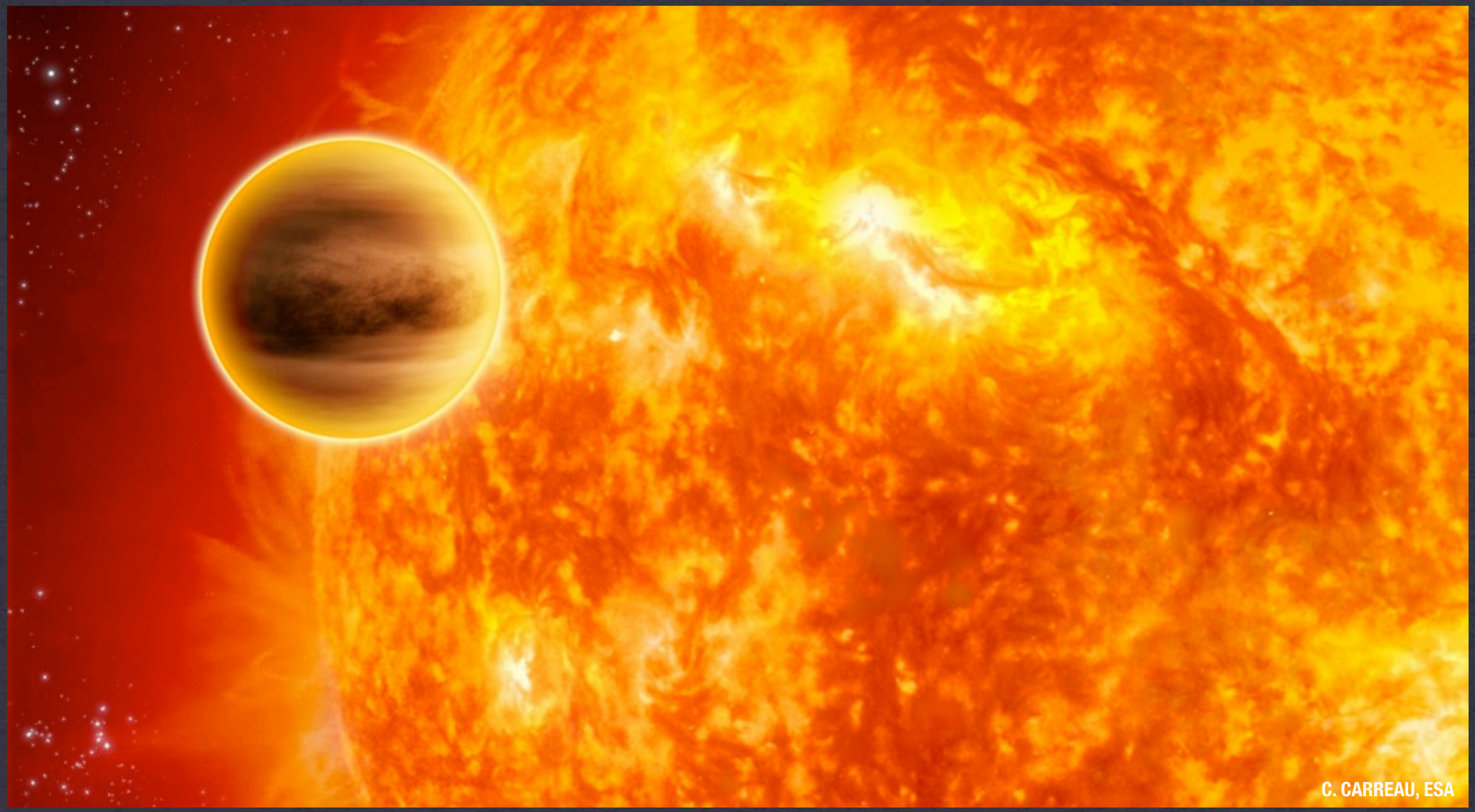


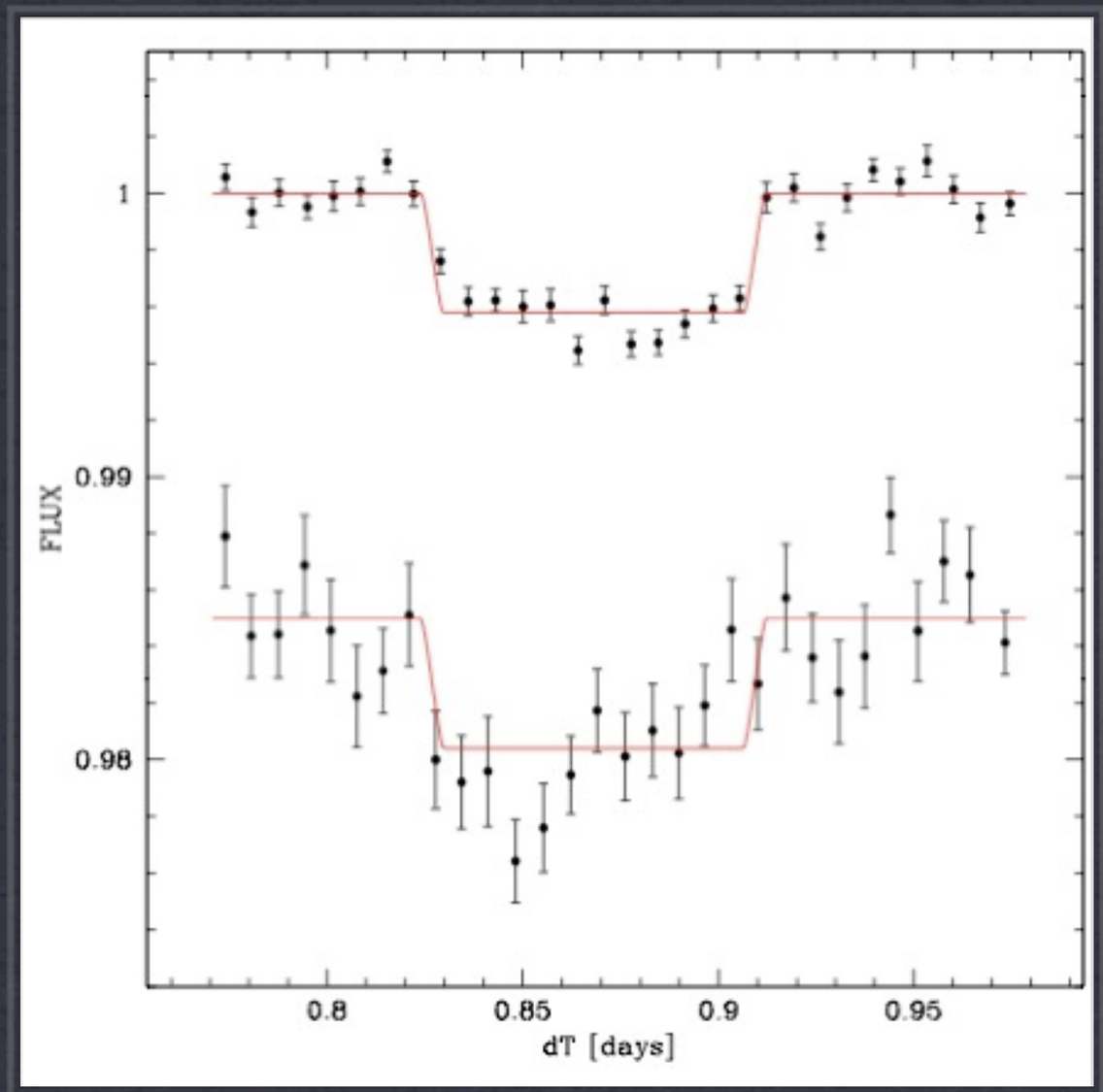
COROT-2B

UNDERSTANDING HOT-JUPITERS EVOLUTION

B.-O. DEMORY (GENEVA), M. GILLON, T. BARMAN & D. QUELOZ

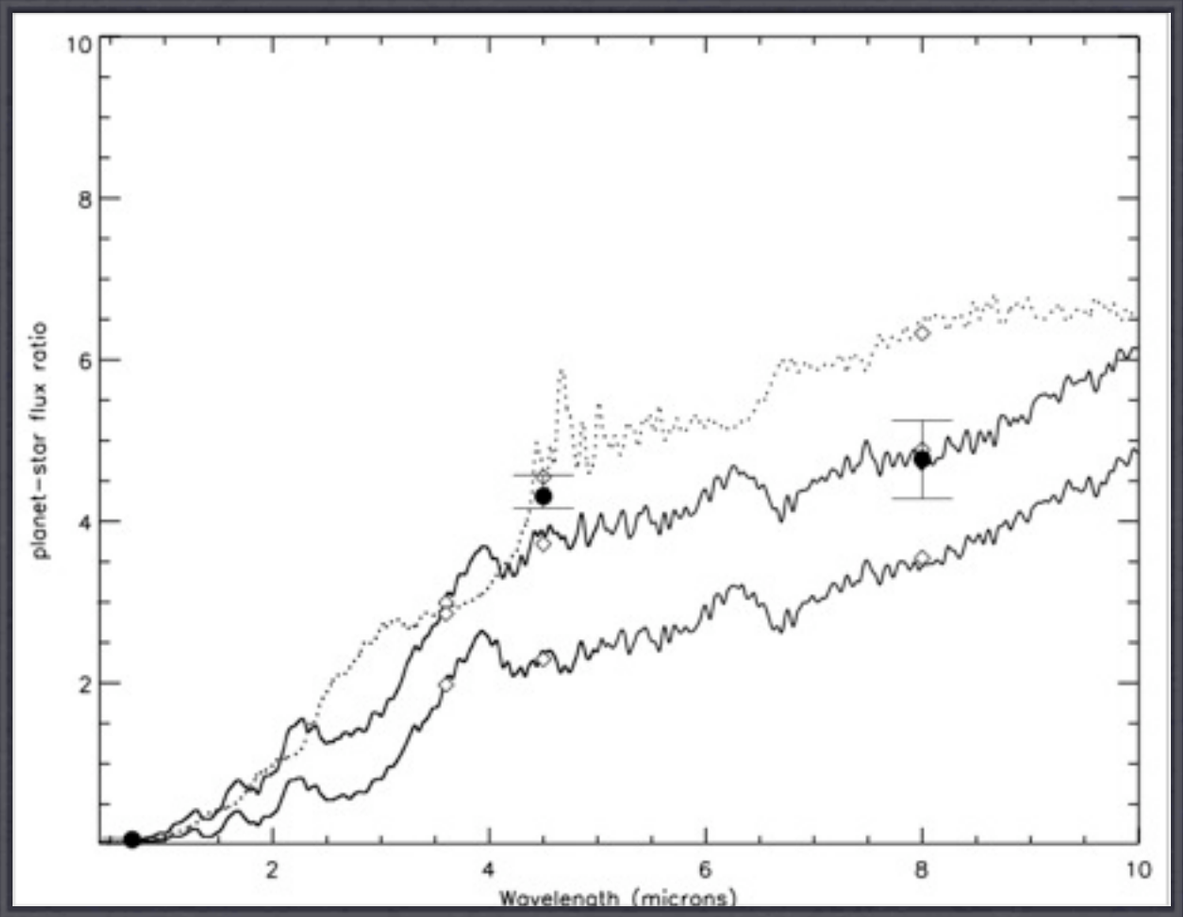
CoRoT-2b, the youngest known transiting planet

-Age : < 0.5 Gyr (Bouchy et al. 2008)
-Radius : 1.465 ± 0.029 R_{Jup} (A08)
-Mass : 3.31 ± 0.16 M_{Jup} (A08)
-Density : 1.31 ± 0.04 g cm-3
-Period : 1.74 days
-Large dayside thermal emission →

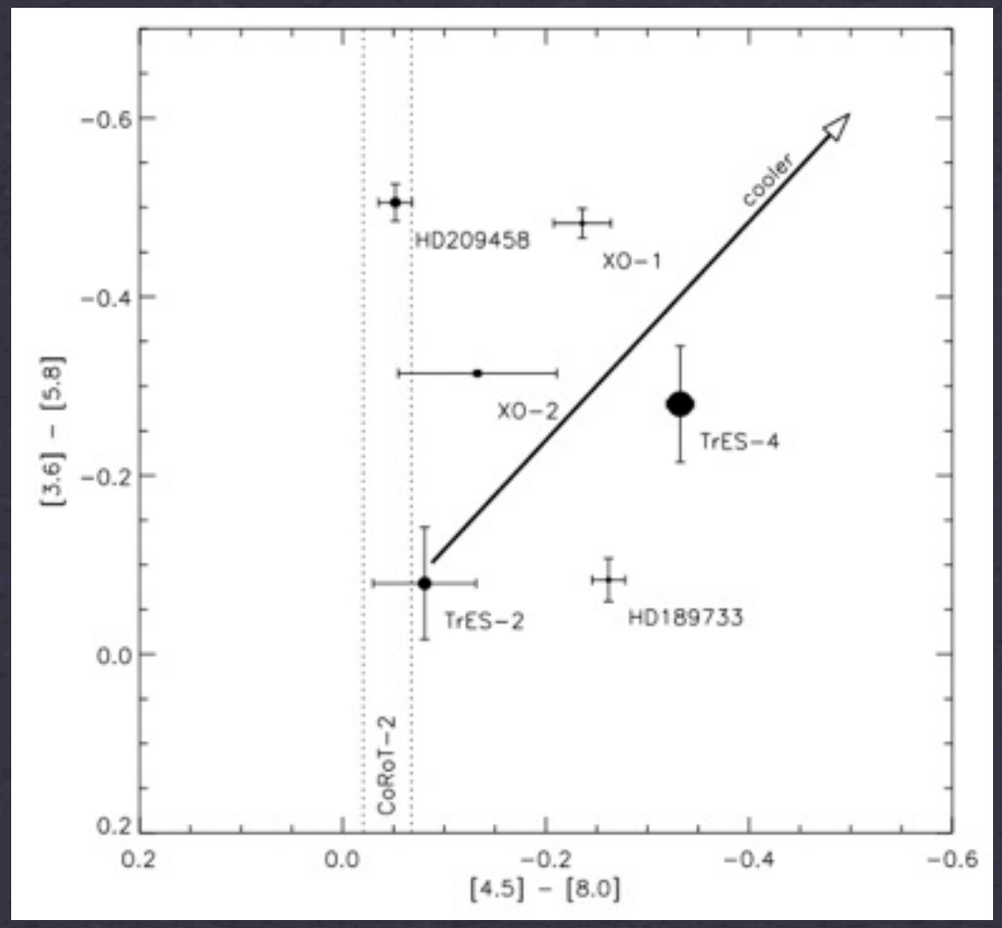


SPITZER IRAC 4.5 (TOP) AND 8 MICRONS (BOTTOM) OCCULTATION PHOTOMETRY
GILLON ET AL. IN PREP

Irradiation level as the only parameter for pM/pL dichotomy ?



SED MODELS - FULL DAY-NIGHT REDISTRIBUTION (BOTTOM SOLID), DAYSIDE ONLY (TOP SOLID), WITH TIO/VO INDUCED INVERSION (DOT)
GILLON ET AL. IN PREP



COLOUR-COLOUR DIAGRAM OF TRANSITING EXOPLANETS OBSERVED IN ALL 4 IRAC BANDS
GILLON ET AL. IN PREP