

Effect	Source	Control/removal
Effects independent of sky signal (T and P)		
White noise correlation	Phase switch imbalance	Diode weighting
$1/f$ noise	RF amplifiers	Pseudo-correlation and destriping
Bias fluctuations	RF amplifiers, back-end electronics	Pseudo-correlation and destriping
Thermal fluctuations	4-K, 20-K and 300-K thermal stages	Calibration, destriping
1-Hz spikes	Back-end electronics	Template fitting and removal
Effects dependent on the sky signal (T and P)		
Main beam ellipticity	Main beams	Accounted for in window function
Near sidelobe pickup	Optical response at angles $< 5^\circ$ from the main beam	Masking of Galaxy and point sources
Far sidelobe pickup	Main and sub-reflector spillover	Model sidelobes removed from timelines
Analogue-to-digital converter nonlinearity	Back-end analogue-to-digital converter	Template fitting and removal
Imperfect photometric calibration	Sidelobe pickup, radiometer noise temperature changes and other non-idealities	Calibration using the 4-K reference load voltage output
Pointing	Uncertainties in pointing reconstruction, thermal changes affecting focal plane geometry	Negligible impact on anisotropy measurements
Effects specifically impacting polarization		
Bandpass asymmetries	Differential orthomode transducer and receiver bandpass response	Spurious polarization removal
Polarization angle uncertainty	Uncertainty in the polarization angle in-flight measurement	Negligible impact
Orthomode transducer cross-polarization	Imperfect polarization separation	Negligible impact