

SIMBAD 4 : a new release with new possibilities

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Simbad 3 + possibility for new contents :

- Fluxes and magnitudes for any wavelength (SED)
- Several object types for an astronomical object
- Hierarchical links and associations between objects

CONTENT

Queries can be on any data field, including measurement data and reference title and authors, user defined identifier and coordinate list

- HTML forms
- Scripts
- Web services
- UCDS
- Name resolver
- Simcli (C library) : existing clients operational without recompilation

QUERIES

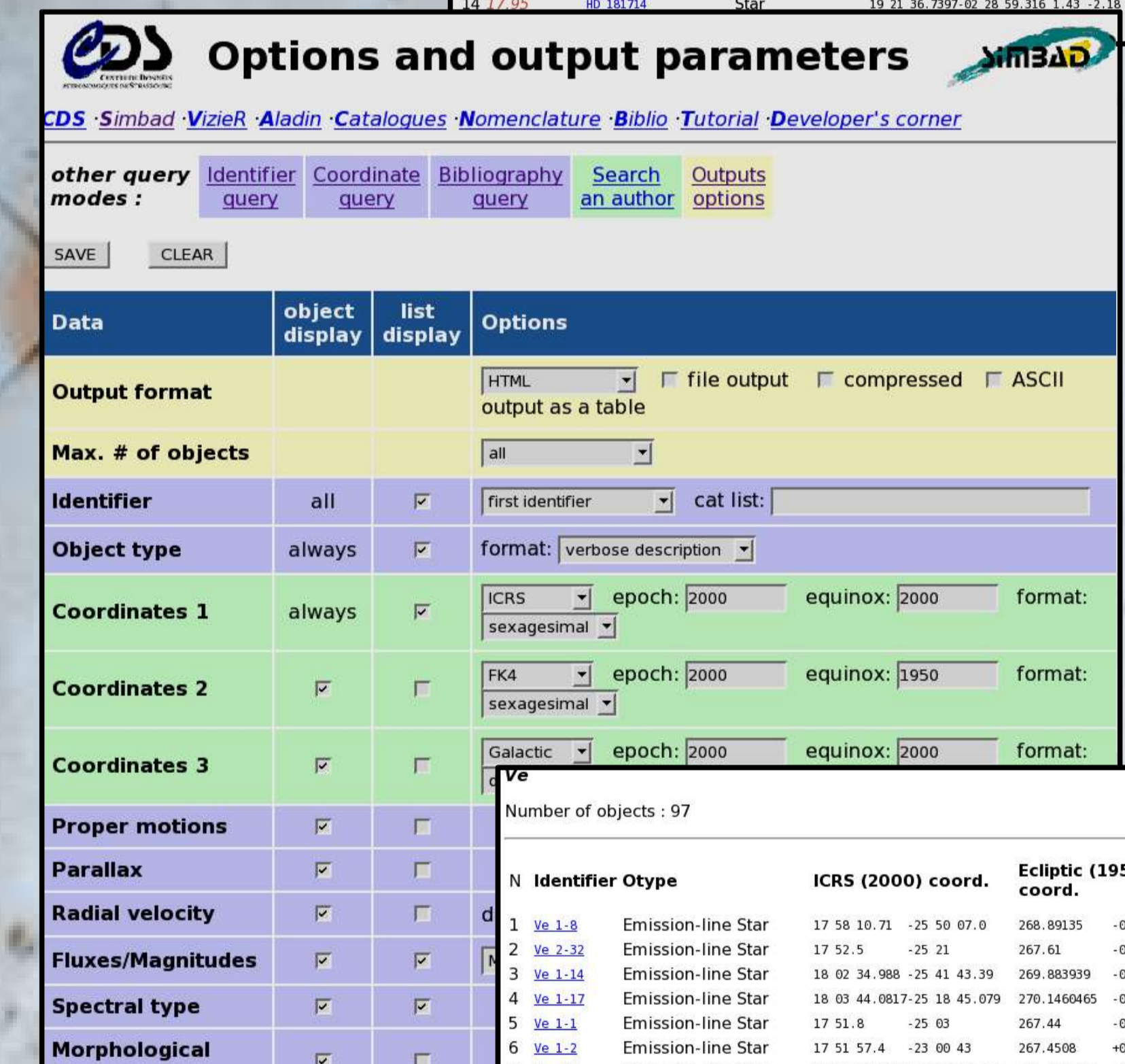


OUTPUT

- HTML page
- ASCII files
- VOTable

Output fields can be parameterized :

N	dist(arcmin)	Identifier	Otype	ICRS (2000) coord.	Proper motions V	Sp type	#ref 1983-2005	#mes
1	4.90	BD-02 4955	Star	19 21 46.259 -02 00 30.62	27.20 -4.70	9.84 K2	0	3
2	5.67	PM 31922-0207	Radio-source	19 22 15.10 -02 07 45.8	-	-	1	0
3	9.26	BD-02 4957	Star	19 21 58.233 -02 21 14.83	13.00 -22.00	10.25 -	0	0
4	9.34	TIC 5134-322-1	Star	19 21 41.030 -02 20 07.77	0.80 -5.60	10.6 -	0	0
5	13.47	K8 881-108	Star	19 22 39.778 -02 02 54.60	-1.00 -15.80	10.6 -	0	0
6	13.76	K8 881-108	Star	19 21 7	-02 25	B	1	0
7	13.87	1855_3192249_9-022123	X-ray source	19 22 40.90 -02 21 23.0	-	-	0	0
8	13.95	HD 181713	Star	19 21 58.140 -01 59 09.87	1.50 0.00	10.03 G0	0	1
11	16.02	UGA 20954	Galaxy	19 21 40.4 -01 56 45	-	-	1	0
12	16.12	PM 707725	Star	19 22 06.022 -01 55 57.17	-1.5 -1.0	10.1 -	0	0
13	17.50	BD-02 4960	Star	19 22 45.947 -01 58 47.54	-11.40 -14.70	9.54 M0	0	4
14	17.95	HD 181714	Star	19 21 36.797 -02 28 59.316	1.43 -2.10	8.27 K5	0	4



Options and output parameters

other query Identifier Coordinate Bibliography Search Outputs modes : query query query an author options

SAVE CLEAR

Data	object display	list display	Options
Output format			HTML <input type="checkbox"/> file output <input type="checkbox"/> compressed <input type="checkbox"/> ASCII output as a table
Max. # of objects			all
Identifier	all	<input checked="" type="checkbox"/>	first identifier <input type="text"/> cat list: <input type="text"/>
Object type	always	<input checked="" type="checkbox"/>	format: verbose description
Coordinates 1	always	<input checked="" type="checkbox"/>	ICRS <input type="text"/> epoch: 2000 <input type="text"/> equinox: 2000 <input type="text"/> format: sexagesimal
Coordinates 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FK4 <input type="text"/> epoch: 2000 <input type="text"/> equinox: 1950 <input type="text"/> format: sexagesimal
Coordinates 3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Galactic <input type="text"/> epoch: 2000 <input type="text"/> equinox: 2000 <input type="text"/> format: <input type="text"/>
Proper motions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Parallax	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Radial velocity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fluxes/Magnitudes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Spectral type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Morphological	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Number of objects : 97

N	Identifier	Otype	ICRS (2000) coord.	Ecliptic (1950) coord.	Rvel/Z	B	V	#ref 1983-2005	
1	Ye 1-8	Emission-line Star	17 58 10.71 -25 50 07.0	268.89135	-02.39013	--	10.4 10.	1	
2	Ye 2-32	Emission-line Star	17 52.5	-25 21	267.61	-01.92	--	1	
3	Ye 1-14	Emission-line Star	18 02 34.988 -25 41 43.39	269.883939	-02.250901	--	11.06 10.38	2	
4	Ye 1-17	Emission-line Star	18 03 44.0817-25 18 45.079	270.1460465	-01.8694713	v -17	9.26 9.01	14	
5	Ye 1-1	Emission-line Star	17 51.8	-25 03	267.44	-01.62	--	11.80 11.19	2
6	Ye 1-2	Emission-line Star	17 51 57.4	-23 00 43	267.4508	+00.4209	--	7.8	1
7	Ye 1-5	Emission-line Star	17 55 50.0842-23 07 48.650	268.3439792	+00.3121633	--	10.00 9.61	1	
8	Ye 1-3	Emission-line Star	17 53 25.966 -24 15 55.54	267.804705	-00.828149	--	9.78 9.39	8	
9	Ye 1-9	Emission-line Star	17 58 31.878 -24 25 01.79	268.967199	-00.971790	--	9.86 9.77	1	
10	Ye 1-7	Emission-line Star	17 58 10.538 -25 14 30.78	268.888829	-01.796736	--	11.5 10.8	2	
11	Ye 1-10	Star	17 59 01.8632-25 11 22.431	269.0822716	-01.7439497	--	9.66 9.36	9	
12	Ye 1-4	Variable Star of irregular type	17 53 28.441 -24 46 27.71	267.819869	-01.336946	v -13	9.27 8.76	11	
13	Ye 2-38	Emission-line Star	17 57 46.48 -24 12 10.4	268.79411	-00.75807	--	10.5	1	
14	Ye 2-33	Emission-line Star	17 53.7	-24 19	267.87	-00.88	--	0	0
15	Ye 2-34	Emission-line Star	17 53.6	-23 18	267.83	+00.14	--	0	0
16	Ye 2-35	Emission-line Star	17 54.0	-23 06	267.92	+00.34	--	1	1
17	Ye 2-35b	Star	17 56 35.84 -23 52 15.5	268.52367	-00.42747	--	2	2	
18	Ye 2-37	Emission-line Star	17 56.9	-25 12	268.60	-01.76	--	1	1
19	Ye 2-39	Emission-line Star	17 58.0	-22 48	268.84	+00.65	--	1	1
20	Ye 2-40	Emission-line Star	17 59.0	-23 14	269.07	+00.21	--	1	1
21	Ye 2-41	Emission-line Star	17 59 33.714 -25 00 59.30	269.202289	-01.570712	--	11.3 11.1	1	
22	Ye 1-11	Emission-line Star	17 59 23.853 -24 41 57.63	269.164713	-01.253615	--	11.5 11.2	2	
23	Ye 2-36	Emission-line Star	17 56 34.01 -23 51 54.2	268.51666	-00.42159	--	1	1	
24	Ye 2-46	Emission-line Star	18 02 23.1404-23 02 00.062	269.8504784	+00.4113040	v -2	8.73 8.76	11	
25	Ye 2-47	Wolf-Rayet Star	18 02 23.46 -23 34 37.7	269.84944	-00.13248	--	14.76 12.92	67	
26	Ye 4-64	Emission-line Star	18 02 23.6 -23 28 35	269.8504	-00.0317	--	12.0	9	
27	Ye 1-12	Emission-line Star	18 00 42.409 -24 40 37.70	269.462183	-01.231442	--	8.54 8.51	7	

LINKS

Linked to :

- Catalogs from the VizieR database
- Bibliographical database
- External archives (Heasarc, ...)

Schedule

Temporary address : <http://simweb.u-strasbg.fr/simbad>

- oct 2005 : web access for getting familiar with new facilities ; simcli access
- dec 2005 : web services
- beginning 2006 : launch of Simbad4. Old version will remain available for a short time through another URL

Technologies :

- Java language
- PostgreSQL
- Apache / Tomcat
- Linux
- 3 dual-processor PCs