00 3.00 0.0020 0 0.00 0.000 0.00 1.00 3.00 0.0020 0 0.00 0.00 1.00 3.00 0.0020 0 0.00 1.00 3.00 0.0020 0 0.00 1.00 3.00 0.0020 0 0.0020 0 0.00 1.00 3.00 0.0020 0 0 0.00 1.00 3.00 0.0020 0 0.0020 0 0.0020 0 0.0020 <td>COs</td> <td>C-13</td> <td>13501</td> <td>CDMS</td> <td>-no-</td> <td>7.00E14</td> <td>1.00E-8</td> <td>0.00E0</td> <td>100.00</td> <td>10.00</td> <td>1.00</td> <td>3.00</td> <td>0.00E0</td> <td></td>	COs	C-13	13501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
ISM Lowmass_fhot_corino Lowmass_rich_mol_outflow Massive_star_forming_region Orion compact_ridgo Orion_plateau_hvf Orion_plateau_hvf Orion_plateau_hvf Orion_plateau_hvf Drion_plateau_hvf isoaccicau Species of the new template Species of the new template Species of the new template Species of the new template Import Export Delete Add Clear the new template Save as	Highmass_SFR	CH	13502	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00F0	
Lowmass_hot_corino Cit+, v= 13504 (CMS) -no- 7.00E14 1.00E-s 0.00E0 10.00 1.00 3.00 0.00E0 -	ISM	CH+	13503	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Lowmass_rich_mol_outflow Massive_star_forming_region Orion, compact_ridge Orion, hot_core Orion, plateau_hvf Orion, plateau_hvf X_gal Import Export Delete Massive_star_forming_region Delete Massive_star_forming_region Orion, plateau_hvf X_gal Massive_star_forming_region Orion, plateau_hvf X_gal Massive_star_forming_region Orion, plateau_hvf X_gal Massive_star_forming_region Orion, plateau_hvf X_gal Massive_star_forming_region Orion, plateau_hvf X_gal Massive_star_forming_region Orion, plateau_hvf Delete Massive_star_forming_region Orion, plateau_hvf Delete Massive_star_forming_region Orion, plateau_hvf Delete Massive_star_forming_region Orion, plateau_hvf Delete Massive_star_forming_region Orion, plateau_hvf Delete Add Clear the new template Save as	Lowmass_hot_corino	CH+, v=	13504	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Massive_star_forming_region Orion_compatient_ridge Orion_extended_ridge Orion_plateau_hvf Orion_plateau_hvf X_gal The port Export Detete Massive_star_forming_region Orion_on_extended_ridge Orion_plateau_hvf X_gal	Lowmass_rich_mol_outflow	CH+, v=	13505	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Orion, compact_ridge Add selected species to the new template Orion, hot, core Species of the new template Orion, plateau_lvf X_gal X_gal Species Tag D8 CO, v=0 28503 CDMS co.dat&cp 7.00E14 1.00E-8 2.00E-5 100.00 1.00 3.00 0.00E0 etable etable	Massive_star_forming_region	C-12-+	12506	CDMS	-00-	7.00514	1.005-8	0.0050	100.00	10.00	1.00	3.00	0.0050	
Orion, extended_ridge Orion, plateau_lwf Orion, plateau_lwf Species of the new template N(H2) [cm^-1]: [Orion_compact_ridge					Add	selected s	pecies to the	e new temp	ate				
Orion, hot_core Species of the new template Orion, plateau_lvf X, gal Species of the new template N(H ₂) (cm ⁻¹]: [Orion_extended_ridge													
Orion_plateau_lvf Species of the few denplate X.gal NH2 (cm ⁻¹): [_] Species of the few denplate NH2 (cm ⁻¹): [_] Species Tag DB CO, v=0 28503 CDMS co.dat&(p) 7.00E14 1.00E-8 2.00E-5 100.00 1.00 3.00 0.00E0 Import Export Delete Add Clear the new template	Orion_hot_core	-Species of t												
Orion_plateau_lvf N(H2) [cm ⁻¹]:]	Orion_plateau_hvf	species of th	ne new tem	plate										
X_gal Species Tag D8 Coll C-Dens Abun Beta Tex TKin Fwhm Size Vexp Selected CO, v=0 28503 CDMS co.dat&p 7.00E14 1.00E=8 2.00E=5 100.00 10.00 3.00 0.00E0 v Import Export Delete Add Clear the new template Save as	Orion_plateau_lvf	N(H ₂) [cm ⁻²]]: 1											
Import Export Delete	X_gal	Species	Тал	DB	Coll	C-Dens	Abun	Reta	Tex	TKin	Fwhm	Size	Vaun	Selected
Import Export Delete Add Clear the new template Save as		CO y=0	28503	CDMS	co dat&(n	7 00F14	1 00F-8	2 00F-5	100.00	10.00	1.00	3 00	0.00E	0
Import Export Delete Add Clear the new template Save as														
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00		Manage Te	mplates – d	atabase fron	n SQLITE (cas	sis2014020	5.db)					
Templates of CASSIS	Species of	the selected templater	k on	a coli	ımn h	eader	r to					
All Species	Species	Tag A DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vexp	Selected
Full CDMS	H-atom	1001 JPLord	er all	speci	ος.00λ7i1	hing	reaci	nσ/0.00	1.00	3.00	0.00E0	
Full JPL	HI	1101 NIS		37.00E14	- 1.00E-8	0.0020	100.90	6 /10.00	1.00	3.00	0.00E0	
Full NIST	D-atom	2001 JPL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Full VASTEL	HD	3001 JPL DEC	reasir	1g van	lesooi	UNIS (COIUN	10.00	1.00	3.00	0.00E0	
C_rich_AGB1	HD	3501 CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
C_rich_AGB2	H2D+	4001 JPL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
COs	Hell	4101 NIST	-110-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Highmass_SFR	H2D+	4501 CDMS	-110-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
ISM	p-H2D+	4581 VASTEL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Lowmass_hot_corino	o-H2D+	4591 VASTEL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Lowmass_rich_mol_outflow	HD2+	5501 CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Massive_star_forming_region	Halls	5502 CDMS	-no-	7 00614	1.005-8	0.0050	100.00	10.00	1.00	3.00	0.0050	
Orion_compact_ridge				A	dd selected s	pecies to the	e new temp	late				
Orion_extended_ridge												
Orion_hot_core												
Orion_plateau_hvf	Species of	the new template										
Orion_plateau_lvf	N(H ₂) [cm ⁻	2]: 1										
X_gal	Species	Tag DB	Coll	C-Dens	Abun	Reta	Ταν	TKin	Ewhm	Sizo	V	Selected
	CO v=0	28503 CDMS	co dat&(n	7 00F14	1.00F-8	2 00F-5	100.00	10.00	1.00	3.00	0 00E	
		20303 00113	co.uuta(p.	. 7.00214	1.002 0	2.002 5	100.00	10.00	1.00	5.00	0.002	
Import Export Delete				Add	Clear t	he new temp	late S	ave as				
Export Delete				7.50.61	creat t	temp						

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		Manage -	Templates – c	latabase from S	QLITE (cassis	20140205	.db)						
	Species of	the selected template	s										_
	Species	Right-clic	rk on '	Specie	soun to	oper	Тех	TKin	Fwhm	Size	Vexp	Selected	T
	H-atom	Q001JPL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		1.
	HI	th 2101 MST a	-no-	Z 00E14	1.00 E=8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		E
	D-atom	une speci	162°269	LI GIODE XVI		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	L.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		4
	Hei	4101 NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		4
	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-	7.00514	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		4
Lowman hat caring	p-H2D+	4581 VASTEL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Lowmass_not_corino	o-H2D+	4591 VASTEL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		4
Lowmass_rich_mol_outflow	HD2+	5501 CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Massive_star_forming_region		5502 CDMS	-00-	7.00514	1 005-8	0.00E0	100.00	10.00	1 00	3 00	0.0050		÷.
Orion_compact_ridge Orion_extended_ridge				Add	selected spe	cies to the	new templ	ate					
Orion_hot_core													
Orion_plateau_hvf	Species of	the new template											
Orion_plateau_lvf	N(H ₂) [cm ⁻	²]: <u>1</u>											
A_gai	Species	Tag DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vexp	Selecte	d
	CO, v=0	28503 CDMS	co.dat&(p	7.00E14	1.00E-8	2.00E-5	100.00	10.00	1.00	3.00	0.00E	0	
Import Export Delete				Add	Clear the	new templ	ate Sa	ave as					-



00														
HC3N	Type the formul	a	case-	sensitive)	ofate	Actabase from S	QLITE (cass	is2014020	5.db)					
HC3N, $v=0$	species you lool	Ĉſ	Species of t	the selected templates	the	desired	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
HC2N v7-1		=	H-atom	1001 JPL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
HCSN, V7=2	species (do not	us	e the	Enter/Kei	urn	Key OF14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
HC3N, v6=1			HD	3001 JPL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
HC3N, v6=v7	=1		HD	3501 CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
HC3N. v4=1			H2D+	4001 JPL 4101 NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
HC3N $v4=v7$	-1		Hell	4102 NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
11031, 14-17	-1	-	H2D+	4501 CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
	Lowmass hot corino		p-H2D+	4581 VASTEL	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
	Lowmass_rich_mol_outflow		0-HZD+ HD2+	4591 VASTEL 5501 CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
	Massive_star_forming_region			5502 CDMS	-110-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
	Orion_compact_ridge					Add	selected sp	ecies to th	e new templa	ate				
	Orion_hot_core		- Spacias of 1	ha now tomplato									~~~~~	
	Orion_plateau_hvf Orion_plateau_lvf		N(H ₂) [cm ⁻¹											
	X_gal		Species		Co	C-Dons	Abun	Rota	Tex	Tkin	Ewhm	Sizo	V	Salactad
			CO, v=0	28503 CDMS	co.dat&	(p 7.00E14	1.00E-8	2.00E-5	100.00	10.00	1.00	3.00	0.00E) V
	Import Export Delete					Add	Clear th	e new temp	olate Sa	ve as				





00			Manage T	emplates – d	atabase from	SQLITE (cas	sis2014020	5.db)						
Templates of CASSIS	Species of	the selected	templates											
All Species	Species	Tag 🔺	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vexp	Selected	
Full CDMS	V XX	51120	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Full JPL	V XXI	51121	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Full NIST	V XXII	51122	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Full VASTEL	V XXIII	51123	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
C_rich_AGB1	HC3N, V=0	51501	CDMS	hc3n.dat	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		41
C_rich_AGB2	HC3N, V/	51502	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		-
COs		51503	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Highmass_SFR	HC3N V6	51504	CDMS	-110-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		411
ISM	HC3N v4	51505	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Lowmass_hot_corino	HC3N, v4	51507	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00F0		11
Lowmass_rich_mol_outflow	HC3N, v5	51508	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Massive_star_forming_region	HC2N VA	51500	CDMS	-00-	7.00514	1.005-8	0.0050	100.00	10.00	1.00	3.00	0.0050		1
Orion_compact_ridge					Ad	d selected s	pecies to the	e new templ	ate					
Orion_extended_ridge														
Orion_hot_core	A . 	•••••	••••••											
Orion_plateau_hvf	Species of	the new tem	plate											
Orion_plateau_lvf	N(H ₂) [cm ⁻	²]: 1												
X_gal	Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vexp	Selecte	d
	CO, v=0	28503	CDMS	co.dat&(p	7.00E14	1.00E-8	2.00E-5	100.00	10.00	1.00	3.00	0.00E	0	
Import Export Delete					Add	Clear t	ne new temp	olate Sa	ave as					





0 0			Manage T	emplates - da	atabase from	SQLITE (cas	sis2014020	05.db)					
nplates of CASSIS	Species of t	he selected	templates	5									
Species	Species	Tag 🔺	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vexp	Selected
II CDMS	V XX	51120	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	<u> </u>
II JPL	V XXI	51121	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
II NIST	VXXII	51122	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
II VASTEL	VXXIII	51123	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
rich_AGB1	HC3N, V=0	51501		ncsn.dat	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
ich_AGB2	HC3N, V7	51502		-110-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
s	HC3N V6	51503		-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	100	to sel
hmass_SFR	HC3N, V6	51505	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00F0	LU SCI
	HC3N, v4	51506	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
mass_hot_corino	HC3N, v4	51507	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
vmass_rich_mol_outflow	HC3N, v5	51508	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
ssive_star_forming_region	HC3N VA	51500	CDMS	-no-	7.00514	1.005-8	0.0050	100.00	10.00	1 00	3.00	0.0050	
on_compact_ridge					Ad	d selected s	pecies to th	e new temp	late				
on_extended_ridge						a serected s	pecies to th	e new temp	are				
on_hot_core									*************		**************		
on_plateau_hvf	Species of t	he new ten	1plate										
on_plateau_lvf	N(H ₂) [cm ⁻¹]: 1											
al		·					_	_				V	
	Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	v _{exp}	Selected
	CO, v=0	28503	3 CDMS	co.dat&(p	7.00E14	1.00E-8	2.00E-5	100.00	10.00	1.00	3.00	0.00E	0
nuest Funest Delete					Add	Clear t	ne new tem	plate S	ave as				

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I. Create a template



Search for and select all the other cyanopolyynes $HC_{2n+1}N$ ($n \ge 1$) and click on "Add selected species to the new template"

Templates of CASSIS Species of the selected templates Colspan="2">Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspa
All Species Tag D8 Coll C-Dens Abun Beta Tex TKin Fwhm Size Verso Selected Full CDMS Fi 167101 NIST -no- 7.00E14 1.00E-8 0.00E0 100.00 1.000 3.00 0.00E0 - Full NST Fill NST -no- 7.00E14 1.00E-8 0.00E0 100.00 1.000 3.00 0.00E0 - Crich AGB1 C,rich AGB1 -no- 7.00E14 1.00E-8 0.00E0 100.00 1.000 3.00 0.00E0 - Crich AGB2 COS 173101 NIST -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 - IsM 173101 NIST -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 - - - - - - - - - - - - - - - -
Full DOMS Full DPL Full NPL Full NPL Full NST
Full JPL Full NST Full XSTEL C, rich, AGB1 Image: constraint of the second
Full NIST Tn1 169101 NIST -no- 7.00E14 1.00E-8 0.00E0 100.00 10.00 3.00 0.00E0 Crich, AGB1 Crich, AGB2 -no- 7.00E14 1.00E-8 0.00E0 100.00 10.00 3.00 0.00E0 0 Cos
Full VASTEL C,rich_AGB1 C,rich_AGB2 0.000 10.00 1.00 3.00 0.0000 0.000 C,rich_AGB2 Cos 173102 NIST -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 0.00E0 Cos Highmass_SFR 11 173102 NIST -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 0.00E0 Low mass_ind_corino Lui 175102 NIST -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 0.0
C_rich_AGB1 C_rich_AGB2 Cos 100:00 100:00 100:00 100:00 3.00 0.00E0 V C_rich_AGB2 Cos Vb 173102 NIST -no- 7.00E14 1.00E-8 0.00E0 100:00 10.00 3.00 0.00E0 V Vb I 173102 NIST -no- 7.00E14 1.00E-8 0.00E0 100:00 10.00 3.00 0.00E0 V Lu 175102 NIST -no- 7.00E14 1.00E-8 0.00E0 100:00 10.00 3.00 0.00E0 V Lu 175102 NIST -no- 7.00E14 1.00E-8 0.00E0 100:00 10.00 3.00 0.00E0 V Lu 175102 NIST -no- 7.00E14 1.00E-8 0.00E0 100:00 10.00 3.00 0.00E0 V Lu 178101 NIST -no- 7.00E14 1.00E-8 0.00E0 100:00 10.00 3.00 0.00E0 V N Grion_phateau_lvf Tai 188101 NIST -no- 7.00E14 1.00E-8 0.00E0 100:0
C_rich_AGB2 701 173101NIS1 -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 1 Cos Highmass_SFR ISM ISM 1075102 NIST -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 1 Lowmass_hot_corino Lui 175102 NIST -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 1 Lowmass_ictm_mol_outflow Massive_star_forming_region 00000 100.00 1.00 3.00 0.00E0 1 1.00 3.00 0.00E0 1 1.00 3.00 0.00E0 1 1.00 1.00 3.00 0.00E0 1 1.00 1.00 3.00 0.00E0 1 1.00
COs 17 11 0 173102 NIST -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 Highmass_SFR ISM International State 1.00E-8 0.00E0 100.00 10.00 1.00 3.00 0.00E0 International State Lowmass_hot_corino Lowmass_rich_mol_outflow Massive_star_forming_region 0.00E0 100.00 10.00 1.00 3.00 0.00E0 International State Massive_star_forming_region Orion_compact_ridge -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 International State Orion_plateau_lvf X.gal 100.00 International State 100.00 100.00 1.00 3.00 0.00E0 International State Species of the new template N(H2) [cm^-2]: [1
Highmass_SFR ISM Lowmass_hot_corino Lowmass_rich_mol_outflow Massive_star_forming_region Orion_ongnact_ridge Orion_blateau_lvf Orion_plateau_lvf X_gal
ISM 101 1178101 105 100 10000 100000
Lowmass_hot_corino Lowmass_rich_mol_outflow Massive_star_forming_region Orion_compact_ridge Orion_hot_core Orion_plateau_hvf Orion_plateau_lvf X_gal Species of the new template N(H_2) (cm^-2): 1 Species of the new template N(H_2) (cm^-2): 1 Species of the new template Species of the new template N(H_2) (cm^-2): 1 Species of the new template N(H_2) (cm^-2): 1 N(H_2) (cm^-2)
Lowmass_rich_mol_outflow Massive_star_forming_region Orion_compact_ridge Orion_extended_ridge Orion_hot_core Orion_plateau_hvf Orion_plateau_ivf X_gal Species Tag DB Coll C-Dens Abun Beta Tex TKin Fwhm Size Vexp Selected HC3N, v=0 51501 CDMS HC3N, v=0 75503 CDMS HC7N, v=0 750314 HC7N, v=0 750314 HC3N, v=0 70014 HC3N, v=0 750314 HC3N, v=0 70014 HC3N, v=0 750314 HC3N, v=0 70014 HC3N, v=0 70014 HC3N, v=0 70014
Massive_star_forming_region Massive_star_forming_region Add selected species to the new template Species to the new template Orion_compatt_ridge Orion_hot_core Orion_plateau_hvf Species of the new template Species of the new template N(H_2) [cm^-2] : 1
Orion_compact_ridge Orion_extended_ridge Orion_hot_core Orion_plateau_hvf Orion_plateau_lvf X_gal Species of the new template Species to the new template Species of the new template N(H_2) [cm^{-2}] : 1 N(H_2) [cm^{-2}] : 1 Species Tag DB Coll C-Dens Abun Beta Tex TKin Fwhm Size V_exp Selected N(H_2) [cm^{-2}] : 1
Orion_extended_ridge Orion_hot_core Orion_plateau_hvf Orion_plateau_lvf X_gal Species of the new template N(H_2) [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& 7.00E14 1.00E-8 0.00E0 100.00 10.00 1.00 3.00 0.00E0 ✓ HC5N, v=0 75503 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 10.00 1.00 3.00 0.00E0 ✓ HC7N, v=0 99501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 10.00 1.00 3.00 0.00E0 ✓ HC9N 123501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 10.00 1.00 3.00 0.00E0 ✓ HC11N 147501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 10.00 1.00 3.00 0.00E0 ✓ HC11N 147501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 10.00 1.00 3.00 0.00E0 ✓ HC13N 171501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 10.00 1.00 3.00 0.00E0 ✓
Orion_hot_core Species of the new template Orion_plateau_lvf N(H_2) [cm ⁻²]: 1 X_gal Species Tag DB Coll C-Dens Abun Beta Tex TKin Fwhm Size Vexp Selected HC3N, v=0 51501 CDMS hc3n.dat& 7.00E14 1.00E-8 0.00E0 100.00 10.00 1.00 3.00 0.00E0 I HC5N, v=0 75503 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 10.00 1.00 3.00 0.00E0 I HC7N, v=0 99501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 10.00 1.00 3.00 0.00E0 I HC3N 123501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 10.00 1.00 3.00 0.00E0 I HC3N 123501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 10.00 1.00 3.00 0.00E0 I HC3N 123501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 10.00 1.00 3.00 0.00E0 I HC11N 147501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 10.00 1.00 3.00 0.00E0 I HC13N 171501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 10.00 1.00 3.00 0.00E0 I
Orion_plateau_hvf Orion_plateau_lvf X_gal N(H_2) [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& 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC5N, v=0 75503 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC7N, v=0 99501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC3N 123501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC3N 123501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC11N 147501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC13N 1
Orion_plateau_ivr X_gal Species Tag DB Coll C-Dens Abun Beta Tex TKin Fwhm Size Vexp Selected HC3N, v=0 51501 CDMS hc3n.dat& 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC5N, v=0 75503 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC7N, v=0 99501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC3N 123501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC11N 147501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC13N 171501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓
Species Tag DB Coll C-Dens Abun Beta Tex TKin Fwhm Size Vexp Selected HC3N, v=0 51501 CDMS hc3n.dat& 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC5N, v=0 75503 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC7N, v=0 99501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC9N 123501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC11N 147501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC11N 147501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00
HC3N, v=0 51501 CDMS hc3n.dat& 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC5N, v=0 75503 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC7N, v=0 99501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC9N 123501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC1N 147501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC1N 147501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓ HC13N 171501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 ✓
HCSN, v=0 75503 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 Image: Comparison of the co
HC7N, v=0 99501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 Image: constraint of the state of th
HC3N 123501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 3.00 0.00E0 Image: Comparison of the compar
HC11N 147501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 10.00 3.00 0.00E0 Image:
HCISN 171301 CDWS -10- 7.00214 1.002-0 0.0020 100.00 10.00 1.00 3.00 0.0020 2
Import Export Delete Add Clear the new template Save as



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Templates of CASSIS

I. Create a template

Manage Templates - database from SQLITE (cassis20140205.db)

Species of the selected templates

irap

All Species	1	Species	Tag 🔺	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vexp	Selected	
Full CDMS		Erl	167101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Full JPL		Er II	167102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Full NIST		Tml	169101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Full VASTEL		Tm II	169102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
C rich AGB1		HC13N	171501	. CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	~	
C rich AGB2	100	Yb I	173101	. NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
COs		Yb II	173102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Highmass SFR		Lul	175101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
ISM		Lull	175102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Lowmass hot corino		HTI	178101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Lowmass_rich_mol_outflow		HTI	1/8102		-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Massive star forming region		lal	181101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		-
Orion compact ridge		147.1	18/101	RIIST	- <u>no</u> -	700512	1 1116 - 8	THE REAL				2 100	TO THISE TO		
Orion_compact_ridge						Add	d selected s	pecies to th	ne new temp	ate					
Orion_extended_ridge	1														
Orion_not_core	l ár	Species of t	he new ten	nplate											
Orion_plateau_nvr	100	N/II > I	1.	-prate											
Orion_plateau_lvr		N(H ₂) [cm -	1:1												
x_gai	and a	Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vexp	Selecter	ł
		HC3N, v=0	5150	L CDMS	hc3n.dat	7.0E15	1.00E-8	0.00E0	50.00	10.00	1.0	0 3.00	0.00E	0	
		HC5N, v=0	7550	3 CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	0 1.0	0 3.00	0.00E	0	
		HC7N, v=0	9950	L CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	1.0	0 3.00	0.00E	0	
		HC9N	12350	L CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	1.0	0 3.00	0.00E	0	
	100	HC11N	14750	L CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	1.0	0 3.00	0.00E	0	
		HC13N	17150	L CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	1.0	0 3.00	0.00E	0 🖌	
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Import Export Delete

Clear the new template Save as





Do this for as many fields as desired, for example :

000			Manage Te	emplates - da	atabase from	SQLITE (case	sis2014020	5.db)					
Templates of CASSIS	Species of t	he selected	templates										
All Species	Species	Tag 🔺	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vexn	Selected
Full CDMS	Fri	167101	NIST	-no-	7.00F14	1.00F-8	0.00F0	100.00	10.00	1.00	3.00	0.00F0	
	Erll	167102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
	Tm I	169101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
	Tm II	169102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
	HC13N	171501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	V
	Yb I	173101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
C_ricn_AGB2	Yb II	173102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
COS	Lu I	175101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Highmass_SFR	Lu II	175102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
ISM	Hfl	178101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Lowmass_hot_corino	Hf II	178102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Lowmass_rich_mol_outflow	Tal	181101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Massive_star_forming_region	M/ I	18/101	NIST	-no-	7 00514	1 005-8	0.0050	100.00	10.00	1.00	3.00	0.0050	
Orion_compact_ridge					Add	selected st	ecies to the	new templa	ate				
Orion_extended_ridge													
Orion_hot_core	A . 												
Orion_plateau_hvf	Species of t	he new tem	plate										
Orion_plateau_lvf	N(H ₂) [cm ⁻²]: 1											
X_gal		-					-					V	
	Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	vexp	Selected
	HC3N, v=0	51501	CDMS	hc3n.dat&	7.00E15	1.00E-8	0.00E0	50.00	10.00	1.00	3.00	0.00E0	
	HC5N, v=0	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	1.00	3.00	0.00E0	
	HC/N, V=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	1.00	3.00	0.00E0	
	HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	1.00	3.00	0.00E0	
	HCIIN	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	1.00	3.00	0.00E0	
	HUISN	1/1501	CDIMS	-00-	2.30E13	1.00E-6	0.00E0	50.00	10.00	1.00	5.00	0.00E0	
	1000												
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Import Export Delete					Add	Clear th	e new temp	late Sa	ve as				





remplates of CASSIS	Species of	the selected	templates	5				,					
All Species	Species	Tag 🔺	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
Full CDMS	Erl	167101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Full JPL	Er II	167102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Full NIST	Tm I	169101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Full VASTEL	Tm II	169102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
C_rich_AGB1	HCI3N	1/1501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
C_rich_AGB2	YD I	173101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
COs		175102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Highmass_SFR		175101	NIST	-110-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
ISM	Hfl	178101	NIST	-110-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Lowmass_hot_corino	Hfll	178102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Lowmass_rich_mol_outflow	Tal	181101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Massive star forming region	M I	184101	MIST	-no-	7.00E14	1.005-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Orion compact ridge					Ad	d coloctod c	nacios to th	now tomp	late				
Orion extended ridge					Au	u selecteu s	pecies to th	e new temp	late				
Orion hot core	A . ..												
Orion plateau hvf	Species of	the new tem	plate										
Orion plateau lyf	N(H ₂) [cm ⁻	21: 1											
X gal		1.1			Ta						\frown		
-9u	Species	Tag	DB	Coll	d-Onsa	ssign	the s	ame	value	towall	Size	V _{exp}	Select
	HC3N, v=0	51501	CDMS	hc3n.dat&.	7.00E15	1.00E-8	0.00E0	50.00	10.00	1.00	3.00	0.00E	E0 🖌
	HC5N, v=0	75503	CDMS			C120E	n the	COPPO	$mn^{10}n^{0}$	bader	3.00	0.00E	E0 🖌
	HC7N, v=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	rad <u>r</u> .00	3.00	0.00E	E0 🔽
	HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00) 1.00	3.00	0.00E	E0 🖌
	HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	0.00	3.00	0.00E	E0 🖌
	HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	0 1.00	3.00	0.00E	E0 🖌
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Templates of CASSIS Species of the selected templates Puil GNAS Fill Species Tag ~ Del Coll C-Dens Abun Beta Tex Tex Tex Tex Species Species<	00			Manage T	'emplates – da	atabase from	SQLITE (cas	sis2014020	5.db)					
No. Species Tig A DB Coli Coline Abum Bear Tex Triin Perint Species Fill Perint Species Tig Species Species Species Species Species Tig Species Species Species Species Species Species Species Species Species	Templates of CASSIS	Species of t	he selected	template	s									
Full COMS Frill JPL Frill JPL Frill JPL Frill ST Frill JPL Source JONE 14	All Species	Species	Tag 🔺	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vexp	Selected
Full NST Fill NST no 7.00114 1.001 3.00 0.0000 10.00 1.00 3.00 0.0000 Full NST Fill NST no 7.00114 1.001 8.0000 10.00 1.00 3.00 0.0000 Crich, AGB2 Cos 1.001 1.001 1.001 1.001 1.001 3.00 0.0000 Cych, AGB2 Cos 1.001 1.001 1.000 1.00 1.00 3.00 0.0000 Cos 1.011 1.011 1.001 1.001 1.000 1.00 1.00 3.00 0.0000 Uswass, find, corino 1.001 1.001 1.001 1.001 1.001 3.00 0.0000 1.001 1.00 3.00 0.0000 1.001 1.00 3.00 0.0000 1.00 1.00 3.00 0.0000 1.00 1.00 3.00 0.0000 1.00 1.00 3.00 0.0000 1.00 3.00 0.0000 1.00 3.00 0.0000 1.00 3.00 0.0000 1.00 1.00 3.00 0.0000 1.00 <t< td=""><td>Full CDMS</td><td>Erl</td><td>167101</td><td>NIST</td><td>-no-</td><td>7.00E14</td><td>1.00E-8</td><td>0.00E0</td><td>100.00</td><td>10.00</td><td>1.00</td><td>3.00</td><td>0.00E0</td><td></td></t<>	Full CDMS	Erl	167101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Full WST Timi 169101 NST -no- 7.00E14 1.00E-8 0.00E0 10.00 3.00 0.00E0 C,rdt, AGE1 C,rdt, AGE3 C.rdt, AGE3	Full JPL	Er II	167102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Full VASTEL C, rich, AGR2 Tm II 169102 NIST -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 C, rich, AGR2 COS 10.10 1.01 1.00 3.00 0.00E0 1.00 1.00 3.00 0.00E0 C, rich, AGR2 COS 10.10 1.00 1.00 1.00 3.00 0.00E0 1.00	Full NIST	Tm I	169101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Cr, rich, AGE1 Cr, rich, AGE1 Cost HC13N 171501 COMS -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 E COS Tybin 173102 NIST -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 E COS Tybin 173102 NIST -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 E Lowmass, Fick, runol, sutflow Massive, star, forming, region 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 E Orion, compact, ridge Train 121101 NIST -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 Orion, stated, ridge Train Train and train an	Full VASTEL	Tm II	169102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
C-rdt, ACB2 COs Highmass SFR Stresson SM Umass biol corino Commass, biol corino 173101 NST Commass, biol corino Coole Umass, biol corino Coole Mass, bot corino Coole Commass, biol corino Coole Corino, corino Coole <tr< td=""><td>C rich AGB1</td><td>HC13N</td><td>171501</td><td>CDMS</td><td>-no-</td><td>7.00E14</td><td>1.00E-8</td><td>0.00E0</td><td>100.00</td><td>10.00</td><td>1.00</td><td>3.00</td><td>0.00E0</td><td></td></tr<>	C rich AGB1	HC13N	171501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Construct Yb II 173102 MST -no- 7.00E14 1.00E-8 0.00E0 1.0.00 1.00 3.00 0.000E0 Mightings_SFR III 175101 MST -no- 7.00E14 1.00E-8 0.00E0 10.0.00 1.00 3.00 0.000E0 Lowmass_hot_corino Lowmass_hot_corino Low IIII NST -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.000E0 Massis_str_th_mol_cutflow Massis_str_th_mol_cutflow -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 Toino, strended_ridg Orion, charact_ridge -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 Orion, hateu_l/Y X_gal Species of the new template - </td <td>C rich AGB2</td> <td>Yb I</td> <td>173101</td> <td>NIST</td> <td>-no-</td> <td>7.00E14</td> <td>1.00E-8</td> <td>0.00E0</td> <td>100.00</td> <td>10.00</td> <td>1.00</td> <td>3.00</td> <td>0.00E0</td> <td></td>	C rich AGB2	Yb I	173101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Highmass_SFR Lui 175101 MIST -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 Isomass_Mot_confo Import 175101 MIST -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 Isomass_Mot_confo Import 175101 MIST -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 Massive_star_forming_region roins_stendd_ridge roids roids 3.00 0.00E0 10.00 1.00 3.00 0.00E0 Orins_pateau_Mr X_gal Import 18102 MIST -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 Orins_pateau_Mr X_gal Import 18102 MIST -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 Orins_pateau_Mr X_gal Import Import Import Import Import Import Import Import	COs	Yb II	173102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Isa Isa 175102/NS -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 Lowmass_hot_corino commass_hot_corino no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 Massis_hot_corino montextended_ridge rino no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 3.00 0.00E0 Orino, stended_ridge rino no none stended_ridge none stended_r	Highmass SFR		175101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Immunity Instrument Instrumen	ISM		175102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Internet	Lowmass hot corino	HTI	178101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Instruction Control Contro Control <thcontrol< th=""></thcontrol<>	Lowmass rich mol outflow	HT II	178102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
massing star of the set of the new template Add selected species to the new template Orion_compateau_hvf Species of the new template Orion_bitatau_hvf N(H2) (cm^2): [Massive star forming region	la l	181101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Species of the new template Orion_stateal_infg Orion_plateal_infg Orion_plateal_infg Species of the new template NH2_1 (cm ⁻²): [Orion compact ridge	1342												
Mindle Zeterined_ingle Orion, bit, Core Orion, plateau_lwf Orion, plateau_lwf NH2 (cm *2) : [Orion_extended_ridge					Add	d selected s	pecies to the	e new templ	ate				
Orion_jiac_core Orion_plateau_hvf Orion_plateau_hvf Species of the new template NH2} [cm^2]: [Orion hot core													
Orion_platesu_lvf Vexp Size Size Size Size Size Size Size Size Size Size <td>Orion_not_core</td> <td>Species of t</td> <td>he new tem</td> <td>plate</td> <td></td>	Orion_not_core	Species of t	he new tem	plate										
Of Displaced_UV X_gal Species Tag DB Coll C-Dens Abun Beta Tex TKin Pwhm Size Vexp Si HCSN, v=0 55503 (DMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HCSN, v=0 95501 (DMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HCSN, v=0 95501 (DMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HCSN, v=0 95501 (DMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC1N 147501 (DMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC1N 147501 (DMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC1N 171501 (DMS -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 30.00	Orion_plateau_hvf	N(LL) fem ⁻²	1											
Species Tag DB Coll C-Dens Abun Beta Tex TKin Fwhm Size Vexp Si HC3N, v=0 51501 CDMs hc3n.dat& 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC3N, v=0 99501 CDMs -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC3N, v=0 99501 CDMs -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC3N, v=0 99501 CDMs -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC3N 127501 CDMs -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC13N 171501 CDMs -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0	Orion_plateau_lvr	N(H ₂) [Cm	1:1											
HC3N, v=0 51501 CMS hc3n dat& 7.00E14 1.00E-8 0.00E0 10.00 1.00 30.00 0.00E0 HC5N, v=0 75503 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC5N, v=0 95501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC7N, v=0 95501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC7N, v=0 95501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC1N 125501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 10.00 30.00 0.00E0 HC1N 171501 CDMS -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 30.00 0.00E0	x_gai	Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selecte
HCSN, v=0 75503 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HCZN, v=0 99501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HCSN, v=0 99501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HCSN, v=0 123501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC1N 147501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC1N 147501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC1N 171501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0		HC3N, v=0	51501	CDMS	hc3n.dat&	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	30.00	0.00E	0
HC7N, y=0 99501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC9N 123501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC13N 173501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC13N 171501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0		HC5N, v=0	75503	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	30.00	0.00E	0
HC9N 123501 CDMS -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 30.00 0.00E0 HC1N 147501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC1N 147501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC1N 171501 CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0		HC7N, v=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	30.00	0.00E	0
HC11N 147501CDMS -no- 7.00E14 1.00E-8 0.00E0 10.00 1.00 30.00 0.00E0 HC13N 171501CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 HC13N 171501CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0		HC9N	123501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	30.00	0.00E	0
HC13N 171501CDMS -no- 7.00E14 1.00E-8 0.00E0 100.00 1.00 30.00 0.00E0 Import Export Delete Add Clear the new template Save as		HC11N	147501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	30.00	0.00E	0
Innort Export Delete Add Clear the new template Save as		HC13N	171501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	30.00	0.00E	.0
Import Export Delete Add Clear the new template Save as														
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Import Export Delete Add Clear the new template Save as														
Import Export Delete Add Clear the new template Save as														
Import Export Delete Add Clear the new template Save as														
	Import Export Delete					Add	Clear th	ne new temp	olate Sa	ave as				



Do the same for other parameters, e.g. Tex and Fwhm. When you are satisfied, click "Save as"

$\Theta \Theta \Theta$			Manage T	emplates – da	atabase from	SQLITE (cas	sis2014020	5.db)						
Templates of CASSIS	Species of t	he selected	templates											-
All Species	Species	Tag 🔺	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vexp	Selected	
Full CDMS	Erl	167101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Full IPI	Er II	167102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Full NIST	Tm I	169101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
	Tm II	169102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
	HC13N	171501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	V	
C rich ACR2	Yb I	173101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
C_rici_AGB2	Yb II	173102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
LUS Linhmans STR	Lul	175101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Highmass_SFK	Lu II	175102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
ISM	Hfl	178101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Lowmass_not_corino	Hf II	178102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Lowmass_ricn_mol_outriow	Tal	181101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		Ţ
Massive_star_forming_region	S MI	18/101	NIST	_no_	7 00614	1.005-8	0.00E0	100.00	10.00	1.00	3 00	0 0050		-
Orion_compact_ridge					Add	selected s	pecies to the	new templ	ate					
Orion_extended_ridge	á 💷 💷													
Orion_hot_core	- Species of t	ho now tom	nlate			************************								annan.
Orion_plateau_hvf	species of t	the new term	plate											
Orion_plateau_lvf	N(H ₂) [cm ⁻	·]: 1												
X_gal	Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vevn	Selected	
	HC3N, $v=0$	51501	CDMS	hc3n.dat&	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E		
	HC5N, v=0	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E) /	
	HC7N, v=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E		
	HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E)	
	HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E) 🔽	
	HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E) 🖌	
	1000													
Import Export Delete					Add	Clear t	ne new temp	ate Sa	ave as					

15





000			Manage T	emplates –	database from	SQLITE (cas	sis2014020	05.db)						
Templates of CASSIS	Species of	the selected	templates	5										
All Species	Species	Tag 🔺	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected	
Full CDMS	Erl	167101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		-
Full JPL	Er II	167102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Full NIST	Tm I	169101	. NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Full VASTEL	Tm II	169102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
C rich AGB1	HC13N	171501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	v	4.
C rich AGB2	Yb I	173101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		11
COS	Yb II	173102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		4.
Highmass SER	Lul	175101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		11
ISM	Lull	175102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		4.
Lowmass hot corino	Hfl	178101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		11
Lowmass_not_corno	Hf II	178102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Lowmass_ricn_mol_outriow	Tal	181101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0		
Massive_star_forming_region	BW I	18/101	NIST	-no-	7 00514	1 005-8	0 0050	100.00	10.00	1 00	3 00	0 0050		-
Orion_compact_ridge					Ad	d selected s	pecies to th	e new temp	late					
Orion_extended_ridge							-							
Orion_hot_core														
Orion_plateau_hvf	species of	the new ten	ipiate											
Orion_plateau_lvf	N(H ₂) [cm ⁻¹	²]: 1												
X_gal				C-114	C. D.		D - t -	T	THE	E de la com	<u></u>	V	Calasta	
	Species	Tag	DB	-	Save Temp	late	Pata	lex	I Kin	Fwhm	Size	Vexp	Selecte	d
	HC3N, $v=0$	5150	L CDMS		Save remp	iace		inter	une ^o n	ame		0.001	0	
	HC5N, v=0	7550	CDMS	Sav	ve template as:		DEO	50.00	10.00	5.00	30.00	0.001	:0 🔽	
	HC7N, v=0	9950	L CDMS		anonoharnas		TEO	om ⁵ b ⁰		bd di		V.00		
	HC9N	12350	L CDMS	<u>Cy</u>	anopolyynes									
	HC11N	14750.	L CDMS		ОК С	ancel	DEO	50.00	10.00	5.00	30.00	0.001	0	
	HC13N	17150				ancer	<u> </u>	oress ^o	there	eturn	Key.oc	0.00	20	
	0.000													
														_
Import Export Delete					Add	Clear t	he new tem	plate S	ave as					





	Species of t	he selected	templates										
All Species	Species	Tag 🔺	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vexp	Selected
Full CDMS	Erl	167101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Full JPL	Erll	167102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Full NIST	Tm I	169101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Full VASTEL	Tm II	169102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
C rich AGB1	HC13N	171501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
C rich AGB2	Ybl	173101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
COs	YDII	1/3102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Highmass SFR		175101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
ISM		175102	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Lowmass hot corino		178101	NIST	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
lowmass rich mol outflow		1/0102	NICT	-no-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Massive star forming region	I d I W I	184101	NIST	-110-	7.00E14	1.00E-8	0.00E0	100.00	10.00	1.00	3.00	0.00E0	
Orion compact ridge													
Orion extended ridge					Add	selected s	pecies to the	e new temp	ate				
Orion hot core						~~~~~							
Orion plateau hyf	Species of t	he new tem	plate										
Orion plateau lyf	N(H ₂) [cm ⁻²	1:1											
X gal		3 · 1											
	Species	Tag	DB	Coll	C_Done	Ahun	Reta	Tex	TKin	Fwhm	Size	Vexp	Selecte
	HC3N, v=0	51501	CDMS	00	Template Info	rmation	.00E0	50.00	10.00	5.00	30.00	0.00E	0
	HC5N, v=0	75503	CDMS	-			.00E0	50.00	10.00	5.00	30.00	0.00E	0
	HC7N, v=0	99501	CDMS	_ 🕕 N	ew template a	dded	.00E0	50.00	10.00	5.00	30.00	0.00E	0
	HC9N	123501	CDMS	_			.00E0	50.00	10.00	5.00	30.00	0.00E	
	HCIIN	147501	CDMS	-	OK		.00E0	50.00	10.00	5.00	30.00	0.00E	
	HCI3N	1/1501	CDMS	-			.00E0	50.00	10.00	5.00	30.00	0.00E	
	1000												
	1000												





(00			Manage Te	emplates – da	tabase from S	SQLITE (case	sis20140205	.db)					
L.	Templates of CASSIS	Species of	he selected	d templates										
	All Species	Species	Tag 🔺	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vexp	Selecte
	Full CDMS	HC3N, v=0	5150	1 CDMS	hc3n.dat&	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	
	Full JPL	HC5N, v=0	7550	3 CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	~
	Full NIST	HC/N, V=0	12250		-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	
	Full VASTEL	HC11N	14750		-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	
	C_rich_AGB1	HC13N	17150	1 CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	-
	C_rich_AGB2													
	LUS Highmass SEP													
	ngnmass_srk ISM													
	Lowmass hot corino	-												
	Lowmass_not_conno													
	Massive star forming region													
	Orion compact ridge					Add	colocted or	acies to the	now tompla	to				
	Orion_extended_ridge					Auu	selected sp	Jecies to the	new tempia	te				
	Orion_hot_core													
	Orion_plateau_hvf	Species of	the new ten	nplate										
	Orion_plateau_lvf	N(H ₂) [cm ⁻	ʻ]: <u>1</u>											
	X gal	Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vavo	Selec
#	Cyanopolyynes	HC3N, $v=0$	5150	1 CDMS	hc3n.dat&	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	V
		HC5N, v=0	7550	3 CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	~
1	template has	HC7N, v=0	9950	1 CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	~
11		HC9N	12350	1 CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	~
	created	HC11N	14750	1 CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	
11	ci cated.	HCI3N	1/150	TCDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	V
		0000												
		0000												
		1000												
		1000												
		0000												
		0000												
		1000												
		00000												



Note: If you want to create another template that does not contain any cyanopolyynes, you should click on "Clear the new template"

			Manage Te	mplates – da	tabase from	SQLITE (cass	is20140205	5.db)					
Templates of CASSIS	Species of t	he selected	templates										
All Species	Species	Tag 🔺	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vexp	Selected
Full CDMS	HC3N, v=0	51501	CDMS	hc3n.dat&	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	V
Full IPI	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	2
	HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	2
C rich ACR1	HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	v
C rich ACB2	HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	~
COs													
Highmass SER													
ISM													
Lowmass hot corino													
Lowmass_rich_mol_outflow													
Massive star forming region													
Orion compact ridge													
Orion_extended_ridge					Add	selected sp	ecies to the	new templa	te				
Orion hot core	A												
Orion plateau hyf	Species of t	he new tem	plate										
Orion plateau lvf	N(H ₂) [cm ⁻²	1:1											
X gal	1112/1011	,. 1											
Cvanopolyvnes	Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vexp	Selected
cyanopolymes	HC3N, v=0	51501	CDMS	hc3n.dat&	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	2
	HC5N, v=0	75503	CDMS	-no-	2.30E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	v
	HC7N, v=0	99501	CDMS	-no-	7.00E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	v
	HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	
	HCIIN	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	
	HCISN	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	e new templ	ate Sav	re as				





000			Manage Te	mplates – da	tabase from	SQLITE (cas	sis2014020	5.db)					
Templates of CASSIS	Species of	he selected	templates										
All Species	Species	Tag 📥	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	V _{exp}	Selected
Full CDMS	HC3N, v=0	51501	CDMS	hc3n.dat&	7.00E15	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	✓
Full JPL	HC7N, v=0	99501	CDMS	-no-	7.00F14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	r r
	HC9N	123501	CDMS	-no-	2.30E14	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	v
C rich AGB1	HC11N	147501	CDMS	-no-	7.00E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	V
C rich AGB2	HC13N	171501	CDMS	-no-	2.30E13	1.00E-8	0.00E0	50.00	10.00	5.00	30.00	0.00E0	v
COs													
Highmass_SFR													
ISM													
Lowmass_hot_corino													
Lowmass_ricn_mol_outriow Massive star forming region													
Orion compact ridge					Ad	d coloctod cu	acies to the	now tomalo	••				
Orion_extended_ridge					Add	a selected sp	becies to the	e new tempia	te				
Orion_hot_core	A . 												
Orion_plateau_hvf	Species of	ine new tem	plate										
Orion_plateau_lvf	N(H ₂) [cm ⁻	1:1											
A_gai Cvanonolyvnes	Species	Tag	DB	Coll	C-Dens	Abun	Beta	Tex	TKin	Fwhm	Size	Vexp	Selected
cyanoporyynes													
					Add	Clear th		lata for	10.05				
Import Export Delete					Add	Clear th	e new temp	Tate Sav	ve as				