Abell 3667

Observation plan

name	RA	DEC	Exposure	Filter	MXS
ABELL 3667 CF IN (Pri-C)	20 12 57.50	-56 53 10.2	180 ks	Open filter	None

No filter is required, and we request full-frame Xtend data to achieve the best astrometric solution

Immediate objectives

[1] Reveal the merger geometry (sloshing or stripping) of the system, by measuring the bulk velocity and turbulence within the cold front.
[2] Measure gas velocity distributions and/or gradient, to constrain the gas dynamics in the cold front.
[3] Measure the metal abundance to infer from which radii in the pre-merger subcluster gas came.
[4] Measure the ICM turbulence inside the front to investigate the origin of radio emission during cluster mergers.