

NIRC2 SNR and Efficiency Calculator

SNR = 5.0		Efficiency = 95.7%	
Total signal =	5906 DN	AO/Tel overhead =	105.0 sec
Aperture area =	95.2 pix	NIRC2 overhead =	57.8 sec
Total Noise =	1189.2 DN	Total Integration =	3600.0 sec
Background per frame =	403.2 DN	Total Elapsed Time =	3762.8 sec

Magnitude: Strehl:
 Time per exposure (tint): Coadds:
 N dithers: Repeats per dither:
 Camera Select: ☐ Wide ☒ Narrow
 Filter: ☐ J ☐ H ☐ K ☒ Kp ☐ Lp ☐ Ms
 N Reads : ☒ 2(CDS) ☐ 8 ☐ 16 ☐ 32 ☐ 64 ☐ 128 (MCDS)
 Array Window Size: ☒ 1024^2 ☐ 512^2 ☐ 256^2
 AO Mode: ☐ LGS ☒ NGS
 Laser Motion Control: ☐ Fixed to center of image ☒ Dither to Object

[Help with Using NIRC2 SNR Calculator](#)