

Category	Subcategory	Feature	Importance Avg	Stdev	Effort Avg	Effort Stdev	Importance/Effort	MOSCOW	Phase	Comments
Visualization			0.42	0.07	0.00	0.00	#DIV/0!			
	2D cutouts		1.72	0.28	2.63	0.32	0.65	Could		
	1D interface to specviz		1.08	0.67	3.65	0.72	0.30	Could		
	interface to MOSViz		0.66	0.55	0.51	0.61	1.29	Must		
	Contamination highlighting		1.69	0.68	5.12	0.35	0.33	Should		2
	Contamination highlighting for different orientations		1.51	0.58	5.42	0.29	0.28	Should		2
User Interface			0.00	0.00	0.00	0.00	#DIV/0!			
	user-friendly APIs		1.76	0.34	0.92	0.75	1.92	Must		1
	Interactive GUI		0.12	0.31	0.87	1.46	0.14	Could		2
		Web-browser interface	0.95	0.69	1.80	0.48	0.59	Could		2
		Organization and bookkeeping	1.53	0.81	1.28	0.66	1.20	Should		2
		Input data formats	0.00	0.00	0.00	0.00	#DIV/0!			
		HST FITS files	1.87	0.40	1.00	0.51	1.88	Must		1
		SExtractor catalogs	1.39	0.63	0.94	0.04	1.48	Should		2
		Photutils catalog objects	1.10	0.52	0.82	0.26	1.33	Should		2
		Astropy tables	1.60	0.57	0.87	0.26	1.85	Must		1
		Output data formats	0.00	0.00	0.00	0.00	#DIV/0!			
		Latex tables	0.56	0.41	1.08	0.67	0.52	Could		2
		FITS (tabular)	1.82	0.25	0.94	0.43	1.94	Must		1
		Spectrum1D objects	1.62	0.70	0.88	0.43	1.84	Must		1
		HDF5	0.63	0.54	0.83	0.66	0.68	Could		2
		ASDF	0.40	0.44	0.71	0.66	0.57	Should		2
		MOSViz input table	0.59	0.56	0.83	0.79	0.94	Must		2
		Option specification	0.00	0.00	0.00	0.00	#DIV/0!			
		Command line	1.69	0.36	1.05	0.51	1.61	Must		1
		Option/configuration file (YAML, XML)	1.56	0.62	1.00	0.50	1.55	Must		2
Computation			0.00	0.00	0.00	0.00	#DIV/0!			
	Geometric transformations		1.51	0.99	1.19	0.92	1.26	Must		1
	Simulations		0.18	0.61	0.14	0.00	1.30			
		Noiseless, at native sampling of FLT files	1.81	0.45	1.20	0.45	1.51	Must		1
		Noiseless, using a supersampled spatial template	1.30	0.72	1.30	0.99	1.00	Should		2
		Adding noise	1.26	0.51	1.19	0.38	1.06	Should		2
		Adding geocoronal background	0.98	0.57	1.42	0.47	0.69	Could		2
		Spatial scanning	0.90	0.76	1.48	0.87	0.61	Won't		
Analysis			0.00	0.00	0.00	0.00	#DIV/0!			
	Create an emission-line map		1.22	0.79	1.31	0.87	0.93	Could		2
	Fit a set of templates		0.49	0.84	0.43	0.00	1.14	Should		2
		Astropy models and user-provided template grid-model	1.02	0.75	1.04	0.81	0.99	Should		2
		built-in template library	1.02	0.69	1.31	1.21	0.78	Could		2
	3D cube construction		0.96	0.72	1.03	1.28	0.93	Could		2
	Measure line strengths		1.34	0.73	1.14	0.72	1.18	Should		2 using the original 2D grism images
	Measure redshifts		1.35	0.75	1.21	0.91	1.11	Should		2 using the original 2D grism images
	Combine with broadband photometry		1.08	0.78	1.26	0.96	0.86	Should		2 using the original 2D grism images
Docs			0.00	0.00	0.00	0.00	#DIV/0!			
	API documentation		1.99	0.33	1.09	0.39	1.83	Must		1
	Tutorial / cookbook		2.05	0.42	1.07	0.45	1.92	Must		1
	minimal code comment standard		1.44	0.76	0.68	0.62	2.12	Must		1
	Sphinx documentation/Readthedocs		1.44	0.69	1.11	0.21	1.30	Should		1
Preparation			0.00	0.00	0.00	0.00	#DIV/0!			
	Astrometric registration		0.20	0.47	0.19	0.00	1.07			
		Using Gaia & PanSTARRS, etc	1.25	0.75	1.33	0.44	0.94	Won't		Not grism specific
		Register dithered direct images	1.55	0.85	1.30	0.37	1.19	Won't		Not grism specific
		Register to existing catalog	1.62	0.63	1.18	0.44	1.38	Won't		Not grism specific
	Identify associated data sets		0.13	0.42	0.12	0.00	1.11			
		Associate direct & grism images	1.86	0.57	0.87	0.42	2.13	Must		2
		Find other datasets that overlap	1.48	0.51	1.07	0.33	1.39	Should		2
	Create input source catalog		0.21	0.51	0.23	0.00	0.91			
		Using pre-configured photutils	1.36	0.61	0.87	0.68	1.56	Must		2
		Using pre-configured SExtractor	1.36	0.72	0.94	0.90	1.45	Should		2
Detection			0.00	0.00	0.00	0.00	#DIV/0!			
	Find an isolated emission line		0.14	0.31	0.37	0.00	0.37			
		EM2D algorithm	1.12	0.47	1.59	0.47	0.71	Should		2
Extraction			0.00	0.00	0.00	0.00	#DIV/0!			
	2D spectral extraction		0.52	0.89	0.50	0.74	1.04			
		Simple cutout with WCS of the source of interest (compatible with Spectrum1D)	1.40	0.62	0.99	0.49	1.41	Must		1
	1D extraction relying on SED models		1.12	0.63	1.23	0.91	0.91	Should		
	1D extraction with no model assumptions		1.55	0.63	1.00	0.89	1.55	Must		1.5
	1D "optimal" extraction		0.00	0.00	0.00	0.00	#DIV/0!			
		Weighted by profile in direct image (no wavelength dependence)	1.31	0.72	1.18	0.26	1.11	Should		2
		Weighted by profile in direct image including wavelength dependence	1.43	0.68	1.65	0.42	0.87	Could		2
		Based on multi-band profiles from some other data source	0.74	0.46	1.84	0.26	0.40	Could		2
	Contamination modeling		0.34	0.76	0.42	0.00	0.82			2

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		LINEAR algorithm	1.22	0.61	1.73	0.32	0.71	Could		2
		Iterative SED modeling	1.35	0.65	1.82	0.62	0.75	Could		2
Calibration			0.00	0.00	0.00	0.00	#DIV/0!			
	Flatfielding		0.24	0.53	0.19	0.00	1.27			
		Flatfield with a wavelength-dependent cube	1.48	0.61	1.69	0.43	0.88	Could		2
		Flatfield based on a single band flat	1.59	0.63	0.78	0.53	2.05	Must		1.5
	Aperture corrections		0.13	0.33	0.05	0.00	2.82			
		Point sources	1.31	0.74	0.95	0.52	1.37	Must		2
		Using the direct images	1.75	0.47	1.13	0.25	1.55	Must		2
		Wavelength dependent. Using the direct images and SED and PSF	1.19	0.56	1.40	0.73	0.85	Could		2
		Enabling use of ancillary images and PSFs	0.87	0.49	1.72	0.47	0.51	Could		2
	Background subtraction		0.31	0.70	0.14	0.00	2.21			
		Local background estimation using 2D polynomial	1.47	0.79	1.04	0.43	1.42	Must		1.5
		Master sky models of separate components	1.95	0.28	1.18	0.50	1.65	Must		1.5
		Time-varying background in ramp	1.58	0.46	1.56	0.76	1.01	Should		2
	Converting counts to flux		0.28	0.65	0.09	0.00	2.97	Must		2
		Flux conservation in forward modeling	1.40	0.57	1.17	0.53	1.20	Should		2
		Use CRDS	1.12	0.84	0.70	0.26	1.60	Must		2
Combining			0.18	0.61	0.23	0.00	0.78			
	Interlacing		0.60	0.45	0.98	0.51	0.61	Could		2
	Dithers (same orientation)		1.69	0.71	0.97	0.26	1.74	Must		2
	Multiple orientations		1.89	0.56	1.58	0.69	1.20	Should		2
	With outlier detection		1.06	0.68	1.23	0.46	0.86	Should		2
	Algorithms other than drizzle		0.55	0.61	1.48	0.55	0.37	Could		2
Architecture			0.00	0.00	0.00	0.00	#DIV/0!			
	modularity		2.04	0.45	1.36	0.59	1.50	Must		1
	Unit testing/CI		1.07	0.86	1.24	0.67	0.86	Must		1
	Regression testing		1.33	0.74	1.30	0.72	1.02	Must		1