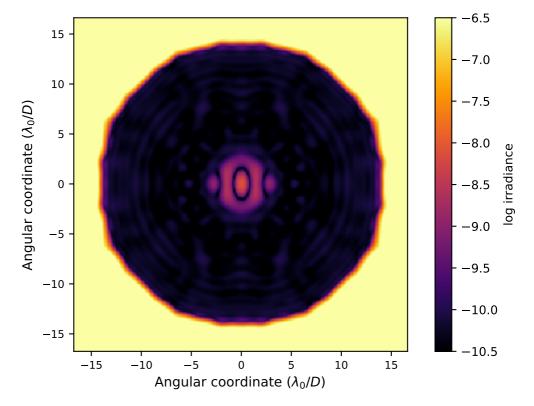
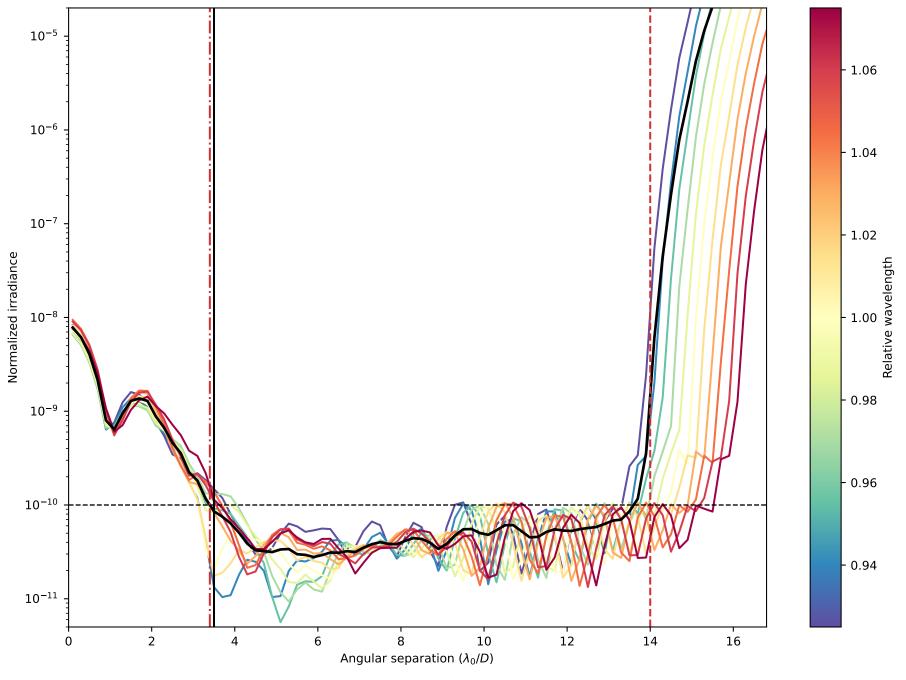
APLC Design Summary

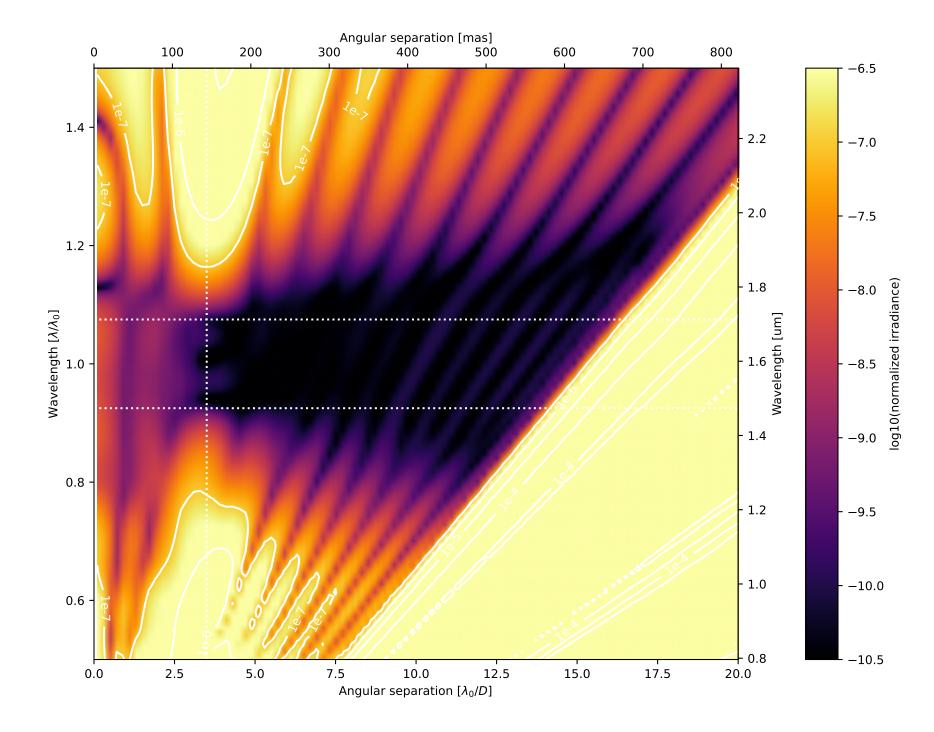
Instr	rument	USORT
nPu	p	512 x 512 pixels
Cord	onagraphic throughput (transmitted energy)	0.186
Core	e throughput (encircled energy)	0.1539
Lyot	stop inner diamater (% of inscribed circle)	0.0
Lyot	stop outer diameter (% of inscribed circle)	0.99
Ban	dpass	15.0%
# w	avelengths	5
FPM	radius (grayscale)	3.5 λ/D
nFPf	м	150 pixels
IWA	– OWA	3.4—14.0 \(\lambda/D\)
Cont	trast constraint	10-10
Lyot	Stop alignment tolerance	1 pixels
Inpu	rt Files :	
	Pupil file: USORT/TeIAp_USORT_offaxis_ovsamp16_N0512.fits	

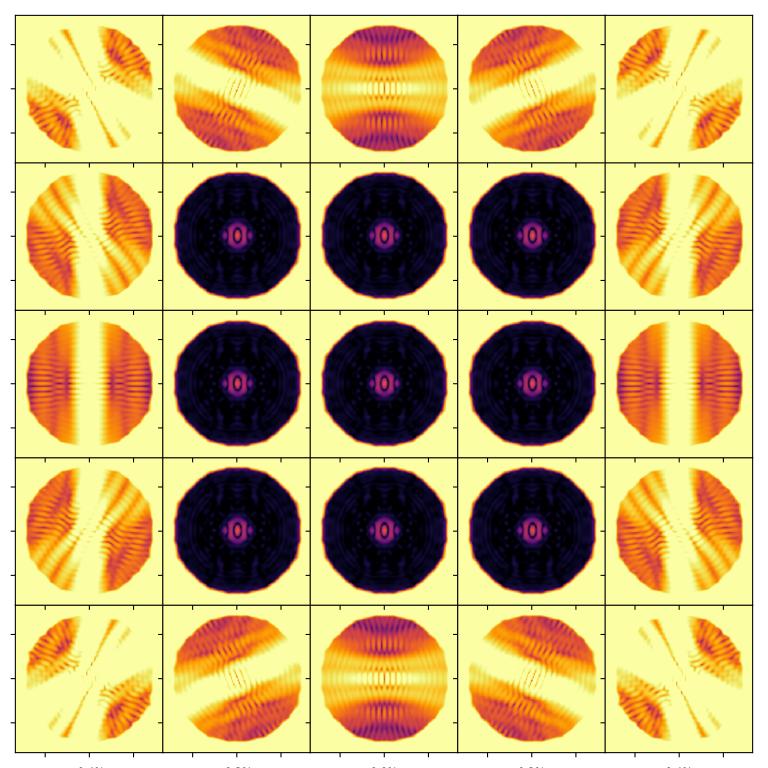


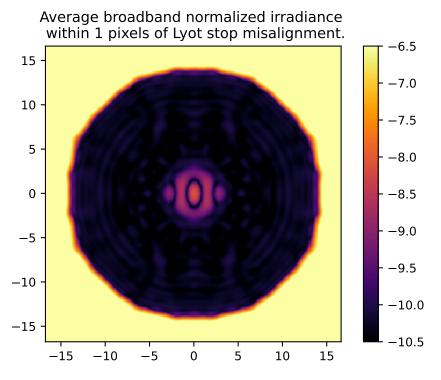
On – axis PSF in log irradiance, normalized to the peak irradiance value.



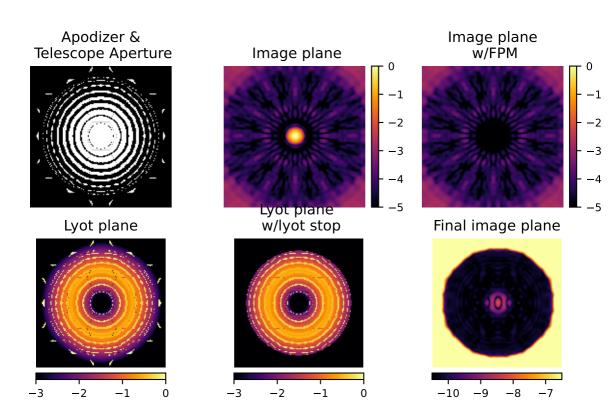
Radial intensity profile for the broadband APLC design at 11 simulated wavelengthscentered around λ_0/D and equally spatially sampled over the 15.0% bandpass. The black curve shows the average intensity across the 11 wavelength samples. The dashed red vertical lines delimitthe high-contrast dark zone (between 3.4 and 14.0 λ_0/D). The blue dotted line delimits the FPM radius, set to 3.5 λ_0/D .

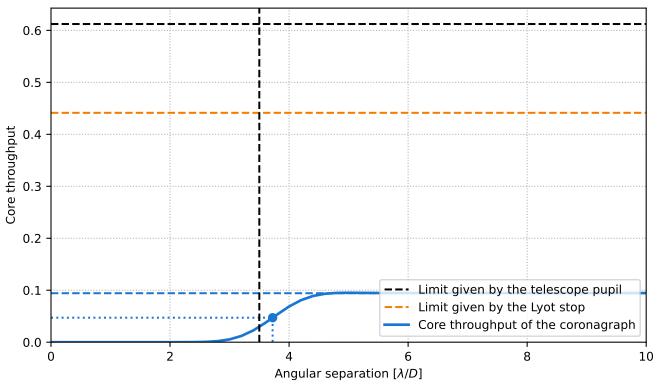






Analysis Summary



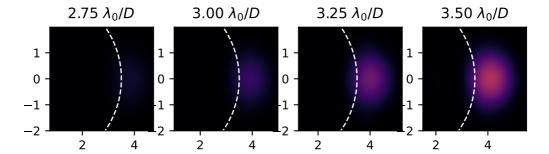


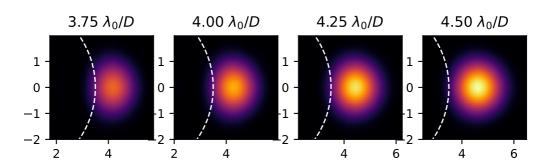
Pupil core throughput:
Lyot stop core throughput:
Maximum core throughput:
Maximum core throughput w.r.t. pupil core throughput:

Maximum core throughput w.r.t. Lyot stop core throughput:

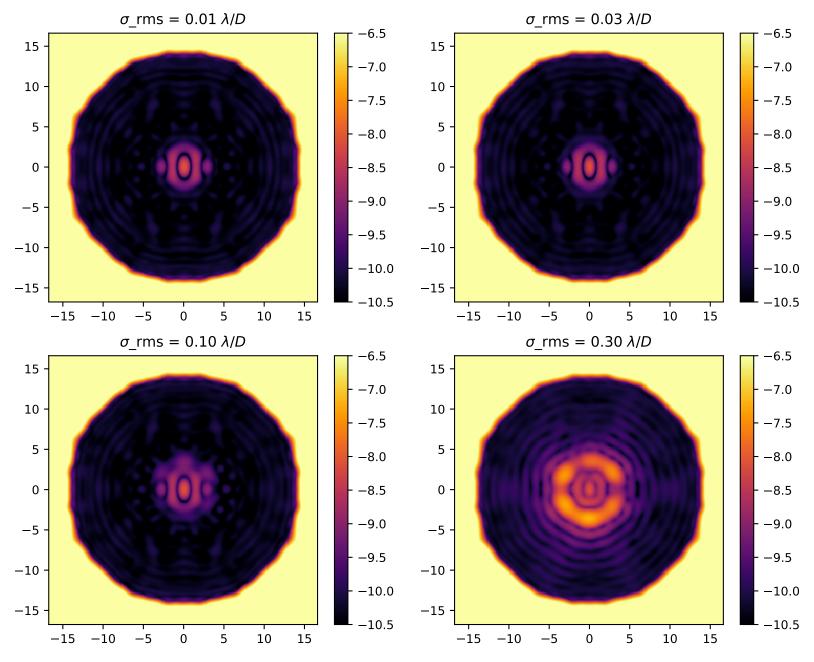
Inner working angle:

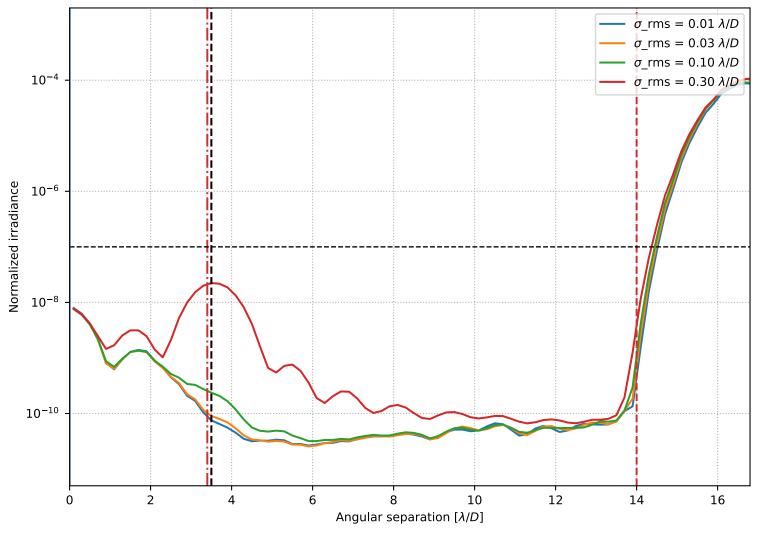
0.6122241018617949 0.4413632850260376 0.09423463441749948 0.1539217978039882 0.2135080955180498 $3.723414345458025 <math>\lambda_0/D$





Broadband normalized irradiance for four representative levels of residual pointing jitter.





Azimuthally averaged raw contrast for four representative levels of rms residual pointing jitter.