# The CANDELS-EGS Multi-wavelength catalog
# Stefanon et al., 2017
# ReadMe -

## * Data:

| | |
|---|---|
| - u* | CFHT/MegaCam (CFHTLS; Gwyn et al., 2012) |
| - g’ | CFHT/MegaCam (CFHTLS; Gwyn et al., 2012) |
| - r’ | CFHT/MegaCam (CFHTLS; Gwyn et al., 2012) |
| - i’ | CFHT/MegaCam (CFHTLS; Gwyn et al., 2012) |
| - z’ | CFHT/MegaCam (CFHTLS; Gwyn et al., 2012) |
| - F606W | *HST*/ACS (CANDELS; Koekemoer et al. 2011) |
| - F814W | *HST*/ACS (CANDELS; Koekemoer et al. 2011) |
| - F125W | *HST*/WFC3 (CANDELS; Koekemoer et al. 2011) |
| - F140W | *HST*/WFC3 (3D-HST; Skelton et al., 2014) |
| - F160W | *HST*/WFC3 (CANDELS; Koekemoer et al. 2011) |
| - J1 | Mayall/NEWFIRM (NMBS; Whitaker et al., 2011) |
| - J2 | Mayall/NEWFIRM (NMBS; Whitaker et al., 2011) |
| - J3 | Mayall/NEWFIRM (NMBS; Whitaker et al., 2011) |
| - H1 | Mayall/NEWFIRM (NMBS; Whitaker et al., 2011) |
| - H2 | Mayall/NEWFIRM (NMBS; Whitaker et al., 2011) |
| - K | Mayall/NEWFIRM (NMBS; Whitaker et al., 2011) |
| - J | CFHT/WIRCAM (WIRDS; Bielby et al., 2012) |
| - H | CFHT/WIRCAM (WIRDS; Bielby et al., 2012) |
| - Ks | CFHT/WIRCAM (WIRDS; Bielby et al., 2012) |
| - 3.6μm | Spitzer/IRAC (SCANDELS; Asby et al., 2015) |
| - 4.5μm | Spitzer/IRAC (SCANDELS; Asby et al., 2015) |
| - 5.8μm | Spitzer/IRAC (Barmby et al., 2008) |
| - 8.0μm | Spitzer/IRAC (Barmby et al., 2008) |

# * Column description:

********** Photometry **********

Content of hlsp_candels_hst_wfc3_egs-tot-multiband_f160w_v1-1photom_cat

| | |
|---|---|
| # 1 ID | Identification number of the source (1) |
| # 2 IAU_designation | |
| # 3 RA | Right Ascension (J2000) (1) |
| # 4 DEC | Declination (J2000) (1) |
| # 5 RA_Lotz2008 | Right Ascension in AEGIS ACS astrometric system |
| # 6 DEC_Lotz2008 | Declination in AEGIS ACS astrometric system |
| # 7 FLAGS | Flags (2) |
| # 8 CLASS_STAR | Class_star SExtractor parameter (1) |
| # 9 CFHT_u_FLUX | Flux density (in μJy) in the u*-band (CFHT/MegaCam) (3) |
| # 10 CFHT_u_FLUXERR | Flux uncertainty (in μJy) in the u*-band (CFHT/MegaCam) (3) |
| # 11 CFHT_g_FLUX | Flux density (in μJy) in the g'-band (CFHT/MegaCam) (3) |
| # 12 CFHT_g_FLUXERR | Flux uncertainty (in μJy) in the g'-band (CFHT/MegaCam) (3) |
| # 13 CFHT_r_FLUX | Flux density (in μJy) in the r'-band (CFHT/MegaCam) (3) |
| # 14 CFHT_r_FLUXERR | Flux uncertainty (in μJy) in the r'-band (CFHT/MegaCam) (3) |
| # 15 CFHT_i_FLUX | Flux density (in μJy) in the i'-band (CFHT/MegaCam) (3) |
| # 16 CFHT_i_FLUXERR | Flux uncertainty (in μJy) in the i'-band (CFHT/MegaCam) (3) |
| # 17 CFHT_z_FLUX | Flux density (in μJy) in the z'-band (CFHT/MegaCam) (3) |
| # 18 CFHT_z_FLUXERR | Flux uncertainty (in μJy) in the z'-band (CFHT/MegaCam) (3) |
| # 19 ACS_F606W_FLUX | Flux density (in μJy) in the F606W-band (HST/ACS) (3) |
| # 20 ACS_F606W_FLUXERR | Flux uncertainty (in μJy) in the F606W-band (HST/ACS) (3) |
| # 21 ACS_F814W_FLUX | Flux density (in μJy) in the F814W-band (HST/ACS) (3) |
| # 22 ACS_F814W_FLUXERR | Flux uncertainty (in μJy) in the F814W-band (HST/ACS) (3) |
| # 23 WFC3_F125W_FLUX | Flux density (in μJy) in the F125W-band (HST/WFC3) (3) |
| # 24 WFC3_F125W_FLUXERR | Flux uncertainty (in μJy) in the F125W-band (HST/WFC3) (3) |
| # 25 WFC3_F140W_FLUX | Flux density (in μJy) in the F140W-band (HST/WFC3) (3) |
| # 26 WFC3_F140W_FLUXERR | Flux uncertainty (in μJy) in the F140W-band (HST/WFC3) (3) |
| # 27 WFC3_F160W_FLUX | Flux density (in μJy) in the F160W-band (HST/WFC3) (3) |
| # 28 WFC3_F160W_FLUXERR | Flux uncertainty (in μJy) in the F160W-band (HST/WFC3) (3) |
| # 29 WIRCAM_J_FLUX | Flux density (in μJy) in the J-band (CFHT/WIRCam) (3) |
| # 30 WIRCAM_J_FLUXERR | Flux uncertainty (in μJy) in the J-band (CFHT/WIRCam) (3) |
| # 31 WIRCAM_H_FLUX | Flux density (in μJy) in the H-band (CFHT/WIRCam) (3) |
| # 32 WIRCAM_H_FLUXERR | Flux uncertainty (in μJy) in the H-band (CFHT/WIRCam) (3) |
| # 33 WIRCAM_K_FLUX | Flux density (in μJy) in the Ks-band (CFHT/WIRCam) (3) |
| # 34 WIRCAM_K_FLUXERR | Flux uncertainty (in μJy) in the Ks-band (CFHT/WIRCam) (3) |
| # 35 NEWFIRM_J1_FLUX | Flux density (in μJy) in the J1-band (Mayall/NEWFIRM) (3) |
| # 36 NEWFIRM_J1_FLUXERR | Flux uncertainty (in μJy) in the J1-band (Mayall/NEWFIRM) (3) |
| # 37 NEWFIRM_J2_FLUX | Flux density (in μJy) in the J2-band (Mayall/NEWFIRM) (3) |
| # 38 NEWFIRM_J2_FLUXERR | Flux uncertainty (in μJy) in the J2-band (Mayall/NEWFIRM) (3) |
| # 39 NEWFIRM_J3_FLUX | Flux density (in μJy) in the J3-band (Mayall/NEWFIRM) (3) |
| # 40 NEWFIRM_J3_FLUXERR | Flux uncertainty (in μJy) in the J3-band (Mayall/NEWFIRM) (3) |
| # 41 NEWFIRM_H1_FLUX | Flux density (in μJy) in the H1-band (Mayall/NEWFIRM) (3) |
| # 42 NEWFIRM_H1_FLUXERR | Flux uncertainty (in μJy) in the H1-band (Mayall/NEWFIRM) (3) |
| # 43 NEWFIRM_H2_FLUX | Flux density (in μJy) in the H2-band (Mayall/NEWFIRM) (3) |
| # 44 NEWFIRM_H2_FLUXERR | Flux uncertainty (in μJy) in the H2-band (Mayall/NEWFIRM) (3) |
| # 45 NEWFIRM_K_FLUX | Flux density (in μJy) in the K-band (Mayall/NEWFIRM) (3) |
| # 46 NEWFIRM_K_FLUXERR | Flux uncertainty (in μJy) in the K-band (Mayall/NEWFIRM) (3) |
| # 47 IRAC_CH1_FLUX | Flux density (in μJy) in the 3.6μm-band (Spitzer/IRAC) (3) |
| # 48 IRAC_CH1_FLUXERR | Flux uncertainty (in μJy) in the 3.6μm-band (Spitzer/IRAC) (3) |
| # 49 IRAC_CH2_FLUX | Flux density (in μJy) in the 4.5μm-band (Spitzer/IRAC) (3) |
| # 50 IRAC_CH2_FLUXERR | Flux uncertainty (in μJy) in the 4.5μm-band (Spitzer/IRAC) (3) |

| | |
|---|---|
| # 51 IRAC_CH3_FLUX | Flux density (in μJy) in the 5.8μm-band (Spitzer/IRAC) (3) |
| # 52 IRAC_CH3_FLUXERR | Flux uncertainty (in μJy) in the 5.8μm-band (Spitzer/IRAC) (3) |
| # 53 IRAC_CH4_FLUX | Flux density (in μJy) in the 8.0μm-band (Spitzer/IRAC) (3) |
| # 54 IRAC_CH4_FLUXERR | Flux uncertainty (in μJy) in the 8.0μm-band (Spitzer/IRAC) (3) |
| # 55 ACS_F606W_V08_FLUX | Flux density (in μJy) in the F606W-band from CANDELS mosaics v0.8 (3) |
| # 56 ACS_F606W_V08_FLUXERR | Flux uncertainty (in μJy) in the F606W-band from CANDELS mosaics v0.8 (3) |
| # 57 ACS_F814W_V08_FLUX | Flux density (in μJy) in the F814W-band from CANDELS mosaics v0.8 (3) |
| # 58 ACS_F814W_V08_FLUXERR | Flux uncertainty (in μJy) in the F814W-band from CANDELS mosaics v0.8 (3) |
| # 59 WFC3_F125W_V08_FLUX | Flux density (in μJy) in the F125W-band from CANDELS mosaics v0.8 (3) |
| # 60 WFC3_F125W_V08_FLUXERR | Flux uncertainty (in μJy) in the F125W-band from CANDELS mosaics v0.8 (3) |
| # 61 WFC3_F160W_V08_FLUX | Flux density (in μJy) in the F160W-band from CANDELS mosaics v0.8 (3) |
| # 62 WFC3_F160W_V08_FLUXERR | Flux uncertainty (in μJy) in the F160W-band from CANDELS mosaics v0.8 (3) |
| # 63 IRAC_CH3_V08_FLUX | Flux density (in μJy) in the 5.8μm-band (Spitzer/IRAC) version v0.8 (4) |
| # 64 IRAC_CH3_V08_FLUXERR | Flux uncertainty (in μJy) in the 5.8μm-band (Spitzer/IRAC) version v0.8 (4) |
| # 65 IRAC_CH4_V08_FLUX | Flux density (in μJy) in the 8.0μm-band (Spitzer/IRAC) version v0.8 (4) |
| # 66 IRAC_CH4_V08_FLUXERR | Flux uncertainty (in μJy) in the 8.0μm-band (Spitzer/IRAC) version v0.8 (4) |
| # 67 ACS_F606W_FLUX_PHZ | Flux density (in μJy) in the F606W-band (HST/ACS) (5) |
| # 68 ACS_F606W_FLUXERR_PHZ | Flux uncertainty (in μJy) in the F606W-band (HST/ACS) (5) |
| # 69 ACS_F814W_FLUX_PHZ | Flux density (in μJy) in the F814W-band (HST/ACS) (5) |
| # 70 ACS_F814W_FLUXERR_PHZ | Flux uncertainty (in μJy) in the F814W-band (HST/ACS) (5) |
| # 71 WFC3_F125W_FLUX_PHZ | Flux density (in μJy) in the F125W-band (HST/WFC3) (5) |
| # 72 WFC3_F125W_FLUXERR_PHZ | Flux uncertainty (in μJy) in the F125W-band (HST/WFC3) (5) |
| # 73 WFC3_F140W_FLUX_PHZ | Flux density (in μJy) in the F140W-band (HST/WFC3) (5) |
| # 74 WFC3_F140W_FLUXERR_PHZ | Flux uncertainty (in μJy) in the F140W-band (HST/WFC3) (5) |
| # 75 WFC3_F160W_FLUX_PHZ | Flux density (in μJy) in the F160W-band (HST/WFC3) (5) |
| # 76 WFC3_F160W_FLUXERR_PHZ | Flux uncertainty (in μJy) in the F160W-band (HST/WFC3) (5) |
| # 77 DEEP_SPEC_Z | Spectroscopic redshift if available ('-99' otherwise) (6) |

********** Limiting magnitudes & Covariance Indexes **********

Content of hlsp_candels_hst_wfc3_egs-tot-multiband_f160w_v1-2limcov_cat

| | |
|---|---|
| # 1 ID | Unique identification number of the source |
| # 2 Limiting_Magnitude_UCFHTLS | Limiting magnitude at the source position in CFHTLS u* (AB) (7) |
| # 3 Limiting_Magnitude_GCFHTLS | Limiting magnitude at the source position in CFHTLS g' (AB) (7) |
| # 4 Limiting_Magnitude_RCFHTLS | Limiting magnitude at the source position in CFHTLS r' (AB) (7) |
| # 5 Limiting_Magnitude_ICFHTLS | Limiting magnitude at the source position in CFHTLS i' (AB) (7) |
| # 6 Limiting_Magnitude_ZCFHTLS | Limiting magnitude at the source position in CFHTLS z' (AB) (7) |
| # 7 Limiting_Magnitude_F606W | Limiting magnitude at the source position in F606W (AB) (7) |
| # 8 Limiting_Magnitude_F814W | Limiting magnitude at the source position in F814W (AB) (7) |
| # 9 Limiting_Magnitude_F125W | Limiting magnitude at the source position in F125W (AB) (7) |
| # 10 Limiting_Magnitude_F140W | Limiting magnitude at the source position in F140W (AB) (7) |
| # 11 Limiting_Magnitude_F160W | Limiting magnitude at the source position in F160W (AB) (7) |
| # 12 Limiting_Magnitude_WIRCAMJ | Limiting magnitude at the source position in WIRCAMJ (AB) (7) |
| # 13 Limiting_Magnitude_WIRCAMH | Limiting magnitude at the source position in WIRCAMH (AB) (7) |
| # 14 Limiting_Magnitude_WIRCAMK | Limiting magnitude at the source position in WIRCAMK (AB) (7) |
| # 15 Limiting_Magnitude_NMBSJ1 | Limiting magnitude at the source position in NMBSJ1 (AB) (7) |
| # 16 Limiting_Magnitude_NMBSJ2 | Limiting magnitude at the source position in NMBSJ2 (AB) (7) |
| # 17 Limiting_Magnitude_NMBSJ3 | Limiting magnitude at the source position in NMBSJ3 (AB) (7) |
| # 18 Limiting_Magnitude_NMBSH1 | Limiting magnitude at the source position in NMBSH1 (AB) (7) |
| # 19 Limiting_Magnitude_NMBSH2 | Limiting magnitude at the source position in NMBSH2 (AB) (7) |
| # 20 Limiting_Magnitude_NMBSK | Limiting magnitude at the source position in NMBSK (AB) (7) |
| # 21 Limiting_Magnitude_CH1 | Limiting magnitude at the source position in IRAC 3.6μm(AB) (7) |
| # 22 Limiting_Magnitude_CH2 | Limiting magnitude at the source position in IRAC 4.5μm(AB) (7) |
| # 23 Limiting_Magnitude_CH3 | Limiting magnitude at the source position in IRAC 5.8μm(AB) (7) |
| # 24 Limiting_Magnitude_CH4 | Limiting magnitude at the source position in IRAC 8.0μm(AB) (7) |
| # 25 Limiting_Magnitude_F606W_v08 | Limiting magnitude at the source position in F606W ACS AEGIS data only (AB) (7) |

# 26 Limiting_Magnitude_F814W_v08 Limiting magnitude at the source position in F814W ACS AEGIS data only (AB) (7)
# 27 Limiting_Magnitude_F125W_v08 Limiting magnitude at the source position in F125W epoch 1 only(AB) (7)
# 28 Limiting_Magnitude_F160W_v08 Limiting magnitude at the source position in F160W epoch 1 only (AB) (7)
# 29 Weight_UCFHTLS Weight at the source position in CFHTLS u* (8)
# 30 Weight_GCFHTLS Weight at the source position in CFHTLS g' (8)
# 31 Weight_RCFHTLS Weight at the source position in CFHTLS r' (8)
# 32 Weight_ICFHTLS Weight at the source position in CFHTLS i' (8)
# 33 Weight_ZCFHTLS Weight at the source position in CFHTLS z' (8)
# 34 Weight_F606W Weight at the source position in F606W (8)
# 35 Weight_F814W Weight at the source position in F814W (8)
# 36 Weight_F125W Weight at the source position in F125W (8)
# 37 Weight_F140W Weight at the source position in F140W (8)
# 38 Weight_F160W Weight at the source position in F160W (8)
# 39 Weight_WIRCAMJ Weight at the source position in WIRCAMJ (8)
# 40 Weight_WIRCAMH Weight at the source position in WIRCAMH (8)
# 41 Weight_WIRCAMK Weight at the source position in WIRCAMK (8)
# 42 Weight_NMBSJ1 Weight at the source position in NMBSJ1 (8)
# 43 Weight_NMBSJ2 Weight at the source position in NMBSJ2 (8)
# 44 Weight_NMBSJ3 Weight at the source position in NMBSJ3 (8)
# 45 Weight_NMBSH1 Weight at the source position in NMBSH1 (8)
# 46 Weight_NMBSH2 Weight at the source position in NMBSH2 (8)
# 47 Weight_NMBSK Weight at the source position in NMBSK (8)
# 48 Weight_CH1 Weight at the source position in IRAC 3.6μm (8)
# 49 Weight_CH2 Weight at the source position in IRAC 4.5μm (8)
# 50 Weight_CH3 Weight at the source position in IRAC 5.8μm (8)
# 51 Weight_CH4 Weight at the source position in IRAC 8.0μm (8)
# 52 Weight_F606W_08 Weight at the source position in F606W acs aegis data only (8)
# 53 Weight_F814W_08 Weight at the source position in F814W acs aegis data only (8)
# 54 Weight_F125W_08 Weight at the source position in F125W epoch 1 only(AB) (8)
# 55 Weight_F160W_08 Weight at the source position in F160W epoch 1 only (AB) (8)
# 56 Covariance_UCFHTLS Maximum covariance index in CFHTLS u*
# 57 Covariance_GCFHTLS Maximum covariance index in CFHTLS g'
# 58 Covariance_RCFHTLS Maximum covariance index in CFHTLS r'
# 59 Covariance_ICFHTLS Maximum covariance index in CFHTLS i'
# 60 Covariance_ZCFHTLS Maximum covariance index in CFHTLS z'
# 61 Covariance_WIRCAMJ Maximum covariance index in WIRCAM J
# 62 Covariance_WIRCAMH Maximum covariance index in WIRCAM H
# 63 Covariance_WIRCAMK Maximum covariance index in WIRCAM K
# 64 Covariance_NMBSJ1 Maximum covariance index in NMBS J1
# 65 Covariance_NMBSJ2 Maximum covariance index in NMBS J2
# 66 Covariance_NMBSJ3 Maximum covariance index in NMBS J3
# 67 Covariance_NMBSH1 Maximum covariance index in NMBS H1
# 68 Covariance_NMBSH2 Maximum covariance index in NMBS H2
# 69 Covariance_NMBSK Maximum covariance index in NMBS K
# 70 Covariance_CH1 Maximum covariance index in IRAC 3.6μm
# 71 Covariance_CH2 Maximum covariance index in IRAC 4.5μm
# 72 Covariance_CH3 Maximum covariance index in IRAC 5.8μm
# 73 Covariance_CH4 Maximum covariance index in IRAC 8.0μm

********** SExtractor parameters derived from the CANDELS HST data **********

Content of hlsp_candels_hst_wfc3_egs-tot-multiband_f160w_v1-3sext1_cat

# 1 ID Unique identification number of the source
# 2 FLUX_MAX_F606W Peak flux above background F606W (μJy)
# 3 FLUX_MAX_F814W Peak flux above background F814W (μJy)
# 4 FLUX_MAX_F125W Peak flux above background F125W (μJy)

```
#   5 FLUX_MAX_F140W          Peak flux above background F140W (μJy)
#   6 FLUX_MAX_F160W          Peak flux above background F160W (μJy)
#   7 FLUX_ISO_F606W          Isophotal flux F606W (uJy)
#   8 FLUXERR_ISO_F606W       Isophotal flux uncertainty F606W (uJy)
#   9 FLUX_ISO_F814W          Isophotal flux F814W (uJy)
#  10 FLUXERR_ISO_F814W       Isophotal flux uncertainty F814W (uJy)
#  11 FLUX_ISO_F125W          Isophotal flux F125W (uJy)
#  12 FLUXERR_ISO_F125W       Isophotal flux uncertainty F125W (uJy)
#  13 FLUX_ISO_F140W          Isophotal flux F140W (uJy)
#  14 FLUXERR_ISO_F140W       Isophotal flux uncertainty F140W (uJy)
#  15 FLUX_ISO_F160W          Isophotal flux F160W (uJy)
#  16 FLUXERR_ISO_F160W       Isophotal flux uncertainty F160W (uJy)
#  17 FLUX_ISOCOR_F606W       Isophotal-corrected flux F606W (uJy)
#  18 FLUXERR_ISOCOR_F606W    Isophotal-corrected flux uncertainty F606W (uJy)
#  19 FLUX_ISOCOR_F814W       Isophotal-corrected flux F814W (uJy)
#  20 FLUXERR_ISOCOR_F814W    Isophotal-corrected flux uncertainty F814W (uJy)
#  21 FLUX_ISOCOR_F125W       Isophotal-corrected flux F125W (uJy)
#  22 FLUXERR_ISOCOR_F125W    Isophotal-corrected flux uncertainty F125W (uJy)
#  23 FLUX_ISOCOR_F140W       Isophotal-corrected flux F140W (uJy)
#  24 FLUXERR_ISOCOR_F140W    Isophotal-corrected flux uncertainty F140W (uJy)
#  25 FLUX_ISOCOR_F160W       Isophotal-corrected flux F160W (uJy)
#  26 FLUXERR_ISOCOR_F160W    Isophotal-corrected flux uncertainty F160W (uJy)
#  27 FLUX_AUTO_F606W         Flux within a Kron-like aperture F606W (uJy)
#  28 FLUXERR_AUTO_F606W      Flux uncertainty within a Kron-like aperture F606W (uJy)
#  29 FLUX_AUTO_F814W         Flux within a Kron-like aperture F814W (uJy)
#  30 FLUXERR_AUTO_F814W      Flux uncertainty within a Kron-like aperture F814W (uJy)
#  31 FLUX_AUTO_F125W         Flux within a Kron-like aperture F125W (uJy)
#  32 FLUXERR_AUTO_F125W      Flux uncertainty within a Kron-like aperture F125W (uJy)
#  33 FLUX_AUTO_F140W         Flux within a Kron-like aperture F140W (uJy)
#  34 FLUXERR_AUTO_F140W      Flux uncertainty within a Kron-like aperture F140W (uJy)
#  35 FLUX_AUTO_F160W         Flux within a Kron-like aperture F160W (uJy)
#  36 FLUXERR_AUTO_F160W      Flux uncertainty within a Kron-like aperture F160W (uJy)
#  37 FLUX_PETRO_F606W        Flux within a Petrosian-like aperture F606W (uJy)
#  38 FLUXERR_PETRO_F606W     Flux uncertainty within a Petrosian-like aperture F606W (uJy)
#  39 FLUX_PETRO_F814W        Flux within a Petrosian-like aperture F814W (uJy)
#  40 FLUXERR_PETRO_F814W     Flux uncertainty within a Petrosian-like aperture F814W (uJy)
#  41 FLUX_PETRO_F125W        Flux within a Petrosian-like aperture F125W (uJy)
#  42 FLUXERR_PETRO_F125W     Flux uncertainty within a Petrosian-like aperture F125W (uJy)
#  43 FLUX_PETRO_F140W        Flux within a Petrosian-like aperture F140W (uJy)
#  44 FLUXERR_PETRO_F140W     Flux uncertainty within a Petrosian-like aperture F140W (uJy)
#  45 FLUX_PETRO_F160W        Flux within a Petrosian-like aperture F160W (uJy)
#  46 FLUXERR_PETRO_F160W     Flux uncertainty within a Petrosian-like aperture F160W (uJy)
#  47 FLUX_BEST_F606W         Best of FLUX_AUTO and FLUX_ISOCOR F606W (uJy)
#  48 FLUXERR_BEST_F606W      Flux unc. for Best of FLUX_AUTO and FLUX_ISOCOR F606W (uJy)
#  49 FLUX_BEST_F814W         Best of FLUX_AUTO and FLUX_ISOCOR F814W (uJy)
#  50 FLUXERR_BEST_F814W      Flux unc. for Best of FLUX_AUTO and FLUX_ISOCOR F814W (uJy)
#  51 FLUX_BEST_F125W         Best of FLUX_AUTO and FLUX_ISOCOR F125W (uJy)
#  52 FLUXERR_BEST_F125W      Flux unc. for Best of FLUX_AUTO and FLUX_ISOCOR F125W (uJy)
#  53 FLUX_BEST_F140W         Best of FLUX_AUTO and FLUX_ISOCOR F140W (uJy)
#  54 FLUXERR_BEST_F140W      Flux unc. for Best of FLUX_AUTO and FLUX_ISOCOR F140W (uJy)
#  55 FLUX_BEST_F160W         Best of FLUX_AUTO and FLUX_ISOCOR F160W (uJy)
#  56 FLUXERR_BEST_F160W      Flux unc. for Best of FLUX_AUTO and FLUX_ISOCOR F160W (uJy)
#  57 FLUX_APER_1_F606W       Flux within circular aperture of diam. 0.088" - F606W (uJy)
#  58 FLUXERR_APER_1_F606W    Flux unc. within circular aperture of diam. 0.088" - F606W (uJy)
#  59 FLUX_APER_1_F814W       Flux within circular aperture of diam. 0.088" - F814W (uJy)
#  60 FLUXERR_APER_1_F814W    Flux unc. within circular aperture of diam. 0.088" - F814W (uJy)
#  61 FLUX_APER_1_F125W       Flux within circular aperture of diam. 0.088" - F125W (uJy)
```

```
#  62 FLUXERR_APER_1_F125W      Flux unc. within circular aperture of diam. 0.088" - F125W (uJy)
#  63 FLUX_APER_1_F140W         Flux within circular aperture of diam. 0.088" - F140W (uJy)
#  64 FLUXERR_APER_1_F140W      Flux unc. within circular aperture of diam. 0.088" - F140W (uJy)
#  65 FLUX_APER_1_F160W         Flux within circular aperture of diam. 0.088" - F160W (uJy)
#  66 FLUXERR_APER_1_F160W      Flux unc. within circular aperture of diam. 0.088" - F160W (uJy)
#  67 FLUX_APER_2_F606W         Flux within circular aperture of diam. 0.125" - F606W (uJy)
#  68 FLUXERR_APER_2_F606W      Flux unc. within circular aperture of diam. 0.125" - F606W (uJy)
#  69 FLUX_APER_2_F814W         Flux within circular aperture of diam. 0.125" - F814W (uJy)
#  70 FLUXERR_APER_2_F814W      Flux unc. within circular aperture of diam. 0.125" - F814W (uJy)
#  71 FLUX_APER_2_F125W         Flux within circular aperture of diam. 0.125" - F125W (uJy)
#  72 FLUXERR_APER_2_F125W      Flux unc. within circular aperture of diam. 0.125" - F125W (uJy)
#  73 FLUX_APER_2_F140W         Flux within circular aperture of diam. 0.125" - F140W (uJy)
#  74 FLUXERR_APER_2_F140W      Flux unc. within circular aperture of diam. 0.125" - F140W (uJy)
#  75 FLUX_APER_2_F160W         Flux within circular aperture of diam. 0.125" - F160W (uJy)
#  76 FLUXERR_APER_2_F160W      Flux unc. within circular aperture of diam. 0.125" - F160W (uJy)
#  77 FLUX_APER_3_F606W         Flux within circular aperture of diam. 0.176" - F606W (uJy)
#  78 FLUXERR_APER_3_F606W      Flux unc. within circular aperture of diam. 0.176" - F606W (uJy)
#  79 FLUX_APER_3_F814W         Flux within circular aperture of diam. 0.176" - F814W (uJy)
#  80 FLUXERR_APER_3_F814W      Flux unc. within circular aperture of diam. 0.176" - F814W (uJy)
#  81 FLUX_APER_3_F125W         Flux within circular aperture of diam. 0.176" - F125W (uJy)
#  82 FLUXERR_APER_3_F125W      Flux unc. within circular aperture of diam. 0.176" - F125W (uJy)
#  83 FLUX_APER_3_F140W         Flux within circular aperture of diam. 0.176" - F140W (uJy)
#  84 FLUXERR_APER_3_F140W      Flux unc. within circular aperture of diam. 0.176" - F140W (uJy)
#  85 FLUX_APER_3_F160W         Flux within circular aperture of diam. 0.176" - F160W (uJy)
#  86 FLUXERR_APER_3_F160W      Flux unc. within circular aperture of diam. 0.176" - F160W (uJy)
#  87 FLUX_APER_4_F606W         Flux within circular aperture of diam. 0.25" - F606W (uJy)
#  88 FLUXERR_APER_4_F606W      Flux unc. within circular aperture of diam. 0.25" - F606W (uJy)
#  89 FLUX_APER_4_F814W         Flux within circular aperture of diam. 0.25" - F814W (uJy)
#  90 FLUXERR_APER_4_F814W      Flux unc. within circular aperture of diam. 0.25" - F814W (uJy)
#  91 FLUX_APER_4_F125W         Flux within circular aperture of diam. 0.25" - F125W (uJy)
#  92 FLUXERR_APER_4_F125W      Flux unc. within circular aperture of diam. 0.25" - F125W (uJy)
#  93 FLUX_APER_4_F140W         Flux within circular aperture of diam. 0.25" - F140W (uJy)
#  94 FLUXERR_APER_4_F140W      Flux unc. within circular aperture of diam. 0.25" - F140W (uJy)
#  95 FLUX_APER_4_F160W         Flux within circular aperture of diam. 0.25" - F160W (uJy)
#  96 FLUXERR_APER_4_F160W      Flux unc. within circular aperture of diam. 0.25" - F160W (uJy)
#  97 FLUX_APER_5_F606W         Flux within circular aperture of diam. 0.35" - F606W (uJy)
#  98 FLUXERR_APER_5_F606W      Flux unc. within circular aperture of diam. 0.35" - F606W (uJy)
#  99 FLUX_APER_5_F814W         Flux within circular aperture of diam. 0.35" - F814W (uJy)
# 100 FLUXERR_APER_5_F814W      Flux unc. within circular aperture of diam. 0.35" - F814W (uJy)
# 101 FLUX_APER_5_F125W         Flux within circular aperture of diam. 0.35" - F125W (uJy)
# 102 FLUXERR_APER_5_F125W      Flux unc. within circular aperture of diam. 0.35" - F125W (uJy)
# 103 FLUX_APER_5_F140W         Flux within circular aperture of diam. 0.35" - F140W (uJy)
# 104 FLUXERR_APER_5_F140W      Flux unc. within circular aperture of diam. 0.35" - F140W (uJy)
# 105 FLUX_APER_5_F160W         Flux within circular aperture of diam. 0.35" - F160W (uJy)
# 106 FLUXERR_APER_5_F160W      Flux unc. within circular aperture of diam. 0.35" - F160W (uJy)
# 107 FLUX_APER_6_F606W         Flux within circular aperture of diam. 0.5" - F606W (uJy)
# 108 FLUXERR_APER_6_F606W      Flux unc. within circular aperture of diam. 0.5" - F606W (uJy)
# 109 FLUX_APER_6_F814W         Flux within circular aperture of diam. 0.5" - F814W (uJy)
# 110 FLUXERR_APER_6_F814W      Flux unc. within circular aperture of diam. 0.5" - F814W (uJy)
# 111 FLUX_APER_6_F125W         Flux within circular aperture of diam. 0.5" - F125W (uJy)
# 112 FLUXERR_APER_6_F125W      Flux unc. within circular aperture of diam. 0.5" - F125W (uJy)
# 113 FLUX_APER_6_F140W         Flux within circular aperture of diam. 0.5" - F140W (uJy)
# 114 FLUXERR_APER_6_F140W      Flux unc. within circular aperture of diam. 0.5" - F140W (uJy)
# 115 FLUX_APER_6_F160W         Flux within circular aperture of diam. 0.5" - F160W (uJy)
# 116 FLUXERR_APER_6_F160W      Flux unc. within circular aperture of diam. 0.5" - F160W (uJy)
# 117 FLUX_APER_7_F606W         Flux within circular aperture of diam. 0.71" - F606W (uJy)
# 118 FLUXERR_APER_7_F606W      Flux unc. within circular aperture of diam. 0.71" - F606W (uJy)
```

| | |
|---|---|
| # 119 FLUX_APER_7_F814W | Flux within circular aperture of diam. 0.71" - F814W (uJy) |
| # 120 FLUXERR_APER_7_F814W | Flux unc. within circular aperture of diam. 0.71" - F814W (uJy) |
| # 121 FLUX_APER_7_F125W | Flux within circular aperture of diam. 0.71" - F125W (uJy) |
| # 122 FLUXERR_APER_7_F125W | Flux unc. within circular aperture of diam. 0.71" - F125W (uJy) |
| # 123 FLUX_APER_7_F140W | Flux within circular aperture of diam. 0.71" - F140W (uJy) |
| # 124 FLUXERR_APER_7_F140W | Flux unc. within circular aperture of diam. 0.71" - F140W (uJy) |
| # 125 FLUX_APER_7_F160W | Flux within circular aperture of diam. 0.71" - F160W (uJy) |
| # 126 FLUXERR_APER_7_F160W | Flux unc. within circular aperture of diam. 0.71" - F160W (uJy) |
| # 127 FLUX_APER_8_F606W | Flux within circular aperture of diam. 1.0" - F606W (uJy) |
| # 128 FLUXERR_APER_8_F606W | Flux unc. within circular aperture of diam. 1.0" - F606W (uJy) |
| # 129 FLUX_APER_8_F814W | Flux within circular aperture of diam. 1.0" - F814W (uJy) |
| # 130 FLUXERR_APER_8_F814W | Flux unc. within circular aperture of diam. 1.0" - F814W (uJy) |
| # 131 FLUX_APER_8_F125W | Flux within circular aperture of diam. 1.0" - F125W (uJy) |
| # 132 FLUXERR_APER_8_F125W | Flux unc. within circular aperture of diam. 1.0" - F125W (uJy) |
| # 133 FLUX_APER_8_F140W | Flux within circular aperture of diam. 1.0" - F140W (uJy) |
| # 134 FLUXERR_APER_8_F140W | Flux unc. within circular aperture of diam. 1.0" - F140W (uJy) |
| # 135 FLUX_APER_8_F160W | Flux within circular aperture of diam. 1.0" - F160W (uJy) |
| # 136 FLUXERR_APER_8_F160W | Flux unc. within circular aperture of diam. 1.0" - F160W (uJy) |
| # 137 FLUX_APER_9_F606W | Flux within circular aperture of diam. 1.414" - F606W (uJy) |
| # 138 FLUXERR_APER_9_F606W | Flux unc. within circular aperture of diam. 1.414" - F606W (uJy) |
| # 139 FLUX_APER_9_F814W | Flux within circular aperture of diam. 1.414" - F814W (uJy) |
| # 140 FLUXERR_APER_9_F814W | Flux unc. within circular aperture of diam. 1.414" - F814W (uJy) |
| # 141 FLUX_APER_9_F125W | Flux within circular aperture of diam. 1.414" - F125W (uJy) |
| # 142 FLUXERR_APER_9_F125W | Flux unc. within circular aperture of diam. 1.414" - F125W (uJy) |
| # 143 FLUX_APER_9_F140W | Flux within circular aperture of diam. 1.414" - F140W (uJy) |
| # 144 FLUXERR_APER_9_F140W | Flux unc. within circular aperture of diam. 1.414" - F140W (uJy) |
| # 145 FLUX_APER_9_F160W | Flux within circular aperture of diam. 1.414" - F160W (uJy) |
| # 146 FLUXERR_APER_9_F160W | Flux unc. within circular aperture of diam. 1.414" - F160W (uJy) |
| # 147 FLUX_APER_10_F606W | Flux within circular aperture of diam. 2.0" - F606W (uJy) |
| # 148 FLUXERR_APER_10_F606W | Flux unc. within circular aperture of diam. 2.0" - F606W (uJy) |
| # 149 FLUX_APER_10_F814W | Flux within circular aperture of diam. 2.0" - F814W (uJy) |
| # 150 FLUXERR_APER_10_F814W | Flux unc. within circular aperture of diam. 2.0" - F814W (uJy) |
| # 151 FLUX_APER_10_F125W | Flux within circular aperture of diam. 2.0" - F125W (uJy) |
| # 152 FLUXERR_APER_10_F125W | Flux unc. within circular aperture of diam. 2.0" - F125W (uJy) |
| # 153 FLUX_APER_10_F140W | Flux within circular aperture of diam. 2.0" - F140W (uJy) |
| # 154 FLUXERR_APER_10_F140W | Flux unc. within circular aperture of diam. 2.0" - F140W (uJy) |
| # 155 FLUX_APER_10_F160W | Flux within circular aperture of diam. 2.0" - F160W (uJy) |
| # 156 FLUXERR_APER_10_F160W | Flux unc. within circular aperture of diam. 2.0" - F160W (uJy) |
| # 157 FLUX_APER_11_F606W | Flux within circular aperture of diam. 2.828" - F606W (uJy) |
| # 158 FLUXERR_APER_11_F606W | Flux unc. within circular aperture of diam. 2.828" - F606W (uJy) |
| # 159 FLUX_APER_11_F814W | Flux within circular aperture of diam. 2.828" - F814W (uJy) |
| # 160 FLUXERR_APER_11_F814W | Flux unc. within circular aperture of diam. 2.828" - F814W (uJy) |
| # 161 FLUX_APER_11_F125W | Flux within circular aperture of diam. 2.828" - F125W (uJy) |
| # 162 FLUXERR_APER_11_F125W | Flux unc. within circular aperture of diam. 2.828" - F125W (uJy) |
| # 163 FLUX_APER_11_F140W | Flux within circular aperture of diam. 2.828" - F140W (uJy) |
| # 164 FLUXERR_APER_11_F140W | Flux unc. within circular aperture of diam. 2.828" - F140W (uJy) |
| # 165 FLUX_APER_11_F160W | Flux within circular aperture of diam. 2.828" - F160W (uJy) |
| # 166 FLUXERR_APER_11_F160W | Flux unc. within circular aperture of diam. 2.828" - F160W (uJy) |

Content of hlsp_candels_hst_wfc3_egs-tot-multiband_f160w_v1-4sext2_cat

| | |
|---|---|
| # 1 ID | Unique identification number of the source |
| # 2 X_IMAGE | Object position along x [pixel] |
| # 3 Y_IMAGE | Object position along y [pixel] |

```
#  4 XPEAK_IMAGE            x-coordinate of the brightest pixel [pixel]
#  5 YPEAK_IMAGE            y-coordinate of the brightest pixel [pixel]
#  6 XMIN_IMAGE             Minimum x-coordinate among detected pixels [pixel]
#  7 YMIN_IMAGE             Minimum y-coordinate among detected pixels [pixel]
#  8 XMAX_IMAGE             Maximum x-coordinate among detected pixels [pixel]
#  9 YMAX_IMAGE             Maximum y-coordinate among detected pixels [pixel]
# 10 X2_IMAGE               Variance along x [pixel^2]
# 11 Y2_IMAGE               Variance along y [pixel^2]
# 12 XY_IMAGE               Covariance between x and y [pixel^2]
# 13 CXX_IMAGE              Cxx object ellipse parameter [pixel^(-2)]
# 14 CYY_IMAGE              Cyy object ellipse parameter [pixel^(-2)]
# 15 CXY_IMAGE              Cxy object ellipse parameter [pixel^(-2)]
# 16 A_IMAGE                Profile RMS along major axis [pixel]
# 17 B_IMAGE                Profile RMS along minor axis [pixel]
# 18 ERRA_IMAGE             RMS position error along major axis [pixel]
# 19 ERRB_IMAGE             RMS position error along minor axis [pixel]
# 20 THETA_IMAGE            Position angle (CCW/x) [deg]
# 21 ERRTHETA_IMAGE         Error ellipse position angle (CCW/x) [deg]
# 22 ISOAREAF_IMAGE         Isophotal area (filtered) above Detection threshold [pixel^2]
# 23 ISOAREA_IMAGE_F606W    Isophotal area above Analysis threshold [pixel^2] of F606W
# 24 ISOAREA_IMAGE_F814W    Isophotal area above Analysis threshold [pixel^2] of F814W
# 25 ISOAREA_IMAGE_F125W    Isophotal area above Analysis threshold [pixel^2] of F125W
# 26 ISOAREA_IMAGE_F140W    Isophotal area above Analysis threshold [pixel^2] of F140W
# 27 ISOAREA_IMAGE_F160W    Isophotal area above Analysis threshold [pixel^2] of F160W
# 28 BACKGROUND_F606W       Background at centroid position [count] of F606W
# 29 BACKGROUND_F814W       Background at centroid position [count] of F814W
# 30 BACKGROUND_F125W       Background at centroid position [count] of F125W
# 31 BACKGROUND_F140W       Background at centroid position [count] of F140W
# 32 BACKGROUND_F160W       Background at centroid position [count] of F160W
# 33 FLUX_RADIUS_1_F606W    20% Fraction-of-light radii [pixel] of F606W
# 34 FLUX_RADIUS_1_F814W    20% Fraction-of-light radii [pixel] of F814W
# 35 FLUX_RADIUS_1_F125W    20% Fraction-of-light radii [pixel] of F125W
# 36 FLUX_RADIUS_1_F140W    20% Fraction-of-light radii [pixel] of F140W
# 37 FLUX_RADIUS_1_F160W    20% Fraction-of-light radii [pixel] of F160W
# 38 FLUX_RADIUS_2_F606W    50% Fraction-of-light radii [pixel] of F606W
# 39 FLUX_RADIUS_2_F814W    50% Fraction-of-light radii [pixel] of F814W
# 40 FLUX_RADIUS_2_F125W    50% Fraction-of-light radii [pixel] of F125W
# 41 FLUX_RADIUS_2_F140W    50% Fraction-of-light radii [pixel] of F140W
# 42 FLUX_RADIUS_2_F160W    50% Fraction-of-light radii [pixel] of F160W
# 43 FLUX_RADIUS_3_F606W    80% Fraction-of-light radii [pixel] of F606W
# 44 FLUX_RADIUS_3_F814W    80% Fraction-of-light radii [pixel] of F814W
# 45 FLUX_RADIUS_3_F125W    80% Fraction-of-light radii [pixel] of F125W
# 46 FLUX_RADIUS_3_F140W    80% Fraction-of-light radii [pixel] of F140W
# 47 FLUX_RADIUS_3_F160W    80% Fraction-of-light radii [pixel] of F160W
# 48 FWHM_IMAGE_F606W       FWHM assuming a gaussian core [pixel] of F606W
# 49 FWHM_IMAGE_F814W       FWHM assuming a gaussian core [pixel] of F814W
# 50 FWHM_IMAGE_F125W       FWHM assuming a gaussian core [pixel] of F125W
# 51 FWHM_IMAGE_F140W       FWHM assuming a gaussian core [pixel] of F140W
# 52 FWHM_IMAGE_F160W       FWHM assuming a gaussian core [pixel] of F160W
# 53 KRON_RADIUS            Kron apertures in units of A or B
# 54 PETRO_RADIUS           Petrosian apertures in units of A or B

********************************************************************************
```

# * Notes:

(1) From the F160W-detected Extractor catalog

(2) The flag map was constructed based on the F160W image. The meaning for each value is reported below:
- '0': non-contaminated source
- '1': Sources detected on star spikes, halos and the bright stars producing them
- '2': Sources detected at the image borders or in regions of low S/N (teardrops)
- '4': Sources showing dz/(1+z)>0.1 after recovering some of the HST fluxes (see note 5)
- '8': Sources with WFC3_F160W_FLUX < 0

The above values are combined following the OR logic. For example, if a source is located close to a bright star and in a region of low S/N it will have a flag value of 3.

(3) The photometry was not corrected for Galactic dust extinction. Values of −99 indicate the source has no data. For HST bands, a value of -99 may also indicate bad values in the mosaic at the position of the source.

(4) The *Spitzer*/IRAC 5.8um photometry has been improved after photometric redshift and stellar mass computations. Here we report the former version of photometry, adopted for the measurement of photometric redshifts and stellar population parameters.

(5) The fluxes and uncertainties in some HST bands and for some of the sources were initially set to -99 even if there was no indication of bad measurement. Columns 19-28 contain the fixed values. Here we include the original version of these columns as such measurements were adopted to estimate photometric redshifts and stellar population parameters. These columns are identified by the suffix _PHZ (for photo-z). Tests showed that photo-z for most of the sources were not strongly affected by this problem. However, we further OR-flag the FLAGS column with the value 4 to reflect the 160 sources for which dz/(1+z)>0.1 and likely less robust stellar population parameters.

(6) Matching spectroscopic redshifts from the DEEP2 and DEEP3 surveys (Davis et al., 2007; Newman et al., 2013; Cooper et al., 2011, 2012); -1 if no matching source was found within 0.8".

(7) Limiting Magnitudes:
- For ground-based and HST data, the limiting magnitudes of a source were derived from the median value of the rms within the source segmentation aperture, reported to an area of one square arcsec (at a 1σ level). The original SExtractor segmentation map was used for the HST data. For the ground-based data, we made use of the dilated segmentation map since the photometry in these bands was derived from a dilated segmentation area.
- The limiting magnitude for the *Spitzer*/IRAC bands was derived from the rms value at the position of the source reported to an area of one square arcsec.

(8) Weights were computed as the median of the values from the corresponding weight map within the F160W segmentation map for HST bands and the dilated segmentation map for *Spitzer*/IRAC and ground-based data.