

Table A.4: Description of the columns of the main table.

Continued.

Col. name	Description
ID	MUSE source identifier (int)
DATASET	MUSE data set ^a
DEPTH	exposure depth at source location in hours
FROM	spectrum extraction type ^b (Sect. 5.8.1)
ZCONF	redshift confidence: 1 (low) – 3 (high) (Sect. 5.7.3)
MCONF	matching confidence: 0–3, (Sect. 5.7.4)
IFLAG	isolation flag: 1–3, (Sect. 5.7.4)
ZSYS	systemic redshift in vacuum ^c (Sect. 5.8.3)
ZSYS_ERR	error in systemic redshift (Sect. 5.8.3)
REFZ	reference redshift line set ^d (Sect. 5.5)
Z	reference redshift value in vacuum
Z_ERR	error in reference redshift
DLYAFIT	flag to indicate double Ly α fit
DV_ttt	velocity offset with respect to reference redshift for redshift type ttt (km s ⁻¹)
DV_ERR_ttt	velocity offset with respect to reference redshift for redshift type ttt (km s ⁻¹)
RA	right ascension (J2000 degree), see astrometry Sect. 4.1
DEC	declination (J2000 degree) see astrometry Sect. 4.1
CENTER	reference center ^e (Sect. 5.6)
IN_HST	HST matching flag ^f
IN_ORI	ORIGIN matching boolean flag
IN_DR1	DR1 matching boolean flag
IN_MXDF	source is located in MXDF footprint (bool)
IN_UDF10	source is located in UDF-10 footprint (bool)
RAF_ID	R15 catalog unique matched ID (int)
RAF_MIDS	R15 catalog multiple matched IDs ^g
CANDELS_ID	CANDELS v2 catalog unique matched ID (int)
CANDELS_MIDS	CANDELS v2 catalog multiple matched IDs ^g
C3DHST_ID	3D-HST catalog unique matched ID (int)
C3DHST_MIDS	3D-HST catalog multiple matched IDs ^g
ASTRO_ID	ASTRODEEP catalog unique matched ID (int)
ASTRO_MIDS	ASTRODEEP catalog multiple matched IDs ^g
MAG_SRC	source of magnitude ^h
MAG_FLAG	contamination flag (APER magnitude only) ⁱ
MAG_xxx	broadband AB magnitude in xxx HST filter ^j
MAGERR_xxx	AB magnitude error in xxx HST filter ^k

Notes.^(a) MXDF, UDF10 or MOSAIC^(b) ORIGIN, ODHIN or NBEXT^(c) Z_{sys} \equiv Z, except for for simple peak Ly α emitters^(d) BALMER, FORBIDDEN, LYALPHA, ABS, CIV1548 or MGII2796^(e) 3DHST, CANDELS, CUSTOM, NB_EMI, ORIGIN or RAFELSKI^(f) Ambiguous, Detected, Faint, Missed or Undetect^(h) Coded as text with comma separator (e.g., 23,567)^(h) APER, 3DHST, CANDELS or RAF . Aperture photometry (APER) is used for undetected HST source (Sect. 6.2)⁽ⁱ⁾ If true indicate source contamination^(j) Filters are F606W, F775W or F850LP^(k) If MAGERR_xxx < 0, then MAG_xxx \equiv noise stdev

Col. name	Description
MASS_ff	log M/M $_{\odot}$ where M is the stellar mass derived from the ff ^a SED fit (Sect. 6.4).
LERR_MASS_ff	Lower 1 σ percentile of log M/M $_{\odot}$
HERR_MASS_ff	Upper 1 σ percentile of log M/M $_{\odot}$
SFR_ff	log SFR/M $_{\odot}$ yr ⁻¹ where SFR is the star formation rate at 100 Myr lookback time as derived from the ff ^a SED fit (Sect. 6.4).
LERR_SFR_ff	Lower 1 σ percentile of log SFR/M $_{\odot}$ yr ⁻¹
HERR_SFR_ff	Upper 1 σ percentile of log SFR/M $_{\odot}$ yr ⁻¹
LINE_SNR_MAX	name of emission or absorption line with max S/N ^b
SNR_MAX	max S/N
FLUX_MAX	flux of the line with max S/N (10 ⁻²⁰ erg s ⁻¹ cm ⁻²)
111_EMI_FLUX	flux of the 111 ^c emission line (10 ⁻²⁰ erg s ⁻¹ cm ⁻²)
111_EMI_SNR	S/N of the 111 emission line
111_EMI_EQW	Rest frame equivalent width of the 111 emission line (Å)
111_EMI_VD	Rest frame velocity dispersion ^d of the 111 emission line (km s ⁻¹)
111_ABS_FLUX	flux of the 111 ⁱ absorption line (10 ⁻²⁰ erg s ⁻¹ cm ⁻²)
111_ABS_SNR	S/N of the 111 absorption line
111_ABS_EQW	Rest frame equivalent width of the 111 absorption line (Å)
111_ABS_VD	Rest frame velocity dispersion ^c of the 111 absorption line (km s ⁻¹)

Notes.^(a) ff is PRO for Prospector and MAG for Magphys.^(b) b at the end of line name indicate a blend (e.g., OII3727b is the sum of the [O II] $\lambda\lambda$ 3726,3729 doublet)^(c) see table D.1 for line names^(d) corrected for instrumental velocity dispersion