

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 14642 - L2 Version 2
Chandra X-Ray Center

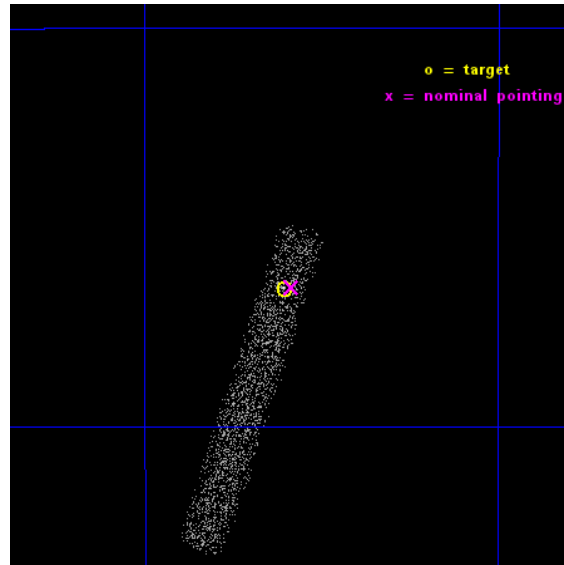
L2 Processing Date : Nov 30 2014

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1 Front

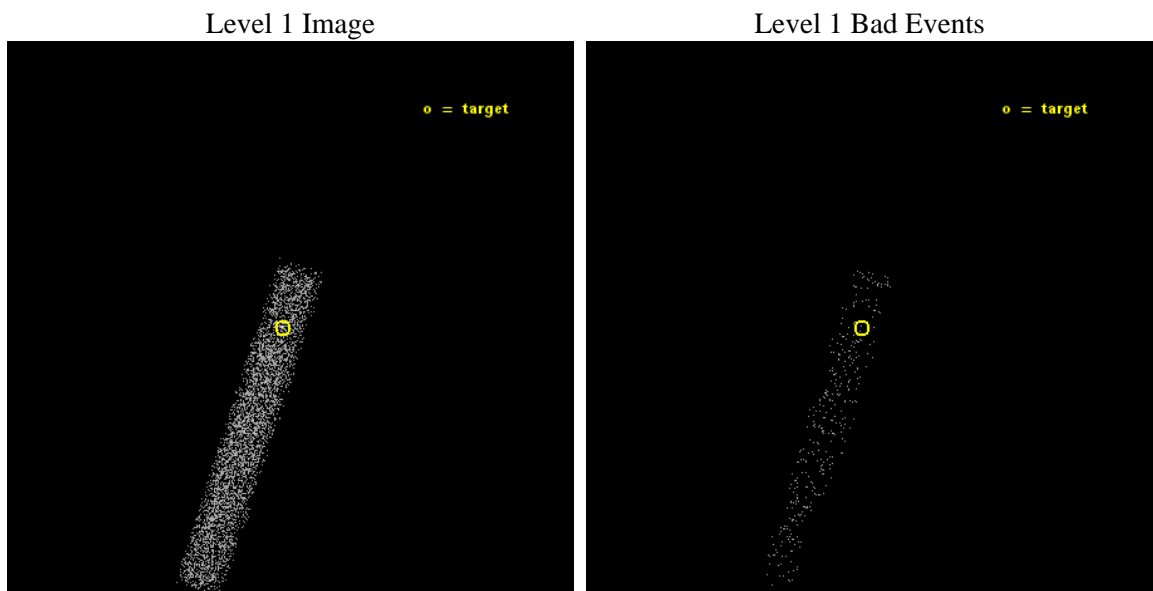
seq_num	401475	Sequence number
obs_id	14642	Observation id
title	A snap-shot survey of Galactic neutron-star Be/X-ray transients in quiescence	Proposal title
observer	Dr. Rudy Wijnands	Principal investigator
object	Swift J1626.6-5156	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	246.650833	Observer's specified target RA [deg]
dec_targ	-51.942639	Observer's specified target Dec [deg]
ra_nom	246.64620056571	Nominal RA [deg]
dec_nom	-51.941887020947	Nominal Dec [deg]
roll_nom	108.44874722958	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5069.5996978283	Sum of GTIs [s]
livetime	4597.8593305172	Livetime [s]
ontime7	5069.5996978283	Sum of GTIs [s]
l2events	2485	Number of level 2 events



2 OBI

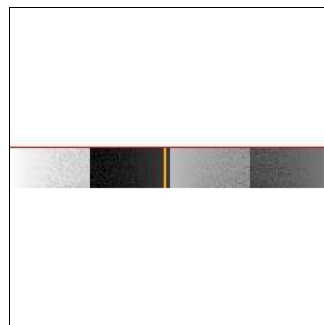
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	5069.5996978283	Sum of GTIs [s]
caldsver	4.6.4	 	ontime7	5069.5996978283	Sum of GTIs [s]
date	2014-12-01T01:56:21	Date and time of file creation	l1events	5108	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

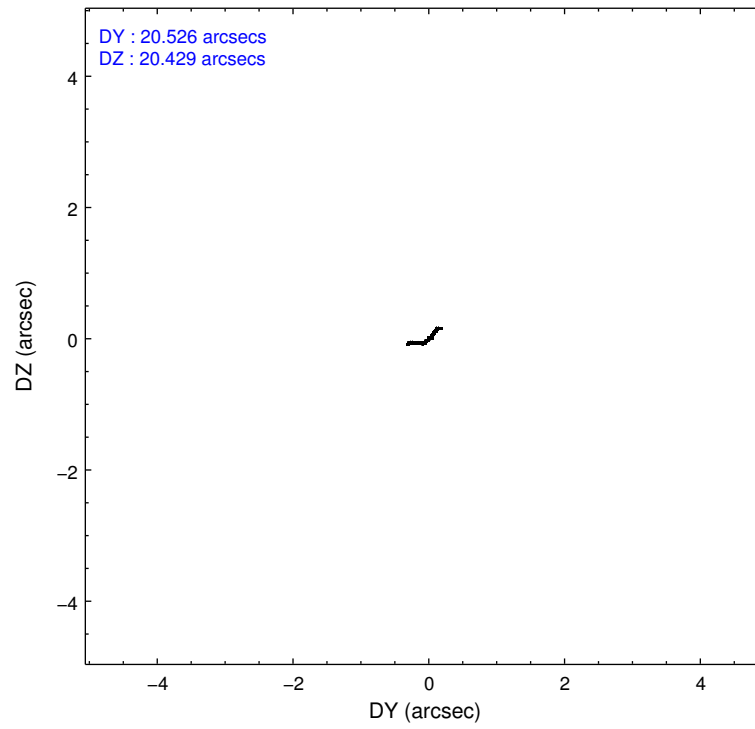
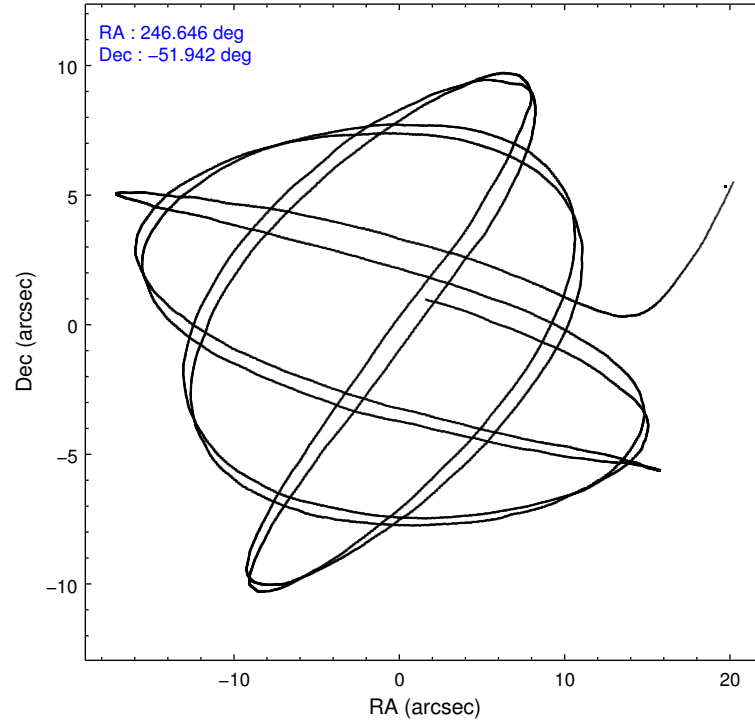
	ccd 7
level 1 events	5108
rejected events	2527
rejected %	49%

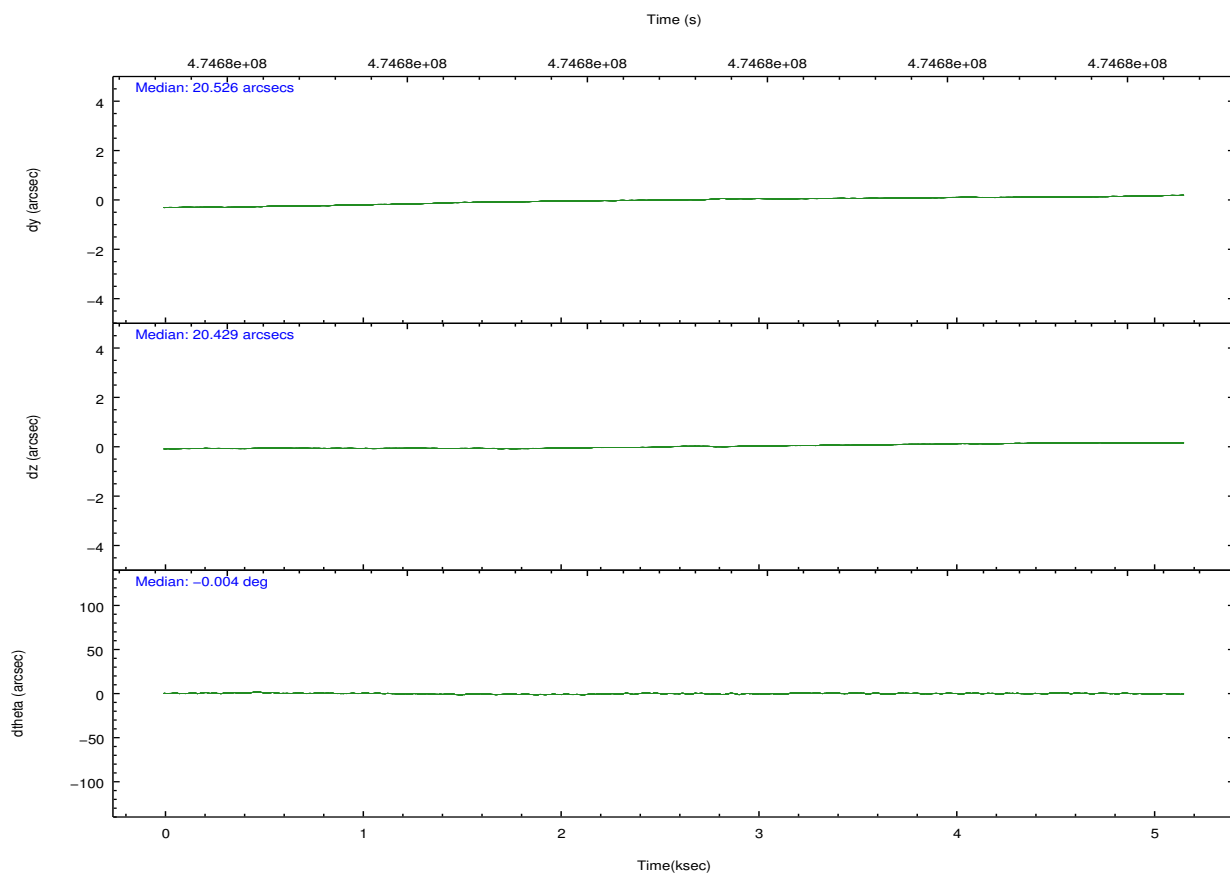
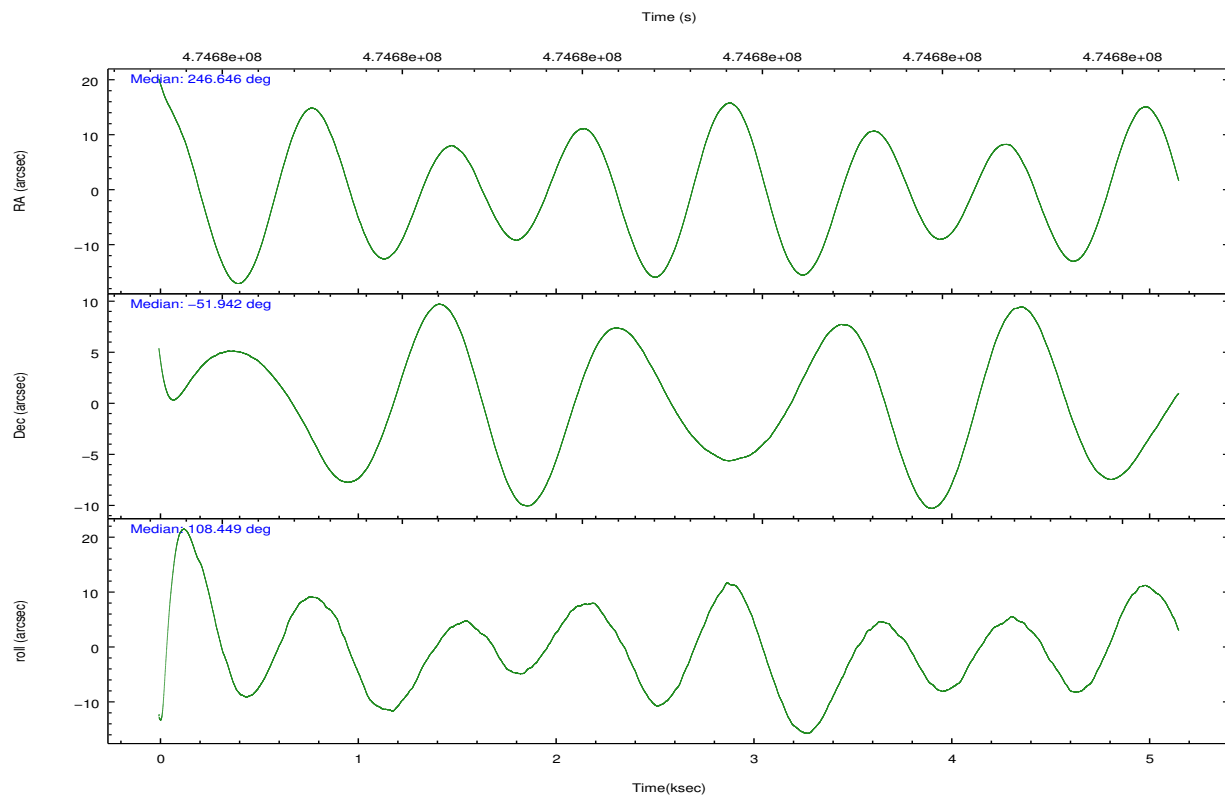
	ccd 7
grade 0 events	276
	5%
grade 1 events	7
	0%
grade 2 events	520
	10%
grade 3 events	335
	6%
grade 4 events	338
	6%
grade 5 events	510
	9%
grade 6 events	1114
	21%
grade 7 events	2008
	39%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	246.679678	246.6462005657069	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-51.959755	-51.94188702094652	Subarray start row	449	449
[deg] Pointing Roll	108.318617	108.4487472295792	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	474680052.184000	474679069.07347			
Observation start date	2013-01-15T23:33:05	2013-01-15T23:17:49			
[s] Observation end time (MET)	474685052.184000	474686038.04885			
Observation end date	2013-01-16T00:56:25	2013-01-16T01:13:58			
Read mode	TIMED	TIMED			

2.3 Aspect



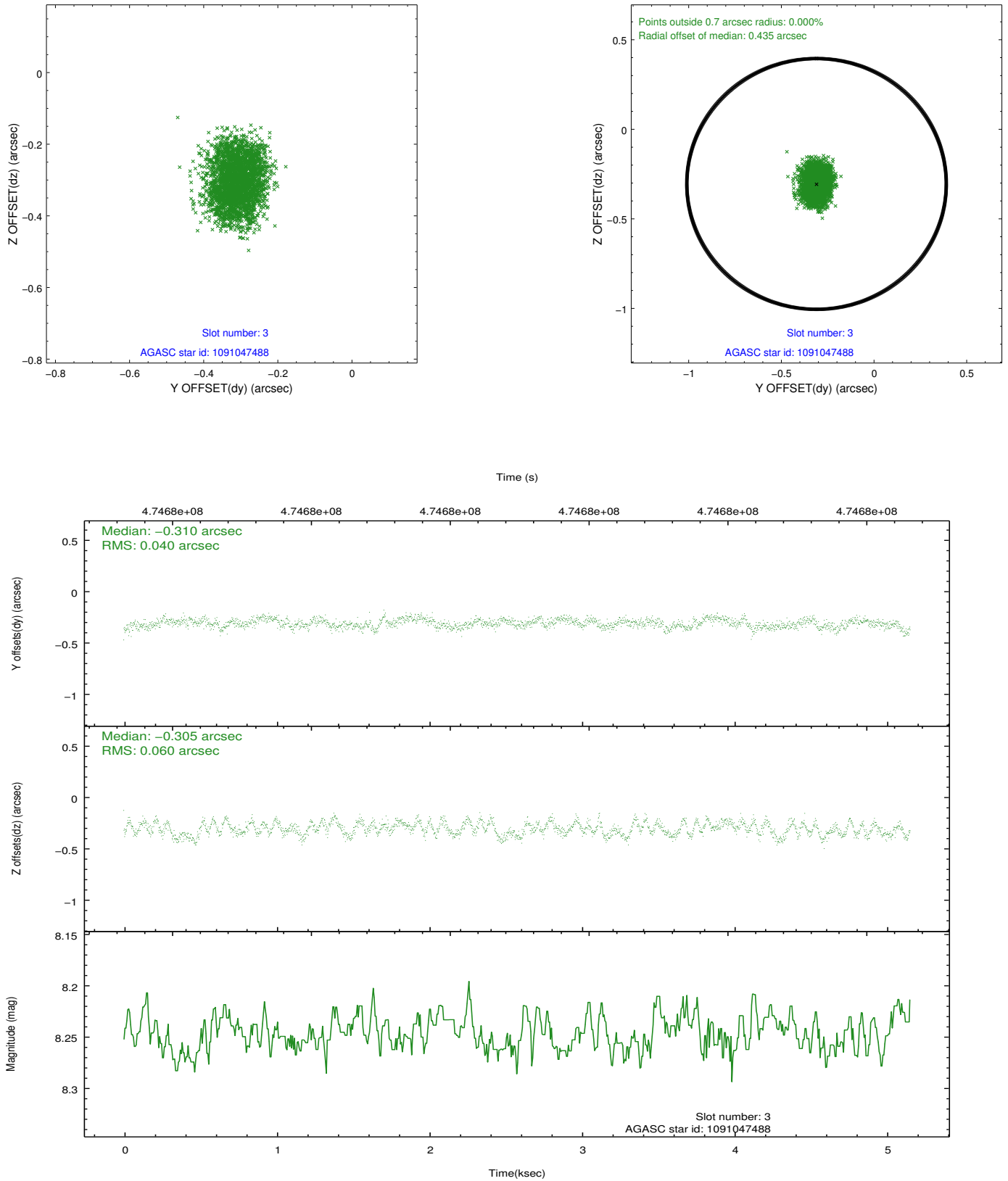


Slot Statistics

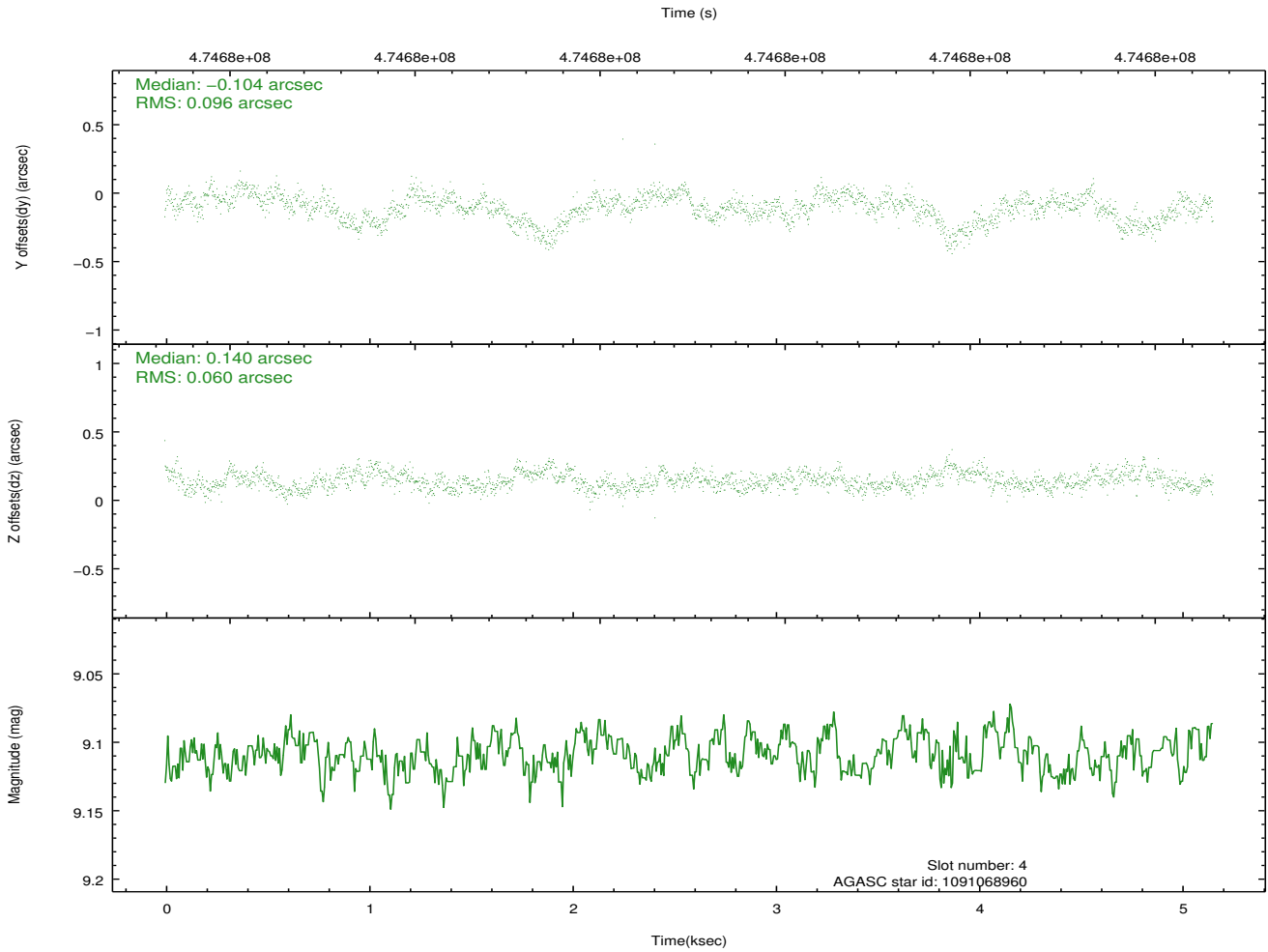
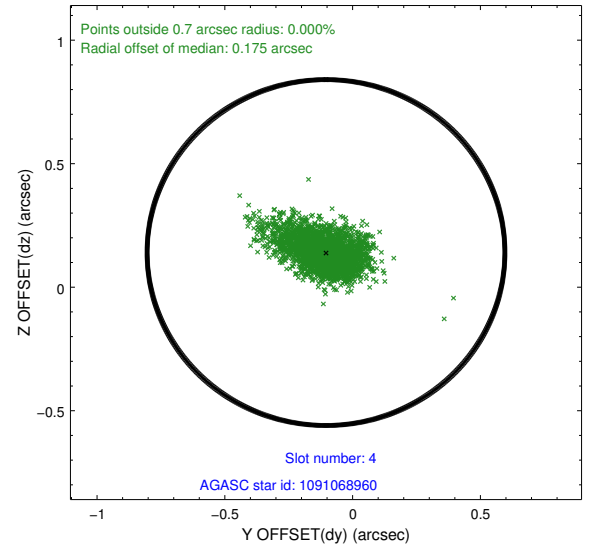
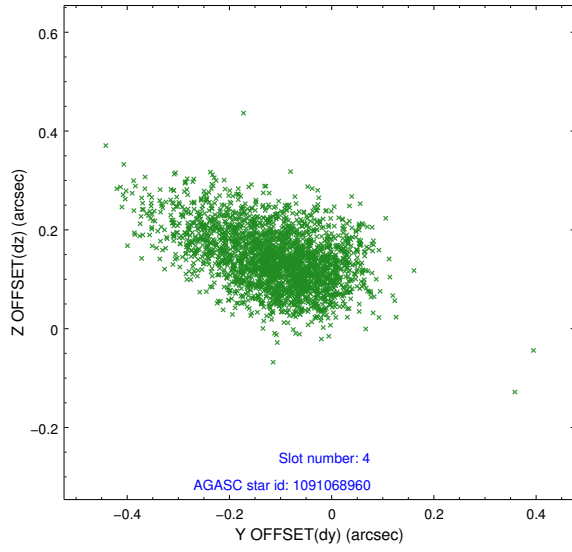
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.93	1258	-0.117	0.002	0.008	0.015	0.000000	0.000000	-773.74	-1741.91
1	FID		ACIS-S-4	7.01	1258	0.201	0.056	0.010	0.017	0.000000	0.000000	2139.32	165.38
2	FID		ACIS-S-5	7.04	1258	-0.114	-0.050	0.009	0.015	0.000000	0.000000	-1825.07	160.31
3	GUIDE	used	1091047488	8.25	2513	-0.310	-0.305	0.078	0.122	245.852833	-51.997400	437.43	1785.84
4	GUIDE	used	1091068960	9.11	2511	-0.104	0.140	0.115	0.205	246.521109	-51.339901	2230.43	-361.39
5	GUIDE	used	1091077632	8.25	2515	-0.164	-0.283	0.083	0.144	246.332364	-51.536413	1690.46	259.95
6	GUIDE	used	1092748000	7.47	2516	0.235	0.126	0.074	0.113	247.565646	-52.440842	-2265.35	-1296.96
7	GUIDE	used	1091049848	7.56	2514	0.353	0.319	0.070	0.106	247.441125	-52.404767	-2055.12	-1081.06

2.4 Star Slots

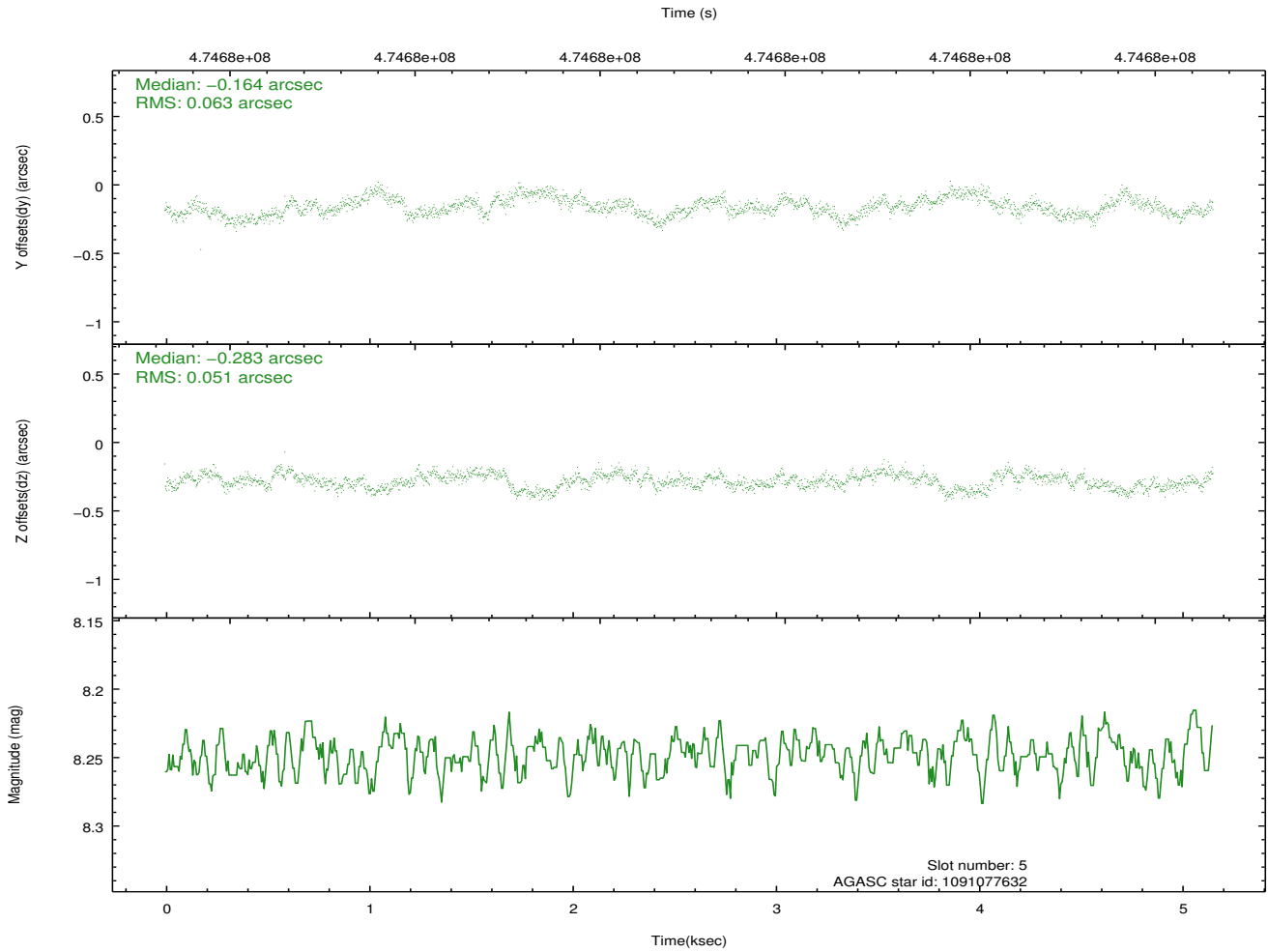
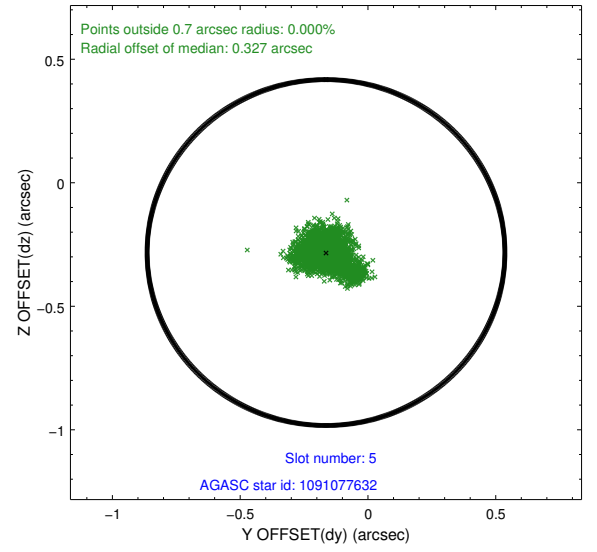
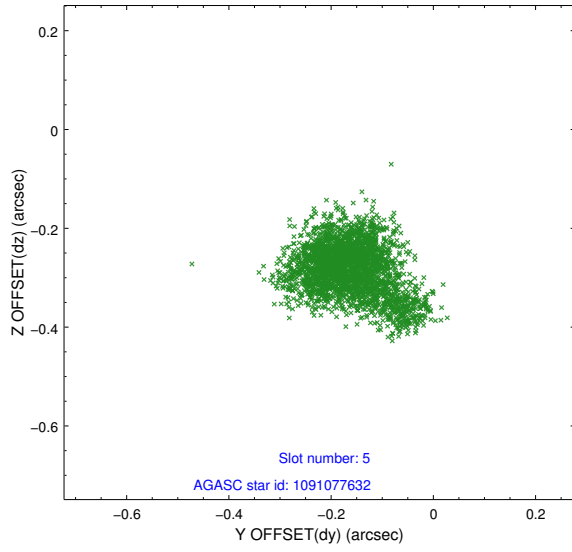
2.4.1 Slot 3



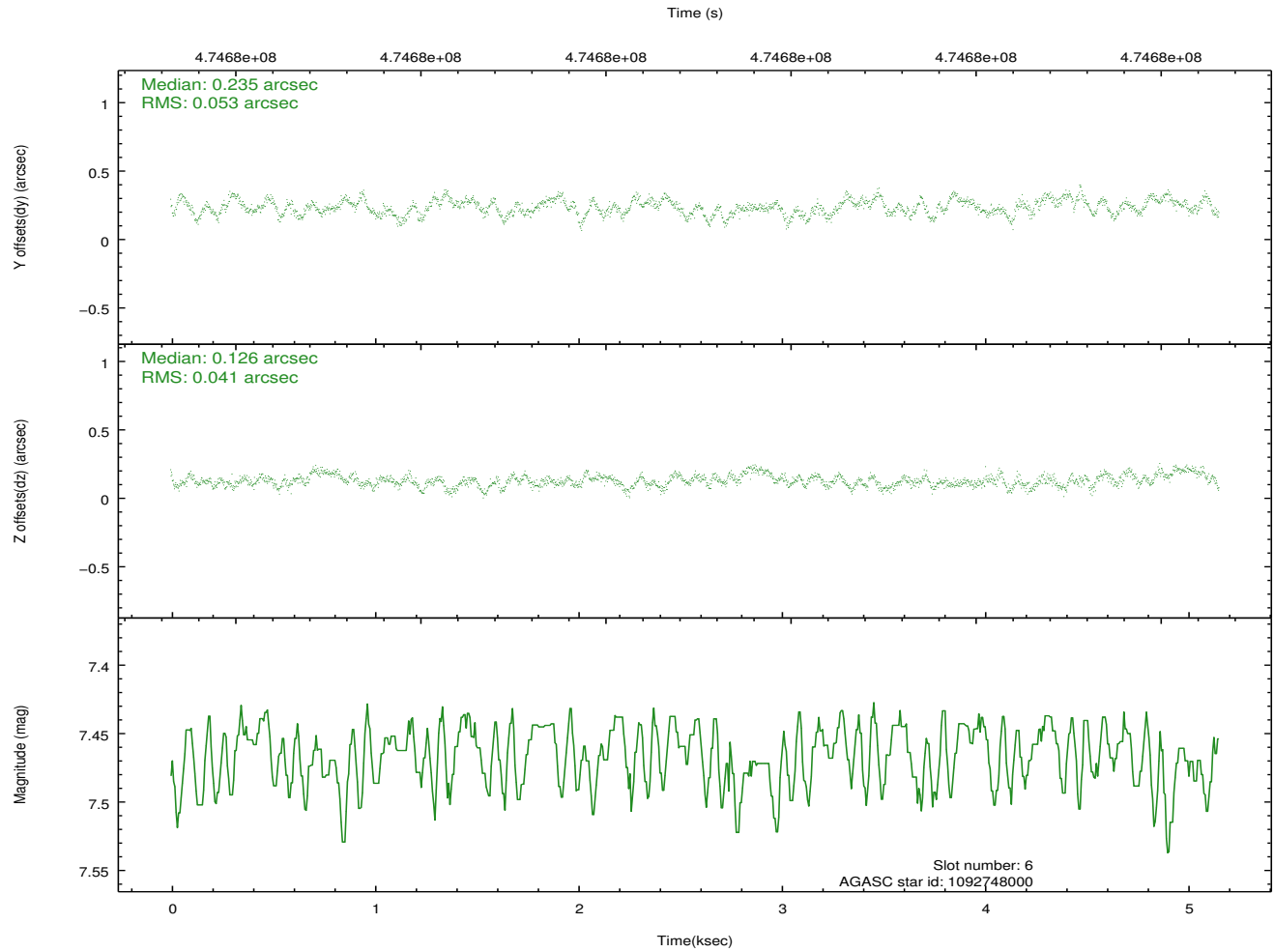
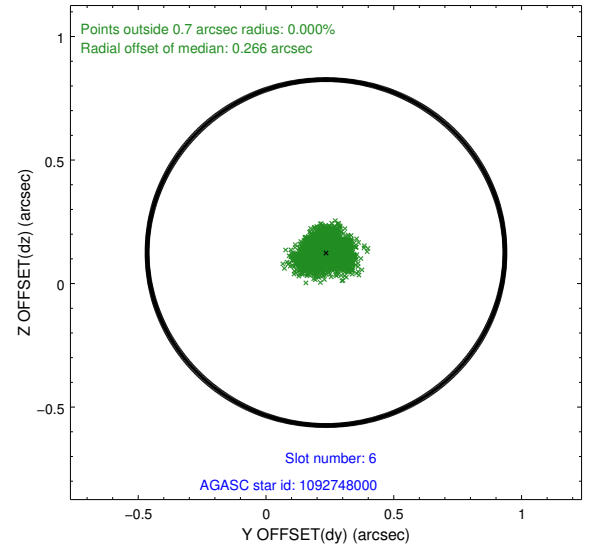
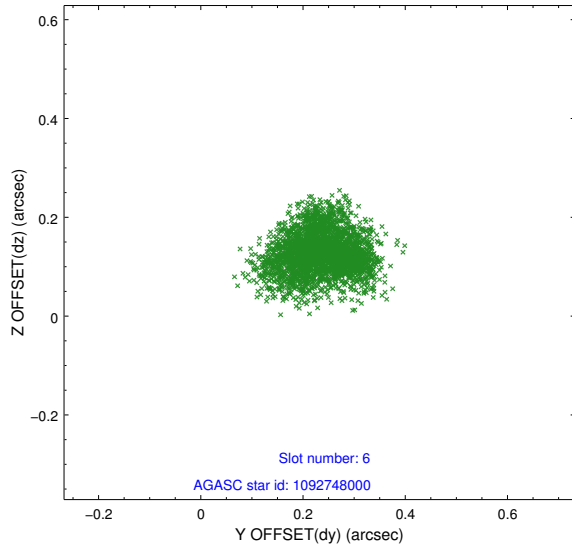
2.4.2 Slot 4



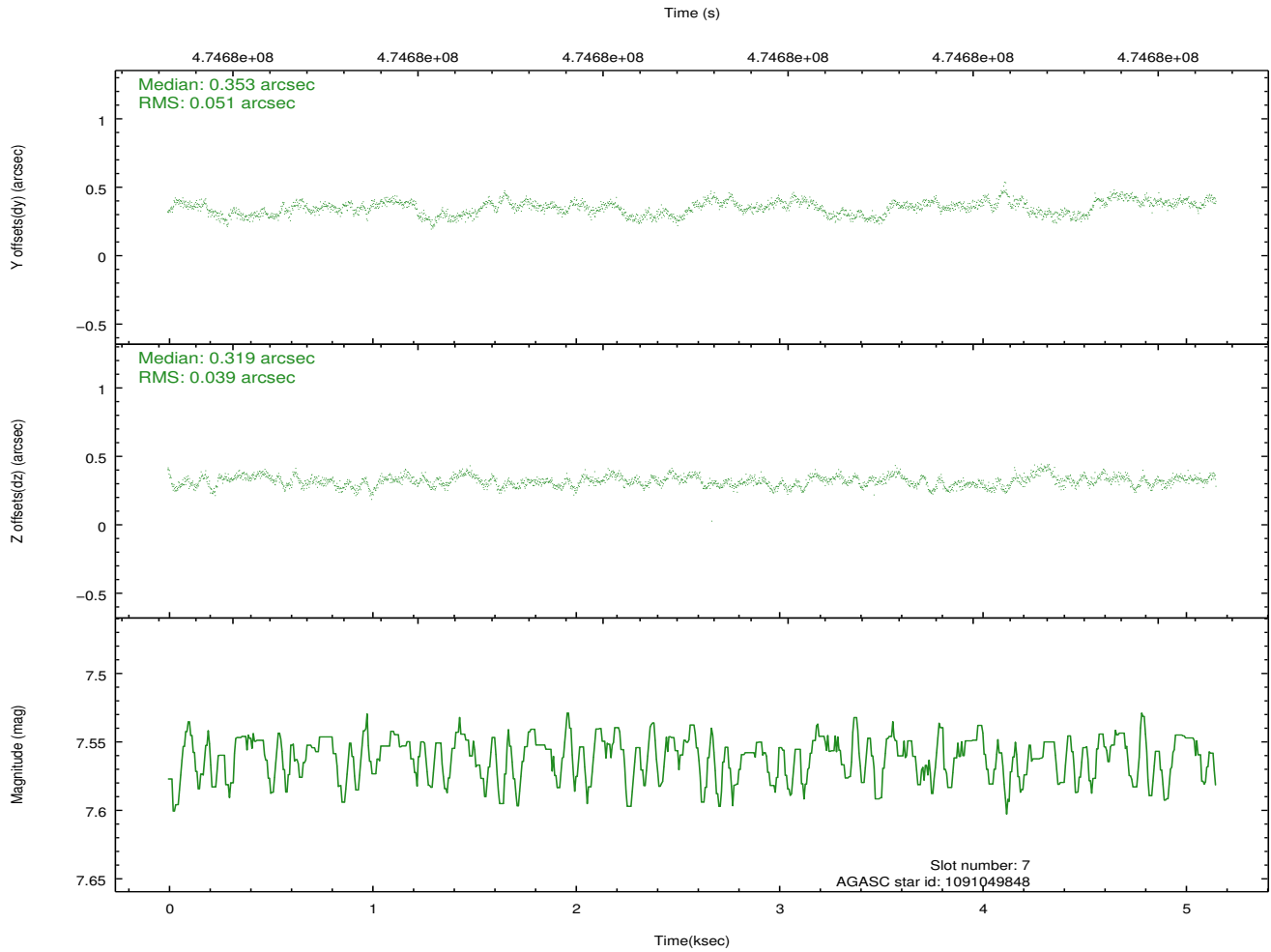
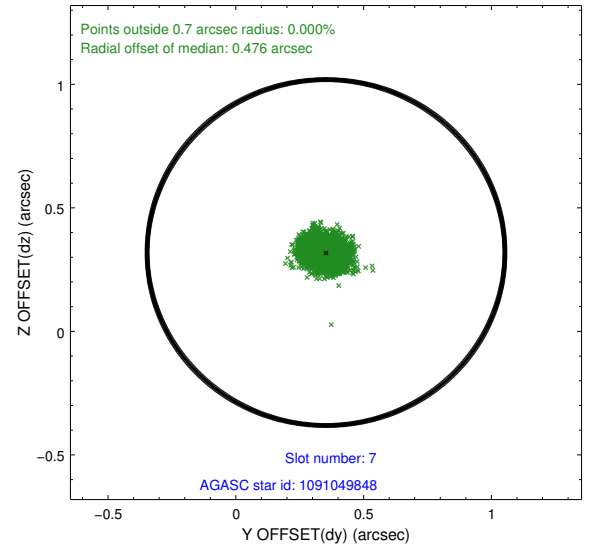
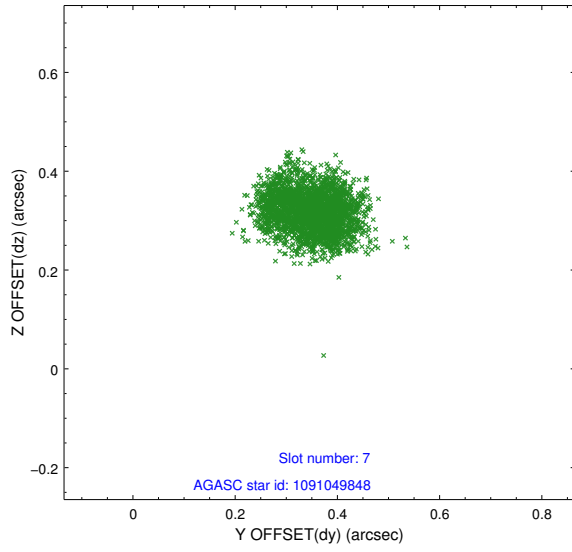
2.4.3 Slot 5



2.4.4 Slot 6

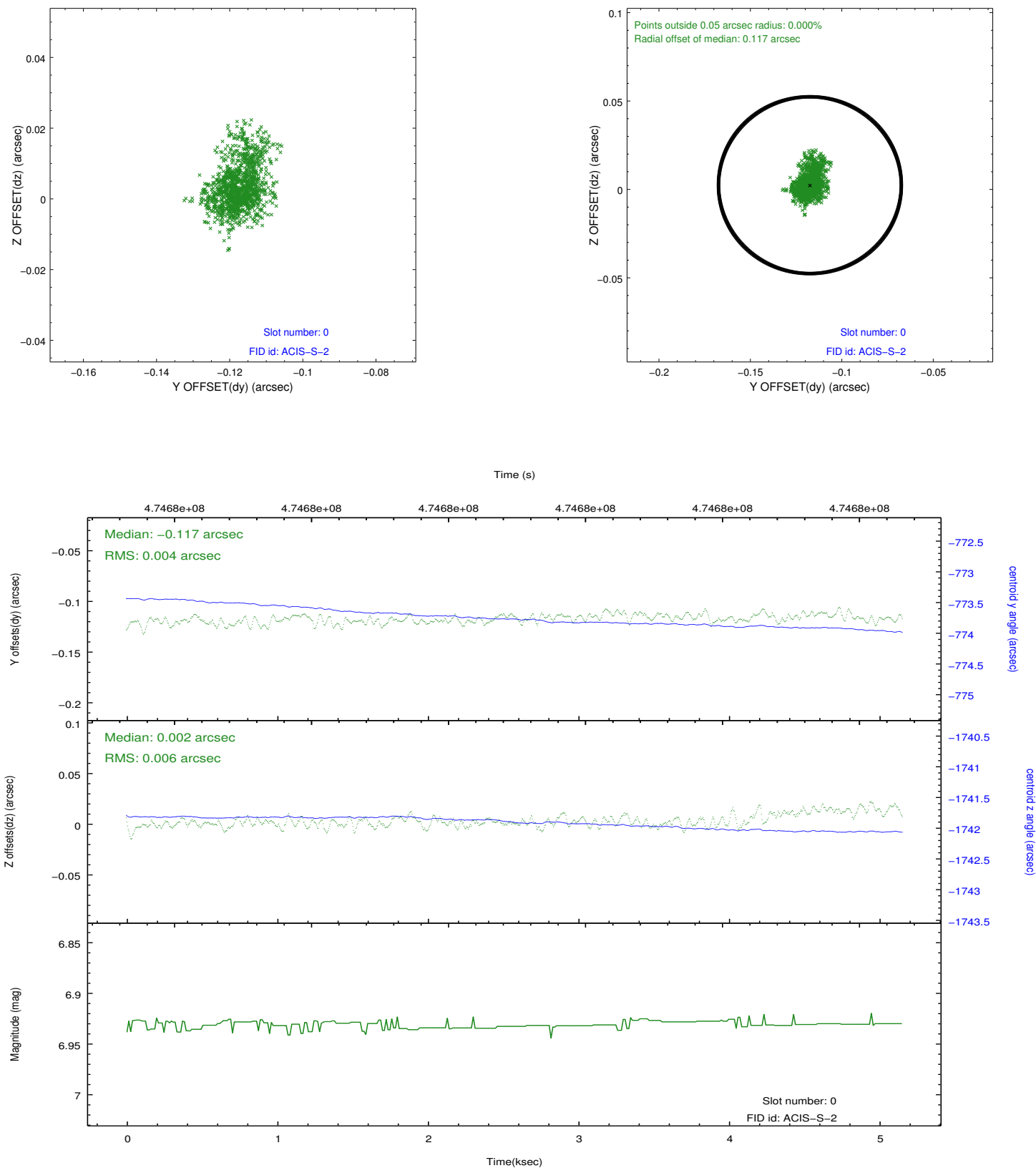


2.4.5 Slot 7

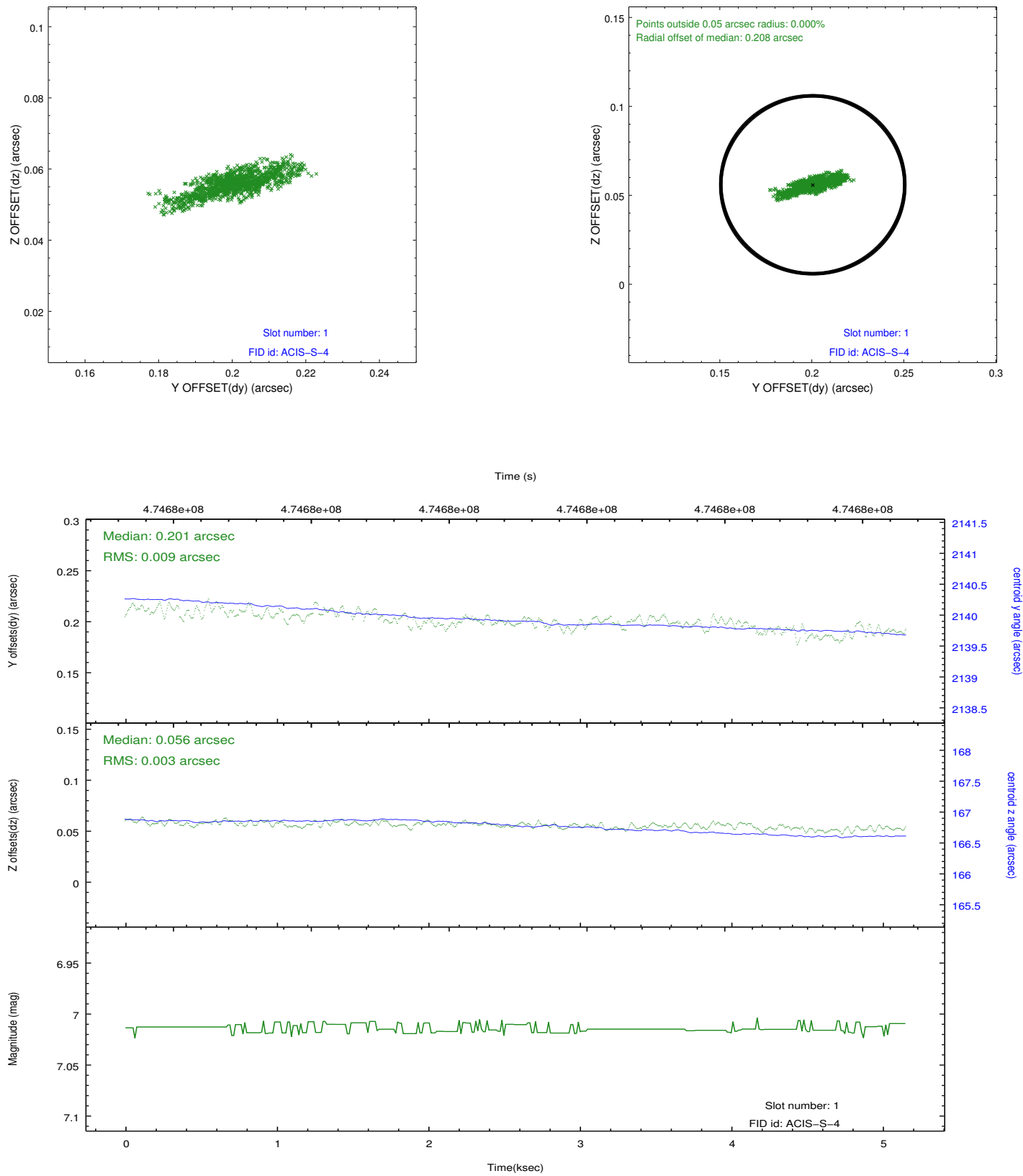


2.5 FID Slots

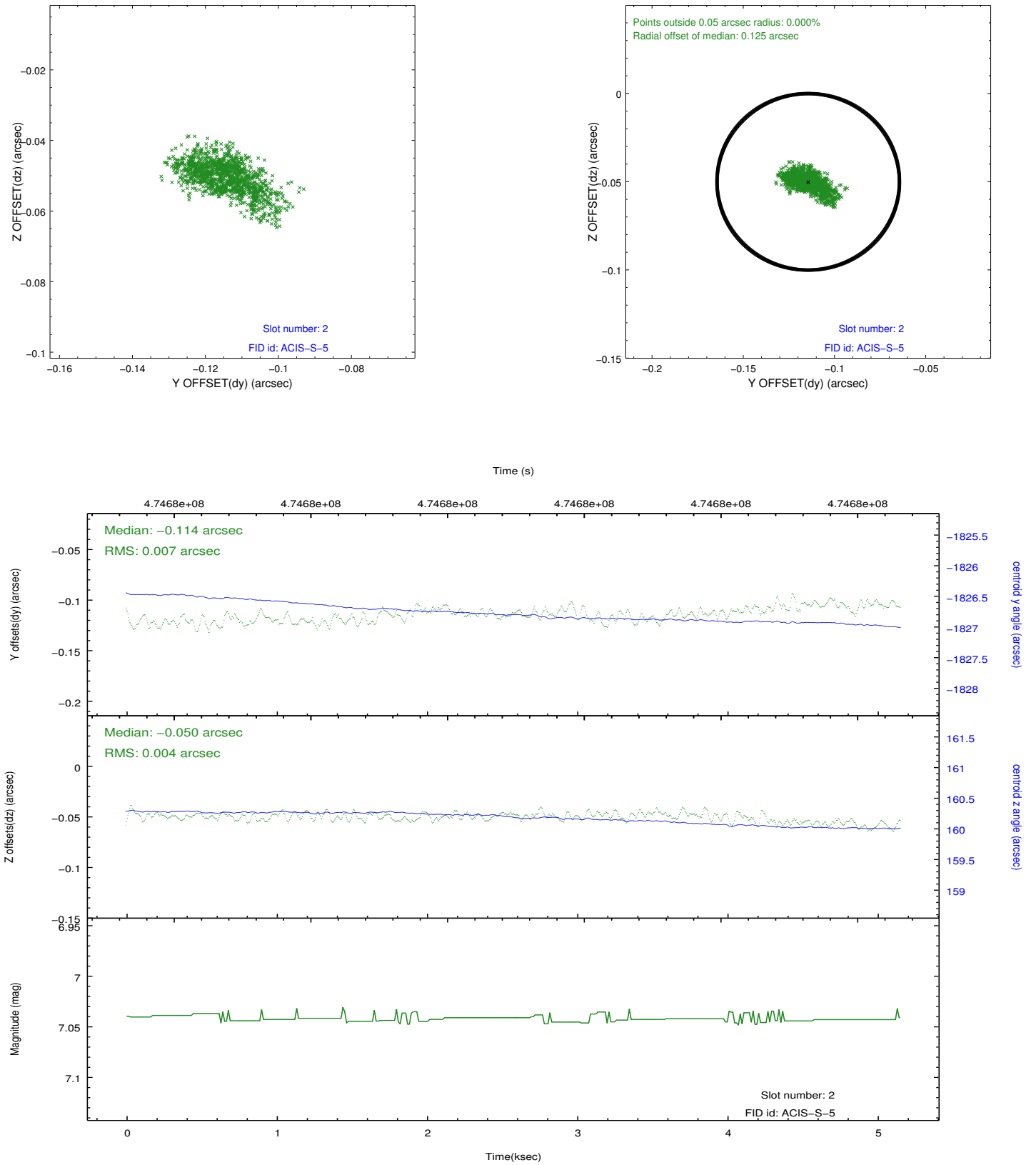
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.12.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0695996978283

A.2 Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.