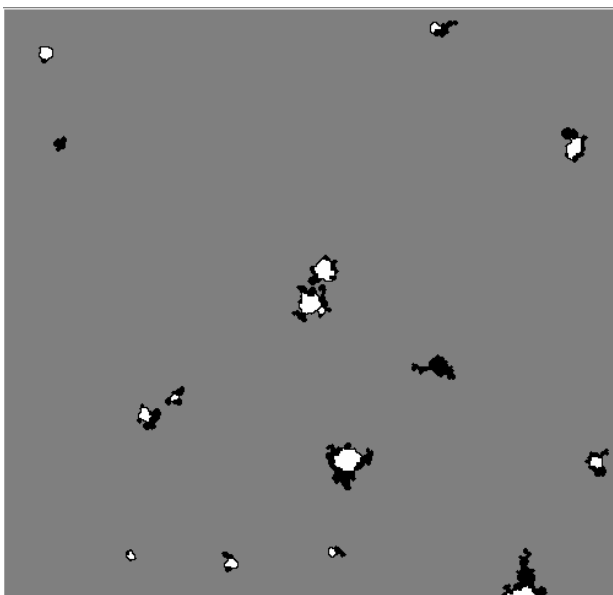
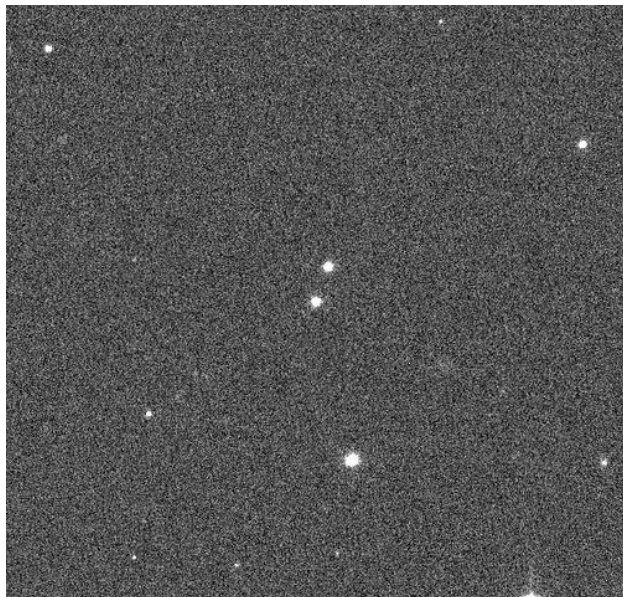
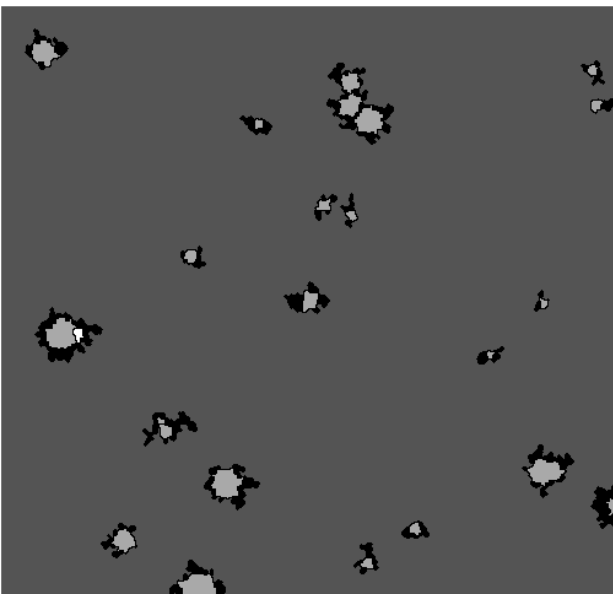
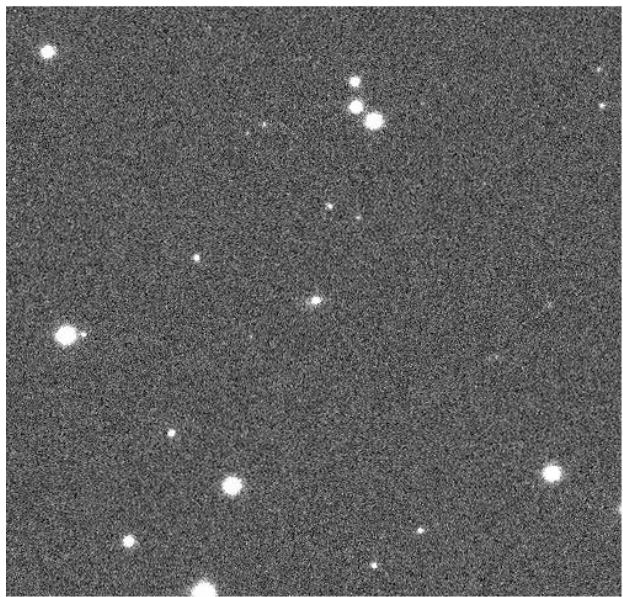


EJEMPLOS DE DETECCIONES PARA ALGUNAS GALAXIAS DE NUESTRA MUESTRA:

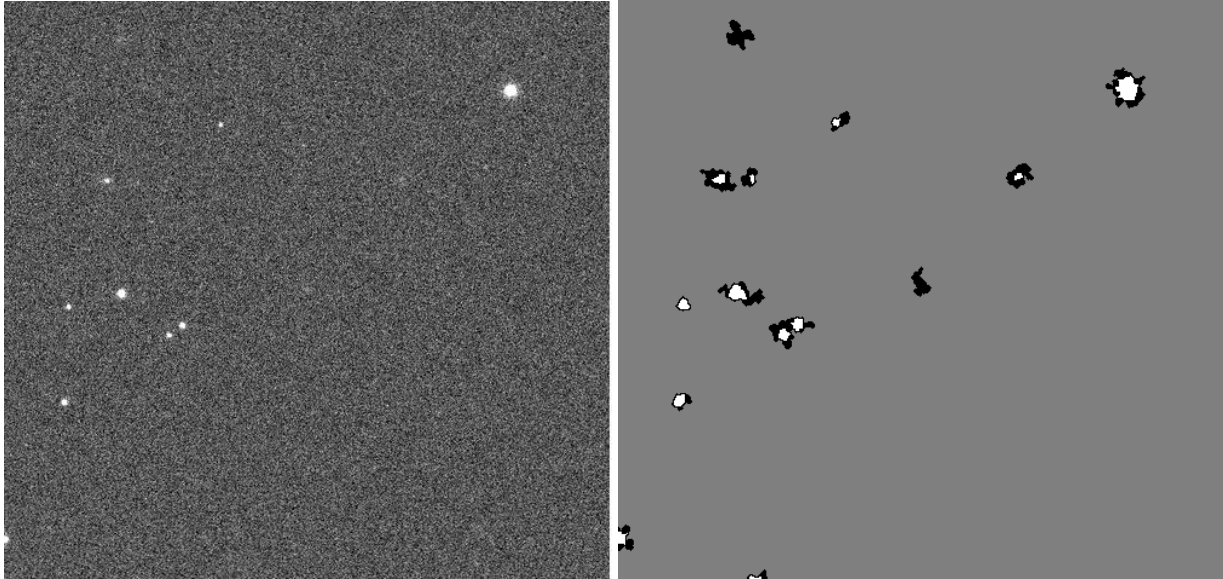
- 73523015696



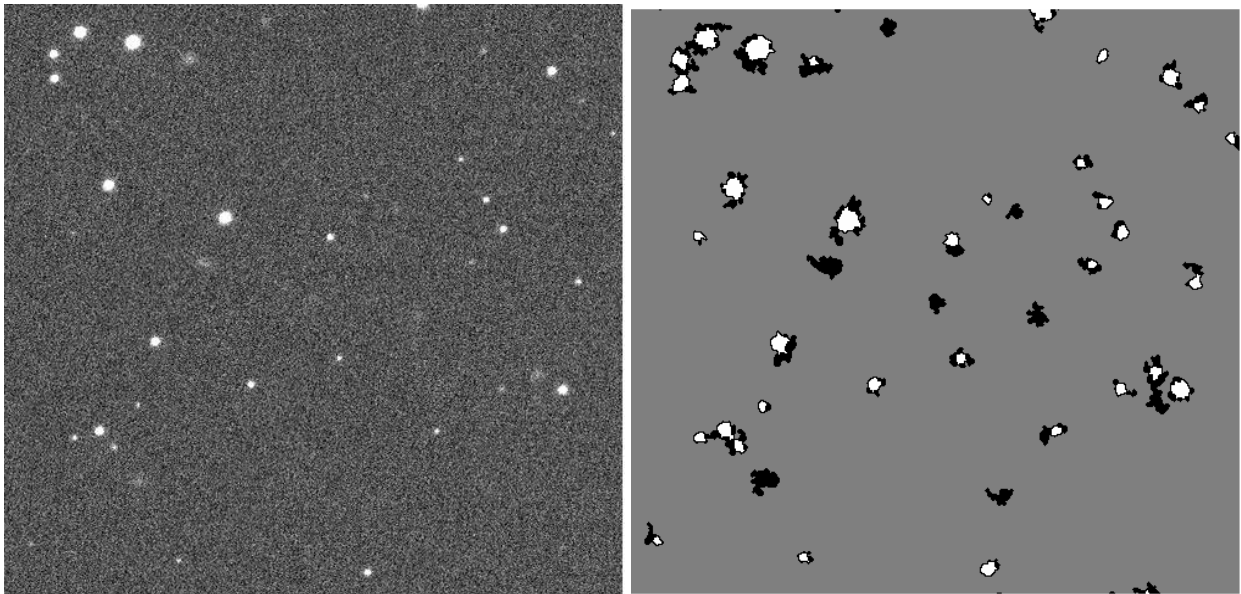
- 65310022517



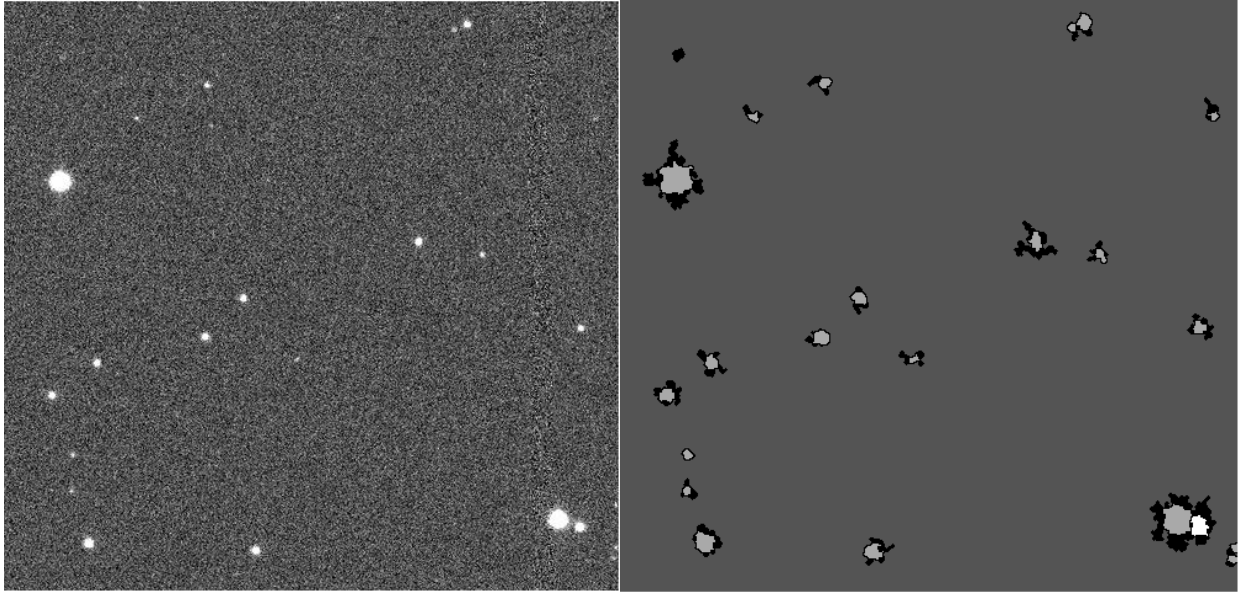
- 69243023090: Ejemplo para la que no se identifican *clumps*.



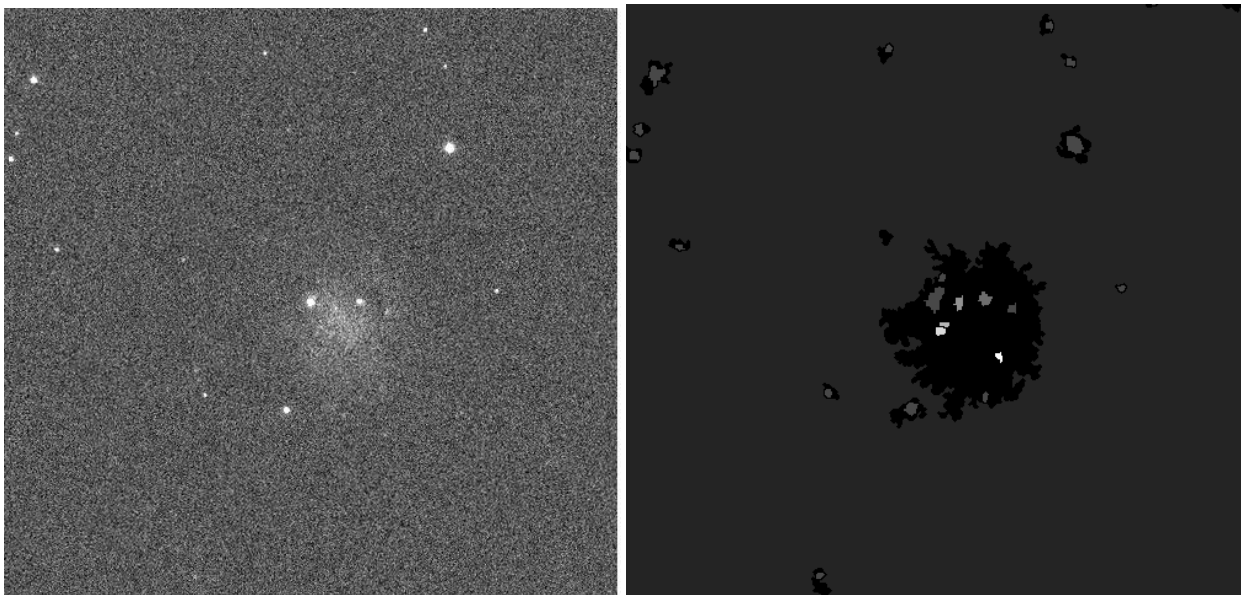
- 73630022068: Ejemplo para la que no se identifican *clumps*.



- 75360033897: Ejemplo para el que no se detecta el objeto central.



- 68450010025: Ejemplo de galaxia de gran diseño.



```
# File containing the input data. The columns are 'id' (name of the
# object), 'redshift' (if 0 the distance is assumed to be 10 pc),
# 'distance' (Mpc, optional, if present it will be used in lieu of the
# distance computed from the redshift), the filter names for the fluxes,
# and the filter names with the '_err' suffix for the uncertainties. The
# fluxes and the uncertainties must be in mJy for broadband data and in
# W/m2 for emission lines. This file is optional to generate the
# configuration file, in particular for the savefluxes module.
data_file = ClumpsWinJ0515.txt
```

```
# Optional file containing the list of physical parameters. Each column
# must be in the form module_name.parameter_name, with each line being a
# different model. The columns must be in the order the modules will be
# called. The redshift column must be the last one. Finally, if this
# parameter is not empty, cigale will not interpret the configuration
# parameters given in pcigale.ini. They will be given only for
# information. Note that this module should only be used in conjunction
# with the savefluxes module. Using it with the pdf_analysis module will
# yield incorrect results.
parameters_file =
```

```
# Available modules to compute the models. The order must be kept.
# SFH:
# * sfh2exp (double exponential)
# * sfhdelayed (delayed SFH with optional exponential burst)
# * sfhdelayedbq (delayed SFH with optional constant burst/quench)
# * sfhfromfile (arbitrary SFH read from an input file)
# * sfhperiodic (periodic SFH, exponential, rectangle or delayed)
# SSP:
```

```

# * bc03 (Bruzual and Charlot 2003)

# * m2005 (Maraston 2005)

# Nebular emission:

# * nebular (continuum and line nebular emission)

# Dust attenuation:

# * dustatt_modified_CF00 (modified Charlot & Fall 2000 attenuation law)

# * dustatt_modified_starburst (modified starburst attenuaton law)

# Dust emission:

# * casey2012 (Casey 2012 dust emission models)

# * dale2014 (Dale et al. 2014 dust emission templates)

# * dl2007 (Draine & Li 2007 dust emission models)

# * dl2014 (Draine et al. 2014 update of the previous models)

# * themis (Themis dust emission models from Jones et al. 2017)

# AGN:

# * fritz2006 (AGN models from Fritz et al. 2006)

# Radio:

# * radio (synchrotron emission)

# Restframe parameters:

# * restframe_parameters (UV slope, IRX-beta, D4000, EW, etc.)

# Redshift+IGM:

# * redshifting (mandatory, also includes the IGM from Meiksin 2006)

sed_modules = sfh2exp, bc03, nebular, dustatt_calzleit, restframe_parameters, redshifting


# Method used for statistical analysis. Available methods: pdf_analysis,
# savefluxes.

analysis_method = pdf_analysis


# Number of CPU cores available. This computer has 4 cores.

cores = 4

```

Bands to consider. To consider uncertainties too, the name of the band

must be indicated with the _err suffix. For instance: FUV, FUV_err.

```
bands = line.H-alpha, line.H-alpha_err, line.OIII-500.7, line.OIII-500.7_err, line.H-beta, line.H-beta_err,
line.OIII-495.9, line.OIII-495.9_err, line.Ly-alpha, line.Ly-alpha_err, rSDSS_jplus, gSDSS_jplus, iSDSS_jplus,
zSDSS_jplus, uJAVA_jplus, J0378_jplus, J0395_jplus, J0410_jplus, J0430_jplus, J0515_jplus, J0660_jplus,
J0861_jplus, rSDSS_jplus_err, gSDSS_jplus_err, iSDSS_jplus_err, zSDSS_jplus_err, uJAVA_jplus_err,
J0378_jplus_err, J0395_jplus_err, J0410_jplus_err, J0430_jplus_err, J0515_jplus_err, J0660_jplus_err,
J0861_jplus_err
```

Properties to be considered. All properties are to be given in the

rest frame rather than the observed frame. This is the case for

instance the equivalent widths and for luminosity densities.

properties =

Relative error added in quadrature to the uncertainties of the fluxes

and the extensive properties.

additionalerror = 0.1

Configuration of the SED creation modules.

[sed_modules_params]

[[sfh2exp]]

e-folding time of the main stellar population model in Myr.

tau_main = 50

e-folding time of the late starburst population model in Myr.

tau_burst = 1

Mass fraction of the late burst population.

f_burst = 0.0005, 0.005, 0.01, 0.03, 0.075, 0.15, 0.3

Age of the main stellar population in the galaxy in Myr. The precision
is 1 Myr.

age = 200, 500, 1000, 2000, 5000

Age of the late burst in Myr. The precision is 1 Myr.

burst_age = 1, 2, 3, 4, 5, 7, 12

Value of SFR at $t = 0$ in M_{sun}/yr .

sfr_0 = 1.0

Normalise the SFH to produce one solar mass.

normalise = True

[[bc03]]

Initial mass function: 0 (Salpeter) or 1 (Chabrier).

imf = 0

Metallicity. Possible values are: 0.0001, 0.0004, 0.004, 0.008, 0.02,

0.05.

metallicity = 0.0001, 0.0004, 0.004, 0.008, 0.02

Age [Myr] of the separation between the young and the old star

populations. The default value in 10^7 years (10 Myr). Set to 0 not to

differentiate ages (only an old population).

separation_age = 20

[[nebular]]

Ionisation parameter. Possible values are: -4.0, -3.9, -3.8, -3.7,

-3.6, -3.5, -3.4, -3.3, -3.2, -3.1, -3.0, -2.9, -2.8, -2.7, -2.6,

-2.5, -2.4, -2.3, -2.2, -2.1, -2.0, -1.9, -1.8, -1.7, -1.6, -1.5,

-1.4, -1.3, -1.2, -1.1, -1.0.

logU = -4.0, -3.5, -3.0, -2.5, -2.0, -1.5

Gas metallicity. Possible values are: 0.000, 0.0004, 0.001, 0.002,

0.0025, 0.003, 0.004, 0.005, 0.006, 0.007, 0.008, 0.009, 0.011, 0.012,

```

# 0.014, 0.016, 0.019, 0.020, 0.022, 0.025, 0.03, 0.033, 0.037, 0.041,
# 0.046, 0.051.

zgas = 0.0004, 0.004, 0.008, 0.02

# Electron density. Possible values are: 10, 100, 1000.

ne = 100

# Fraction of Lyman continuum photons escaping the galaxy. Possible
# values between 0 and 1.

f_esc = 0.0

# Fraction of Lyman continuum photons absorbed by dust. Possible values
# between 0 and 1.

f_dust = 0.0

# Line width in km/s.

lines_width = 300.0

# Include nebular emission.

emission = True

[[dustatt_calzleit]]

# E(B-V)*, the colour excess of the stellar continuum light for the
# young population.

E_BVs_young = 0, 0.1, 0.2, 0.3, 0.5

# Reduction factor for the E(B-V)* of the old population compared to the
# young one (<1).

E_BVs_old_factor = 0.44

# Central wavelength of the UV bump in nm.

uv_bump_wavelength = 217.5

# Width (FWHM) of the UV bump in nm.

uv_bump_width = 35.0

# Amplitude of the UV bump. For the Milky Way: 3.

uv_bump_amplitude = 0.0

```

```
# Slope delta of the power law modifying the attenuation curve.
powerlaw_slope = 0.0

# Filters for which the attenuation will be computed and added to the
# SED information dictionary. You can give several filter names
# separated by a & (don't use commas).
filters = B_B90 & V_B90 & FUV
```

```
[[restframe_parameters]]
```

```
# Observed and intrinsic UV slopes  $\beta$  and  $\beta_0$  measured in the same way as
# in Calzetti et al. (1994).
```

```
beta_calz94 = True
```

```
# D4000 break using the Balogh et al. (1999) definition.
```

```
D4000 = True
```

```
# IRX computed from the GALEX FUV filter and the dust luminosity.
```

```
IRX = False
```

```
# Central wavelength of the emission lines for which to compute the
# equivalent width. The half-bandwidth must be indicated after the '/'
# sign. For instance 656.3/1.0 means both the nebular line and the
# continuum are integrated over 655.3-657.3 nm.
```

```
EW_lines = 656.3/0.5 & 121.5/0.5 & 372.7/0.5 & 500.7/0.5 & 486.1/0.7 & 656.3/0.5
```

```
# Filters for which the rest-frame luminosity will be computed. You can
# give several filter names separated by a & (don't use commas).
```

```
luminosity_filters = gSDSS_jplus
```

```
# Rest-frame colours to be computed. You can give several colours
# separated by a & (don't use commas).
```

```
colours_filters = uJAVA_jplus-rSDSS_jplus & gSDSS_jplus-iSDSS_jplus
```

```
[[redshifting]]
```

```
# Redshift of the objects. Leave empty to use the redshifts from the
```

input file.

redshift =

Configuration of the statistical analysis method.

[analysis_params]

List of the physical properties to estimate. Leave empty to analyse

all the physical properties (not recommended when there are many
models).

variables =

List of bands for which to estimate the fluxes. Note that this is

independent from the fluxes actually fitted to estimate the physical
properties.

bands =

If true, save the best SED for each observation to a file.

save_best_sed = True

Save the raw chi2. It occupies ~15 MB/million models/variable. Allowed

values are 'all', 'none', 'properties', and 'fluxes'.

save_chi2 = none

Take into account upper limits. If 'full', the exact computation is

done. If 'noscaling', the scaling of the models will not be adjusted

but the χ^2 will include the upper limits adequately. Waiving the

adjustment makes the fitting much faster compared to the 'full' option

while generally not affecting the results in any substantial manner.

This is the recommended option as it achieves a good balance between

speed and reliability. Finally, 'none' simply discards bands with

upper limits.

lim_flag = noscaling

If true, for each object we create a mock object and analyse them.

```
mock_flag = False
```

```
# When redshifts are not given explicitly in the redshifting module,
```

```
# number of decimals to round the observed redshifts to compute the grid
```

```
# of models. To disable rounding give a negative value. Do not round if
```

```
# you use narrow-band filters.
```

```
redshift_decimals = 4
```

```
# Number of blocks to compute the models and analyse the observations.
```

```
# If there is enough memory, we strongly recommend this to be set to 1.
```

```
blocks = 1
```

id bayes.attenuation.B_B90 bayes.attenuation.B_B90_err
bayes.attenuation.E_BVs.nebular.continuum_old bayes.attenuation.E_BVs.nebular.continuum_old_err
bayes.attenuation.E_BVs.nebular.continuum_young
bayes.attenuation.E_BVs.nebular.continuum_young_err bayes.attenuation.E_BVs.nebular.lines_old
bayes.attenuation.E_BVs.nebular.lines_old_err bayes.attenuation.E_BVs.nebular.lines_young
bayes.attenuation.E_BVs.nebular.lines_young_err bayes.attenuation.E_BVs.stellar.old
bayes.attenuation.E_BVs.stellar.old_err bayes.attenuation.E_BVs.stellar.young
bayes.attenuation.E_BVs.stellar.young_err bayes.attenuation.FUV bayes.attenuation.FUV_err
bayes.attenuation.V_B90 bayes.attenuation.V_B90_err bayes.attenuation.ebvs_old_factor
bayes.attenuation.ebvs_old_factor_err bayes.attenuation.powerlaw_slope
bayes.attenuation.powerlaw_slope_err bayes.attenuation.uv_bump_amplitude
bayes.attenuation.uv_bump_amplitude_err bayes.attenuation.uv_bump_wavelength
bayes.attenuation.uv_bump_wavelength_err bayes.attenuation.uv_bump_width
bayes.attenuation.uv_bump_width_err bayes.nebular.f_dust bayes.nebular.f_dust_err
bayes.nebular.f_esc bayes.nebular.f_esc_err bayes.nebular.lines_width bayes.nebular.lines_width_err
bayes.nebular.logU bayes.nebular.logU_err bayes.nebular.ne bayes.nebular.ne_err
bayes.nebular.zgas bayes.nebular.zgas_err bayes.param.D_4000 bayes.param.D_4000_err
bayes.param.EW(121.5/0.5) bayes.param.EW(121.5/0.5)_err bayes.param.EW(372.7/0.5)
bayes.param.EW(372.7/0.5)_err bayes.param.EW(486.1/0.7) bayes.param.EW(486.1/0.7)_err
bayes.param.EW(500.7/0.5) bayes.param.EW(500.7/0.5)_err bayes.param.EW(656.3/0.5)
bayes.param.EW(656.3/0.5)_err bayes.param.EW(658.6/0.5) bayes.param.EW(658.6/0.5)_err
bayes.param.beta0_calz94 bayes.param.beta0_calz94_err bayes.param.beta_calz94
bayes.param.beta_calz94_err bayes.param.restframe_gSDSS_jplus-iSDSS_jplus
bayes.param.restframe_gSDSS_jplus-iSDSS_jplus_err bayes.param.restframe_uJAVA_jplus-rSDSS_jplus
bayes.param.restframe_uJAVA_jplus-rSDSS_jplus_err bayes.sfh.age bayes.sfh.age_err
bayes.sfh.burst_age bayes.sfh.burst_age_err bayes.sfh.f_burst bayes.sfh.f_burst_err
bayes.sfh.tau_burst bayes.sfh.tau_burst_err bayes.sfh.tau_main bayes.sfh.tau_main_err
bayes.stellar.age_m_star bayes.stellar.age_m_star_err bayes.stellar.imf bayes.stellar.imf_err
bayes.stellar.metallicity bayes.stellar.metallicity_err bayes.stellar.old_young_separation_age
bayes.stellar.old_young_separation_age_err bayes.universe.age bayes.universe.age_err
bayes.universe.luminosity_distance bayes.universe.luminosity_distance_err bayes.universe.redshift
bayes.universe.redshift_err bayes.attenuation.nebular.continuum_old
bayes.attenuation.nebular.continuum_old_err bayes.attenuation.nebular.continuum_young
bayes.attenuation.nebular.continuum_young_err bayes.attenuation.nebular.lines_old
bayes.attenuation.nebular.lines_old_err bayes.attenuation.nebular.lines_young
bayes.attenuation.nebular.lines_young_err bayes.attenuation.stellar.old
bayes.attenuation.stellar.old_err bayes.attenuation.stellar.young bayes.attenuation.stellar.young_err
bayes.dust.luminosity bayes.dust.luminosity_err bayes.param.restframe_Lnu(gSDSS_jplus)
bayes.param.restframe_Lnu(gSDSS_jplus)_err bayes.sfh.integrated bayes.sfh.integrated_err
bayes.sfh.sfr bayes.sfh.sfr_err bayes.sfh.sfr100Myrs bayes.sfh.sfr100Myrs_err bayes.sfh.sfr10Myrs
bayes.sfh.sfr10Myrs_err bayes.stellar.lum bayes.stellar.lum_err bayes.stellar.lum_ly
bayes.stellar.lum_ly_err bayes.stellar.lum_ly_old bayes.stellar.lum_ly_old_err
bayes.stellar.lum_ly_young bayes.stellar.lum_ly_young_err bayes.stellar.lum_old
bayes.stellar.lum_old_err bayes.stellar.lum_young bayes.stellar.lum_young_err bayes.stellar.m_gas

bayes.stellar.m_gas_err bayes.stellar.m_gas_old bayes.stellar.m_gas_old_err
 bayes.stellar.m_gas_young bayes.stellar.m_gas_young_err bayes.stellar.m_star bayes.stellar.m_star_err
 bayes.stellar.m_star_old bayes.stellar.m_star_old_err bayes.stellar.m_star_young
 bayes.stellar.m_star_young_err bayes.stellar.n_ly bayes.stellar.n_ly_err bayes.stellar.n_ly_old
 bayes.stellar.n_ly_old_err bayes.stellar.n_ly_young bayes.stellar.n_ly_young_err best.chi_square
 best.reduced_chi_square best.attenuation.B_B90 best.attenuation.E_BVs.nebular.continuum_old
 best.attenuation.E_BVs.nebular.continuum_young best.attenuation.E_BVs.nebular.lines_old
 best.attenuation.E_BVs.nebular.lines_young best.attenuation.E_BVs.stellar.old
 best.attenuation.E_BVs.stellar.young best.attenuation.FUV best.attenuation.V_B90
 best.attenuation.ebvs_old_factor best.attenuation.powerlaw_slope
 best.attenuation.uv_bump_amplitude best.attenuation.uv_bump_wavelength
 best.attenuation.uv_bump_width best.nebular.f_dust best.nebular.f_esc best.nebular.lines_width
 best.nebular.logU best.nebular.ne best.nebular.zgas best.param.D_4000 best.param.EW(121.5/0.5)
 best.param.EW(372.7/0.5) best.param.EW(486.1/0.7) best.param.EW(500.7/0.5)
 best.param.EW(656.3/0.5) best.param.EW(658.6/0.5) best.param.beta0_calz94
 best.param.beta_calz94 best.param.restframe_gSDSS_jplus-iSDSS_jplus
 best.param.restframe_uJAVA_jplus-rSDSS_jplus best.sfh.age best.sfh.burst_age best.sfh.f_burst
 best.sfh.tau_burst best.sfh.tau_main best.stellar.age_m_star best.stellar.imf best.stellar.metallicity
 best.stellar.old_young_separation_age best.universe.age best.universe.luminosity_distance
 best.universe.redshift best.attenuation.nebular.continuum_old
 best.attenuation.nebular.continuum_young best.attenuation.nebular.lines_old
 best.attenuation.nebular.lines_young best.attenuation.stellar.old best.attenuation.stellar.young
 best.dust.luminosity best.param.restframe_Lnu(gSDSS_jplus) best.sfh.integrated best.sfh.sfr
 best.sfh.sfr100Myrs best.sfh.sfr10Myrs best.stellar.lum best.stellar.lum_ly
 best.stellar.lum_ly_old best.stellar.lum_ly_young best.stellar.lum_old best.stellar.lum_young
 best.stellar.m_gas best.stellar.m_gas_old best.stellar.m_gas_young best.stellar.m_star
 best.stellar.m_star_old best.stellar.m_star_young best.stellar.n_ly best.stellar.n_ly_old
 best.stellar.n_ly_young best.line.H-alpha best.line.OIII-500.7 best.line.H-beta best.line.OIII-
 495.9 best.line.Ly-alpha best.rSDSS_jplus best.gSDSS_jplus best.iSDSS_jplus
 best.zSDSS_jplus best.uJAVA_jplus best.J0378_jplus best.J0395_jplus best.J0410_jplus
 best.J0430_jplus best.J0515_jplus best.J0660_jplus best.J0861_jplus

75183008915_1	0.40657183702426375	0.44085870425697854		
0.04017242346650833		0.04214111447775371		0.09130096242388255
0.09577526017671299		0.04017242346650833		0.04214111447775371
0.09130096242388255		0.09577526017671299		0.04017242346650833
0.04214111447775371		0.09130096242388255		0.09577526017671299
0.9169651897628313	0.9617846557597393	0.3277628584709942		0.3579304780275725
0.4399999999999996	4.475452091311806e-16		0.0	0.0
0.0	0.0	217.4999999999997		3.1263880373444373e-13
34.999999999999964	3.552713678800497e-14	0.0	0.0	0.0
0.0	299.9999999999998	2.2737367544323183e-13	-2.3864566606585806	
0.22501764081810696	99.99999999999989	1.2868476258827011e-13	0.005970267437611619	
0.002000440744602676	0.7302237657756268	0.0398067631993987	14.649571716268943	
6.466294475256329	10.358962635859825	4.065356389267661	8.83318094319859	

1.3544190690391646	47.48770288239523	7.947545679222723	20.635498103541938
2.738223724934675	1.2718005075490004	0.6490623433714626	-2.58749587902632
0.12520124806568536	-2.1625043905529036	0.4603403299189117	-
0.18460384725144324	0.07337983385081334		0.5839758733201567
0.1186589782950425	2712.00108624234	1698.454358819265	4.963242357607871
1.788222676635706	0.023708130375393432	0.03858385619594498	0.9999999999999988
1.2212453270876708e-15	49.999999999999994	6.434238129413506e-14	2585.7756499833167
1655.5253828453633	0.0	0.0	0.008971483521427771
0.008593060040723622	19.999999999999998		2.1316282072802974e-14
13547.473606341879	1.2862197421537473e-11		1.9944321148217786e+24
2147483647.9999979	0.01499999999999998		1.9081958235744856e-17
1.0443178630275412e+31	1.2026105849904216e+31		3.163001331970118e+34
3.4912802416581356e+34	2.7622754878779968e+31		3.13157253127825e+31
7.951323454191524e+34	8.587692777897978e+34		1.6569552475479662e+34
3.0626821544295963e+34	7.37156772681931e+35		1.0986638829829163e+36
8.649076389525362e+35	1.213156719124354e+36		3.534871573982496e+20
1.7674357869912482e+19	530340558.85383004	275687720.5397368	0.162344693146715
0.3595228364979409	0.10430989596896045	0.18405091929218587	0.6967931970449328
0.5038006012649444	1.5869591205130764e+36	1.1225867740902554e+36	
2.6669969821321885e+35	1.06753632660864e+35	2.9200226335264605e+32	
1.125260798740746e+32	2.664076959498662e+35	1.0679569255750163e+35	
1.4924431911097033e+35	5.34530768005808e+34	1.4377148014021064e+36	
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0.2389161079336266	0.015545133878449023	0.007418763490681573	0.13219809146002034			
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0.0001	20.0	13479.713109627051	2.6695830581047045e+24			0.02
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1.85623412571982e+35	2.338426936936176e+35	5.319695440395542e+19				
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0.264514491197574	0.02195513204861859	0.02806204466190912	0.1236569304282438			
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6.424070448269724e+35	5.2702238184904066e+35		1.5863200678911813e+20		
7.931600339455907e+18	85501973.9929779	59339068.12539515	0.2821727947006532		
0.5296956682545303	0.05936416453539466	0.04552896487129962	0.4112264337084839		
0.3243582743884127	8.847208931430644e+35	5.116449656546072e+35	1.942819581949838e+35		
9.384123373344239e+34	7.390955631482155e+31	4.4096906072032155e+31			
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1.1049383980088424e+49	5.54078319009962e+52	2.6798838649123e+52			
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0.3	0.132	0.3	0.132		0.3
2.8701788746668138	1.091303329295366	0.44	0.0		
0.0	217.5	35.0	0.0	0.0	300.0
					-2.5

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2.565506832685435	-1.2368382531951863	-0.3372392346409938			
0.7056908959967002	200.0	5.0	0.15	1.0	50.0
127.31332263439425	0.0	0.008		20.0	13479.713109627051
2.6695830581047045e+24	0.02	3.5138056611707433e+30			
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0.6542592612197499	1.4665914985064035e+36	2.765850434858308e+35	2.808913118611028e+31		
2.765569543546447e+35	1.0591540004589523e+35	1.3606760984605084e+36	6591961.698064975		
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0.12487131247646104	0.11464685495693326	0.10808424884258996	0.5443536238532235		
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0.09276811400221938	1.047295858468196	0.9241391882161487	0.4101071861018345		
0.36808625147900187	0.43999999999999917	8.326672684688661e-16			
0.0	0.0	0.0	0.0		
217.49999999999963	3.694822225952512e-13	34.99999999999992			
7.140866117879959e-14	0.0	0.0	0.0	0.0	
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0.676674582044697	0.061238040288048724	19.080363492877556	10.866664359787906		
7.441506382588299	6.610085011368007	13.274012562137646	6.42510762238588		
67.86448298463317	17.515649157490127	36.84430517979558			
16.685170620952952	1.3662150983417694	1.4886343658240648	-2.568622430377961		
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6.163393296759723e+33	1.3744989178366624e+35	1.554916000105113e+35					
1.7041154681953885e+35	1.807816505247498e+35	6.435383937540068e+19					
3.217691968770034e+18	21731859.587993413	19297963.347422432	0.08639303873350103				
0.19105705052280306	0.019752765297758115	0.017855403695485102	0.137041636148787				
0.09737290429276654	2.9331237659636434e+35	1.6584657014453232e+35					
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3.9989376793639296e+48	3.3884492609849726e+48	1.833659298699661e+52					
9.34248889346947e+51	2.4459760157026134	0.15287350098141333	-0.0				
0.0	0.0	0.0	0.0	0.0			0.0
0.0	-0.0	-0.0	0.44	0.0		0.0	
217.5	35.0	0.0	0.0	300.0	-2.0	100.0	
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-0.0	-0.0	-0.0	-0.0	0.0			
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0.0	0.0	217.49999999999972	2.8421709430403937e-13		
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0.0	0.0	0.0	0.0	0.0	0.0
0.0	-0.0	-0.0	0.44	0.0	0.0
217.5	35.0	0.0	0.0	300.0	-2.5
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35.0	0.0	0.0	300.0	-2.5	100.0	0.004
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0.02	20.0	13650.008505612273	9.91375930081802e+23
-0.0	-0.0	-0.0	-0.0
-0.0	0.0	2.5375956876886697e+18	5558985.664179807
0.0002779492832089903	0.0027794928320899037	7.221487965451659e+33	0.000891066580238101
1.2946647996770337e+33	1.469261392325629e+30	1.293195538284708e+33	
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3.770275318589471e+50	3.1413415896247952e+47	3.767133976999846e+50	
4.202294263410931e-18	1.0379739648175876e-17	1.5013655982383955e-18	3.47925660500437e-
18	3.5792040681390034e-17	0.016310632038402596	0.0207211207509164
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0.029353405784931227	0.03809780018031352		0.06671228587484365
0.0865859095007126	0.6455731613342685	0.8362465133708528	0.2447432606798119
0.32064630462387356	0.44000000000000017		1.2412670766236368e-16
0.0	0.0	0.0	0.0
217.49999999999997	2.8421709430404014e-14		34.99999999999999
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299.99999999999999	1.1368683772161605e-13	-2.3353600883069987	0.5035345697344333
100.000000000000001	1.4210854715202007e-14	0.005719699876509207	0.003254704922983901
0.700987011798816	0.0917509402141727	16.38142978430919	9.970372316131249
12.869166507069213	13.168463605738763	11.702816737376867	
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16.17730452527445	2.162646424795779	2.1223807253562983	-2.574137329215788
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0.325786005200057	1580.6286900592108	1736.9828450368627	5.076892894663312
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6.544034488410398e+32	1.3934611031494129e+32	3.648011846500508e+32					
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0.0034903273822750416	1.1556885877947024e+34	6.866353298633349e+33					
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2.1222206286447764e+47	6.0028444197164755e+50	2.4455637362560326e+50					
8.387447616571778	0.5591631744381186	-0.0	0.0				
0.0	0.0	0.0	0.0	0.0			
-0.0	-0.0	0.44	0.0	0.0	0.0	217.5	
35.0	0.0	0.0	300.0	-2.5	100.0	0.008	
0.7236795238406969	9.262873874034792	9.994531778669481	9.845474117050117				
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-0.0	0.0	2.905093182803554e+18	434758.01472868625				
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1.373988353465039e+33	1.289639774972266e+33	8.853483921931832e+33	70859.18474700327				
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0.0	0.0	217.4999999999996	3.9790393202565535e-13				
34.99999999999995	4.973799150320692e-14	0.0	0.0	0.0			

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1610612735.9999979 0.007499999999999992 8.716877585302688e-18
5.35367262631427e+28 7.890887469225208e+28 8.235234132215384e+32
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0.24518283504879668 5.9484952215056186e+35 4.397362913940423e+35 5.31231780984581e+34
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5.29788150789205e+34 5.05289637071573e+34 2.2465733716955593e+35

1.1790321636860138e+35	3.701921849810055e+35	4.490927287192978e+35			
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0.3	0.132	0.3	0.132		0.3
2.300331273556993	0.769821010884173	0.44	0.0		
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0.0	0.0	217.49999999999999	1.1368683772161613e-13		
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6.355420651745858e+30	5.38964285759508e+30	1.2688579962351882e+34			
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3.562862757336724e+48	7.317479648659917e+51	8.909907343814867e+51			
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1.4140644712635285e+34	2.09397639017502e+34	5.382545953117706e+34			
1.380519892800669e+19	45586337.33022047	0.22793168853973858	0.0022793228396806066		
0.02279317073501884	7.5278056120353345e+34	2.6536182634535103e+34			
4.2373110224052085e+31	2.649380952431105e+34	2.742189140147969e+34			
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13479.71310962703 2.182787284255024e-11 2.669583058104698e+24
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1.3607627745360154e+30 1.4847969955943727e+30
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1.9830414611090725e+31	2.236568297313074e+31	1.5807525327537003e+35				
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4.9685377702979907e+48	4.439011223372187e+52	2.7493255164910843e+52				
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0.0	0.0	0.0	0.0	0.0		
-0.0	-0.0	0.44	0.0	0.0	0.0	217.5
35.0	0.0	0.0	300.0	-1.5	100.0	0.02
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0.008	20.0	13147.909725782538	6.121749935895276e+24			0.045
-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	
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1.0518075654037706e+35	2.5787158782302094e+31	1.0515496938159476e+35				
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