parable to those measured with the standard photometers.

Table 1: *Sky* background with IRAC/2.2*

Filter	Background	
	ADUs/sec/pix*	mag/arcsec^2
J	1.5	14.5
H	2.8	13.8
K	6.2	13.7
L	19000	2.6

*With the 0.5"/pix scale.

With the new pupil stop the camera can be used efficiently at L with the 0.8"/pix scale using DITs of 0.8–1.0 sec depending on the actual outside temperature. At present the limiting sensitivity is still determined mostly by the poor quality of the Philips array, but the lowering of the background should be considered a first step toward the upgrade of IRAC-1 with a better array which is expected to occur in April–May 1992.

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