PPVI 2. CARMENCITA herbs and spices to help you prepare a genuine target sample

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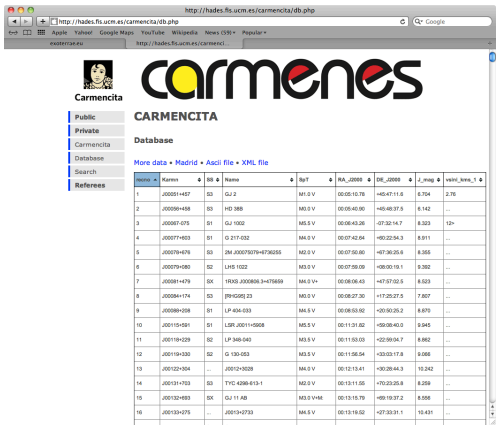
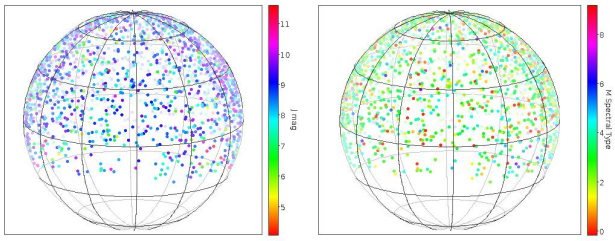
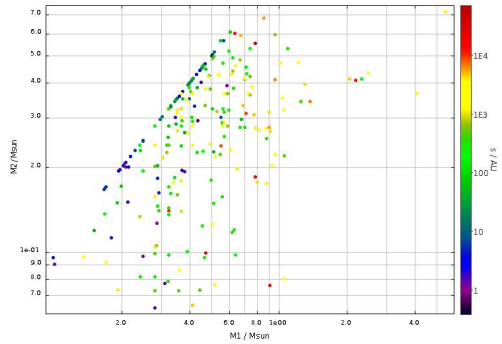
CARMENCITA, the *CARMENES Cool star Information and daTa Archive*, is the M-dwarf database from where we will choose our best target sample. As part of our guaranteed time observations, about 300 late-type M dwarfs will be monitored by CARMENES from Calar Alto during over 600 nights. CARMENCITA currently catalogues about 1900 carefully-selected M dwarfs northern of δ > −23 deg. For each star, we tabulate dozens of parameters (accurate astrometry, spectral typing, photometry in 20 bands from the ultraviolet to the mid-infrared, rotational and radial velocities, X-ray count rates and hardness ratios, close and wide multiplicity data and many more) compiled from the literature or measured by us with new data. The private on-line catalogue, including preparatory science observations (i.e., high-resolution imaging, low- and high-resolution spectroscopy), will be eventually public as a CARMENES legacy.

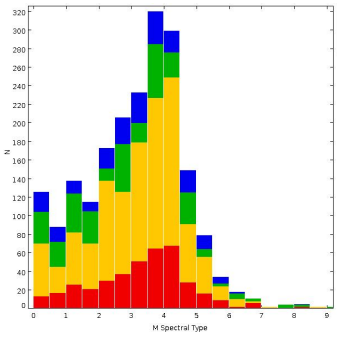


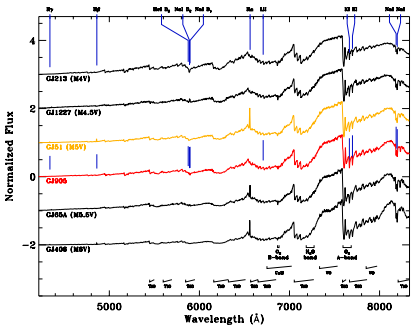


Clockwise, from top left. Capture of the password-protected CARMENCITA web portal; spatial location of our ~1900 stars colour-coded by *J* magnitude and spectral type; *J*-magnitude/spectral-type selection criterion; some low-resolution spectra obtained by us with CAFOS (poster 3); *Carmencita* cinnamon; distribution of stars as a function of SpT (red: brightest, yellow: intermediate, green: faintest; blue: known close binaries); mass-to-mass diagram of resolved binaries (red: widest, violet: closest). **Bottom**: the 131 columns/labels currently in our database.

SpT	Max. J [mag]
≥M6 V	11.5
M5 V	11.0
M4 V	10.5
M3 V	10.0
M2 V	9.5
M1 V	9.0
M0 V	8.5







Karmn | Comp | Flags | SS | Name | GJ | SpT | Ref01 | RA_J2000 | DE_J2000 | Ref02 | muRA_masa-1 | emuRA_masa-1 | muDE_masa-1 | emuDE_masa-1 | Ref03 | Vr_kms-1 | eVr_kms-1 | Ref04 | pi_mas | epi_mas | Ref05 | d_pc | ed_pc | Ref06 | U_kms-1 | eU_kms-1 | V_kms-1 | eV_kms-1 | W_kms-1 | eW_kms-1 | Ref07 | FUV_mag | eFUV_mag | NUV_mag | eNUV_mag | Ref08 | u_mag | eu_mag | Ref09 | BT_mag | eBT_mag | Ref10 | B_mag | eB_mag | Ref11 | g_mag | eg_mag | Ref12 | VT_mag | eVT_mag | Ref13 | V_mag | eV_mag | Ref14 | Ra_mag | Ref15 | r_mag | er_mag | Ref16 | i_mag | ei_mag | Ref17 | z_mag | ez_mag | Ref18 | IN_mag | Ref19 | J_mag | eJ_mag | H_mag | eH_mag | Ks_mag | eKs_mag | QFlag | Ref20 | W1_mag | eW1_mag | W2_mag | eW2_mag | W3_mag | eW3_mag | W4_mag | eW4_mag | Ref21 | WideCompanion | WideWDS | Widerho_arcsec | eWiderho_arcsec | Ref22 | WideCompanionSpT | WideCompanionJ_mag | WideCompanionFeH | Ref23 | CloseMultiplicity | CloseWDS | Closerho_arcsec | eCloserho_arcsec | Ref24 | pEWHalpha_A | Ref25 | 1RXS | CRT_s-1 | eCRT_s-1 | HR1 | eHR1 | HR2 | eHR2 | Ref26 | vsini_kms-1 | evsini_kms-1 | Ref27 | P_d | Ref28 | TiO5 | CaH2 | Ref29 | Flare | Ref30 | MV_mag | Ref31 | RV | Planet | Ref32 | LoRes_spectrum | HiRes_spectrum | LoRes_imaging | HiRes_imaging | Origin | Class | Notes

http://carmenes.caha.es/

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