ACIS CALIBRATION

Test	**AO-1**	**AO-2**	**AO-3**
Plate Focus	Aug. '99, Jan. '00		
Boresight	$\surd$		
Optical Axis	$\surd$		
PSF	$\surd$		
Filter	Vega (S3+I3)	Vega (S3+I3) Betelgeuse (S3+I3)	Vega (S3+I3) Betelgeuse (S3,I0-3)
Low Energy Response	E0102 (I3+S3)	Raster scan (22) of E0102 at T=-110 and -120 Set of 5 LETG/ACIS-S obs. of PKS2155 at T=-110 and -120	Raster scan (15) of E0102 at T=-120 every 6 mos. Set of 9 LETG/ACIS-I obs. of PKS2155 at T=-120
Broad Band QE	G21.5, Cas A, Coma (all 10 chips)	Cas A (S3+I3) every 6 mos. Raster scan (15) of G21.5 at T=-110 and -120	Cas A (S3+I3) every 6 mos. G21.5 (S3+I3) at T=-120 every 6 mos.

HRC CALIBRATION

Test	**AO-1**	**AO-2**	**AO-3**
Plate Focus	Plate + Shutter		
Boresight	√	√	
Optical Axis	√		
Timing	√	√	
PSF	√		
Degap	Coma	Coma	Coma
Filter	Vega (I+S)	Vega (I+S)	Vega (I+S) Betelgeuse (I+S)
QE	G21.5 (all 4 plates) Cas A (all 4 plates)	G21.5 (I+S) Cas A (I) every 6 mos. Set of 3 LETG/HRC-I obs. of HZ43 every 6 mos.	G21.5 (I+S) Cas A (I) every 6 mos. Set of 2 LETG/HRC-I obs. of HZ43 and 1 LETG/HRC-I obs. of PKS2155 every 6 mos.
Gain		Raster Scan of Arlac on I (21) and S (18)	Raster Scan of Arlac on I (21) once a year and on S (18) every 6 mos.

GRATINGS CALIBRATION

Test	AO-1	AO-2	AO-3
Plate Focus	$\surd$		
Dispersion Relation LSF	**HETG/ACIS-S**		
	Capella	Capella	Capella
	HR1099		
	LETG/HRC-S		
	Capella	Capella	Capella
	Procyon		
Continuum Sources	**HETG/ACIS-S**		
	Cyg X-2 (TE+CC)		
	Crab (TE+CC)		
	Mkn 421		
	3C273	3C273	3C273
	PKS2155	PKS2155	PKS2155
	LETG/HRC-S		
	Sirus B		
	Mkn421		
	HZ43	HZ43	HZ43
	3C273	3C273	3C273
		PKS2155	PKS2155
	LETG/ACIS-S		
	Capella		
	Cyg X-2 in CC		
	3C273	3C273	3C273
		PKS2155	PKS2155

E0102 ACIS Observations in AO−3