

Science target	Response time	Monitoring	Trigger	Coordinates	Observing mode and array	e-VLBI benefit
GRB high frequency follow-up(>5 GHz)	within a week	1-2 week every 3-4 days	Swift, GLAST, +radio ID	IRAM, Ryle, VLA, MERLIN	22 GHz, Ef1 (+GBT, Usuda64?), 512 Mbps, ~50 μ Jy/beam	significant
GRB low frequency follow-up(\leq 5 GHz)	about 3-4 weeks?	order of a year, every 2-4 months	Swift, GLAST, +radio ID	WSRT, VLA, MERLIN	1.6-5 GHz, Ef+Wb+LT+Chinese, 512 Mbps, ~10 μ Jy/beam	significant
GLAST gamma flares from blazars	months	years, half yearly	GLAST	known	0.6-22 GHz, 256 Mbps, likely not sensitivity critical	no
GLAST gamma flares from LLAGN	months	years, half yearly	GLAST	VLA, MERLIN	1.6-5 GHz, Ef+Wb+LT+Chinese, 512 Mbps, ~10 μ Jy/beam	little; search for calibs?
SN Type Ib/c "off-axis GRBs?"	1-2 weeks	months, monthly	optical, +radio ID	optical or radio ("built in" WSRT)	1.6/5 GHz, 512 Mbps, Ef+Wb+LT+Chinese, 20 μ Jy/beam	some
Early evolution of SNe (any type)	days	2-3 weeks, per 3-4 days?	optical, +radio ID	optical or radio ("built in" WSRT)	5/22 GHz, Ef1, 512 Mbps, 20/100 μ Jy/beam	significant
Known transients flaring (uQSO, SGR)	within a day	~1 week, per 1-3 days	RATAN, Ryle, ...	known	5 GHz (+S/X?), 256 Mbps, 50 μ Jy/beam	significant
Known transients, special trigger	within a day	~1 week, per 1-3 days	e-VLBI, "built in" WSRT	known	1.6/5GHz, Ef+Wb+LT(+Ar), 512 Mbps, 20 μ Jy/beam, polcal!	only Wb+e-EVN can do this
Unknown Galactic transients flaring	within a day	~1 week (pending on initial radio detection), per 1-3 days	RXTE, Swift, INTEGRAL	Swift, 2-3'! "built in" WSRT	1.6/5GHz, Ef+Wb+LT, 512 Mbps, 20 μ Jy/beam	only Wb+e-EVN can do this
Extragalactic transients flaring (ULXs)	within a day	~1 week (pending on initial radio detection), per 1-3 days	RXTE, Swift	Swift, 2-3'! "built in" WSRT	5GHz, Ef+Wb+LT (+Ar...), 512 Mbps, 20 μ Jy/beam	only Wb+e-EVN can do this
Other Galactic variable stellar sources	hours?	single epoch, full-track integration	e-VLBI, "built in" WSRT	known	5GHz, Ef+Wb+Chinese, 256-512 Mbps, 20 uJy/beam, polcal!	only Wb+e-EVN can do this
LOFAR transients	hours?	?	LOFAR "built in" WSRT	LOFAR,	?	only Wb+e-EVN can do this
XRB low/hard state jet proper motion	—	days	e-VLBI	known	Ar+Ef+Wb+LT!, 1.6/5 GHz 512 Mbps, < 10 μ Jy/beam, polcal	only Ar+e-EVN can do this