

V&V Reference Report

L2 ASCDS Version : 10

Observation 14561 - L2 Version 2
Chandra X-Ray Center

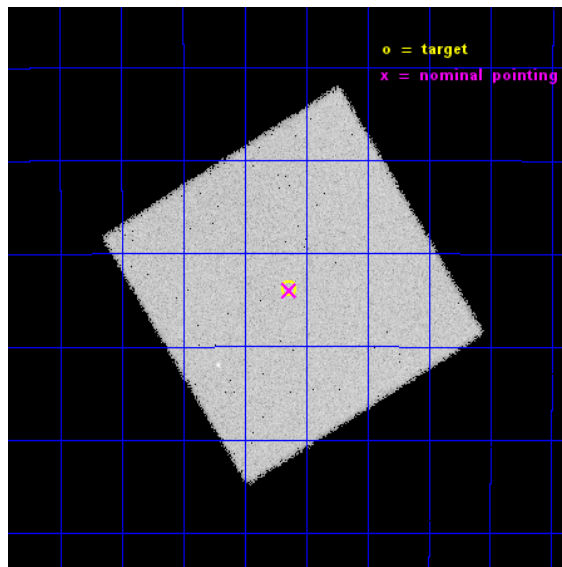
L2 Processing Date : Dec 6 2014

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1 Front

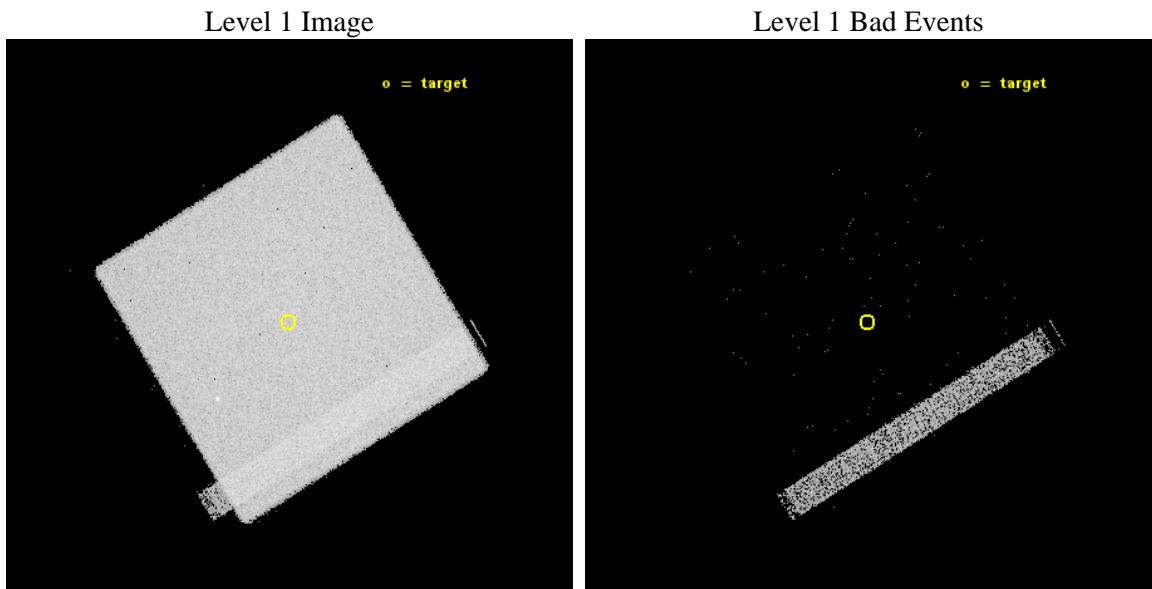
seq_num	200862	Sequence number
obs_id	14561	Observation id
title	Search for X-ray emission from a sample of luminous O-type subdwarfs	
observer	Mr. Nicola La Palombara	Principal investigator
object	LSE 21	Source name
ra_targ	298.909167	Observer's specified target RA [deg]
dec_targ	-23.228389	Observer's specified target Dec [deg]
ra_nom	298.90893012979	Nominal RA [deg]
dec_nom	-23.232686934731	Nominal Dec [deg]
roll_nom	283.56693552001	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4185.0752283931	[s]
livetime	4143.2604890372	Ontime multiplied by DTCOR
l2events	328659	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	4185.0752283931	[s]
caldsver	4.6.4	 	l1events	522624	Number of level 1 events
date	2014-12-06T10:02:30	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

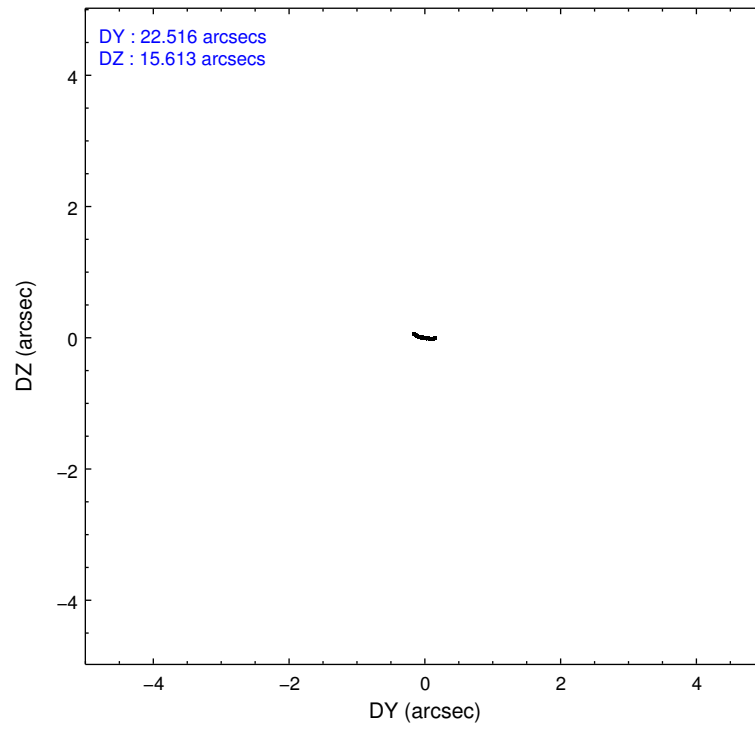
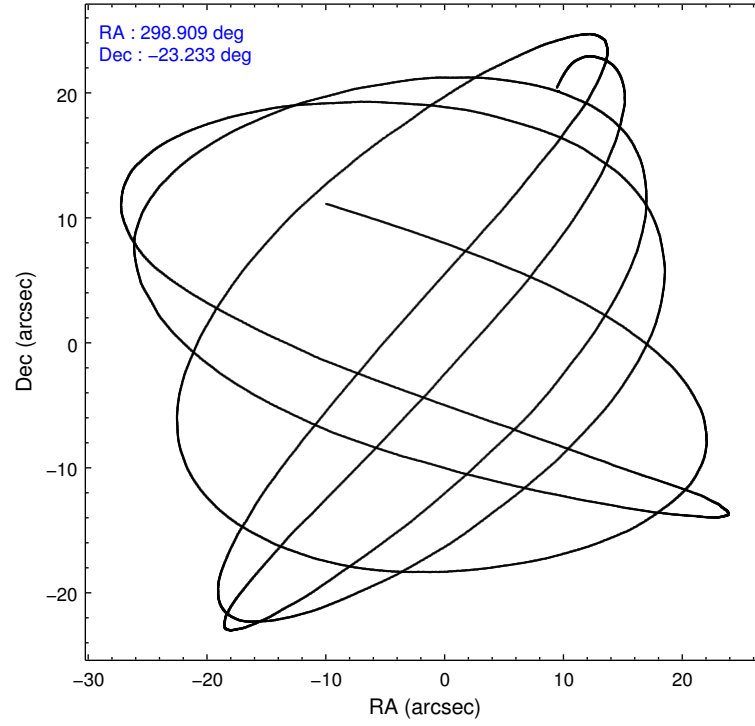
	segment 0
level 1 events	522624
rejected events	83989
rejected %	16%

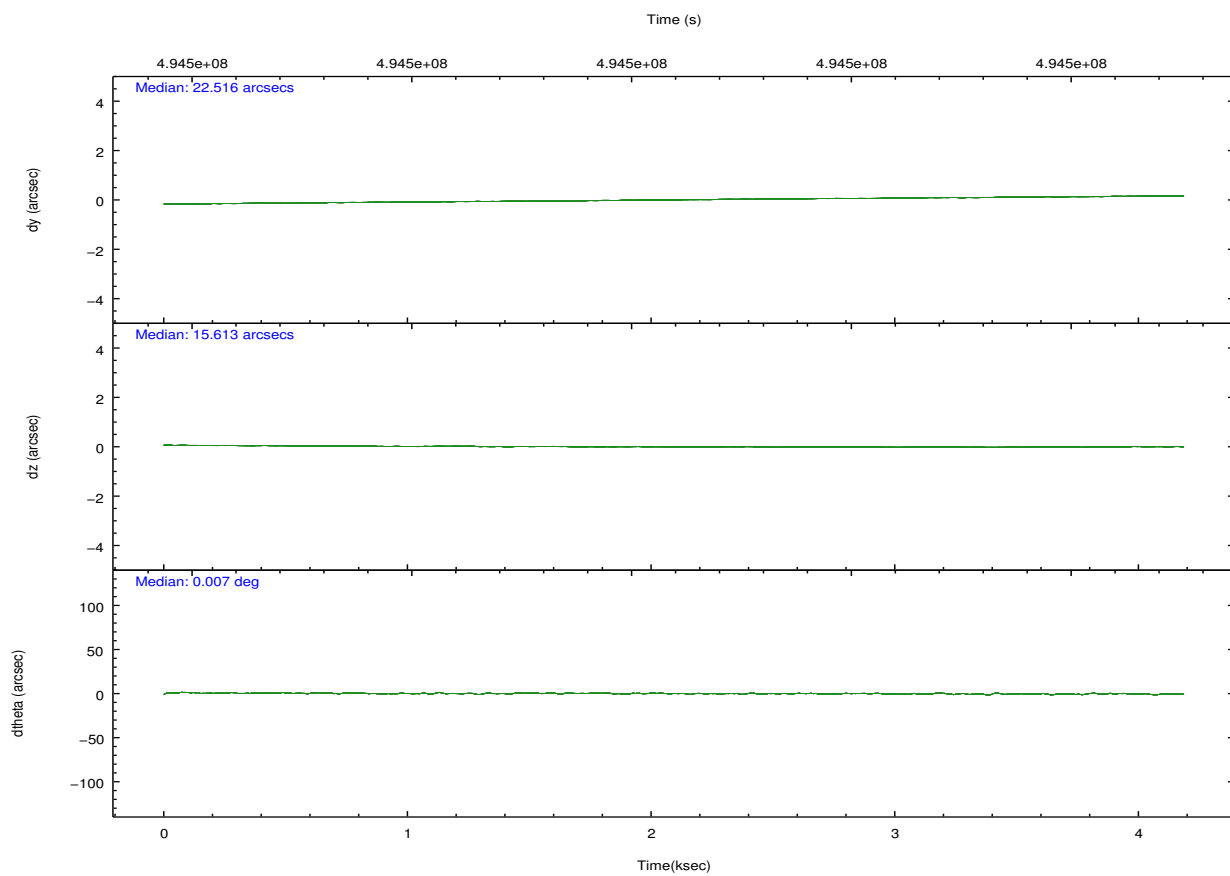
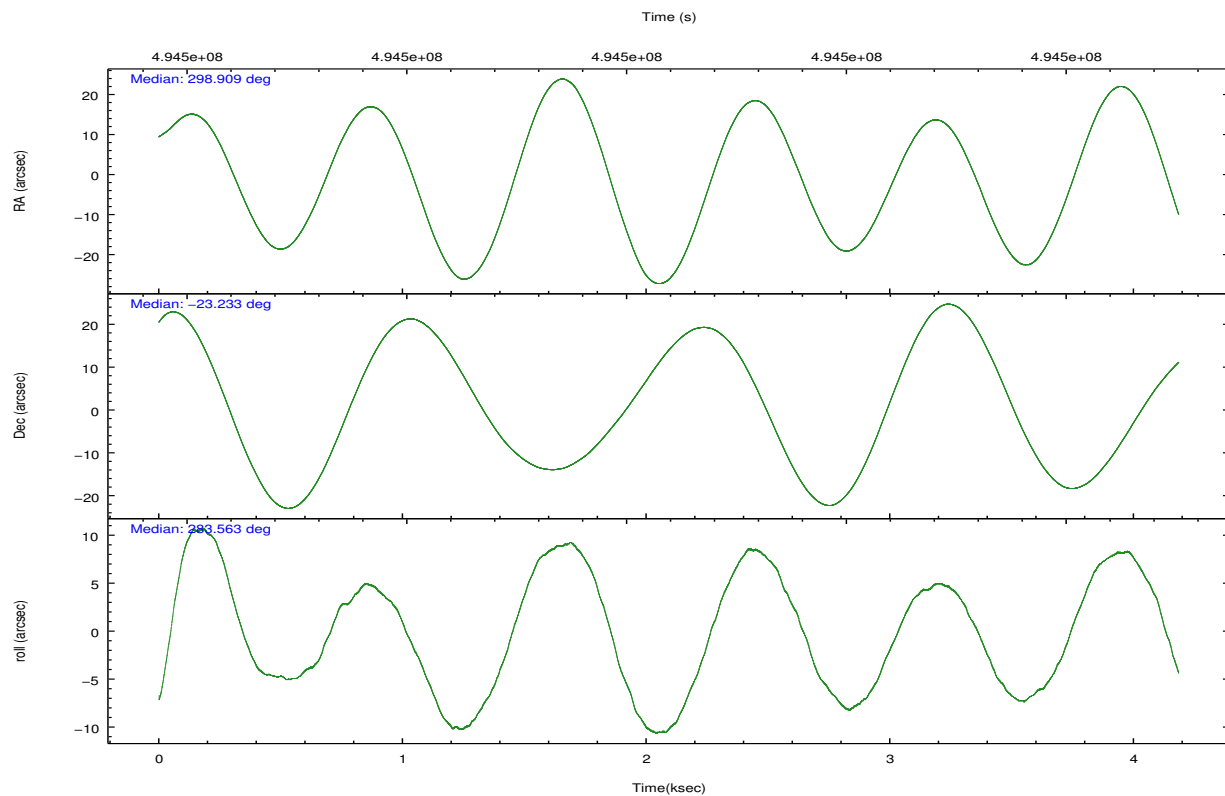
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	298.887631	298.9089301297904
[deg] Pointing Dec	-23.213305	-23.23268693473084
[deg] Pointing Roll	283.654035	283.566935520007
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	494500282.184000	494499432.11087
Observation start date	2013-09-02T09:10:15	2013-09-02T08:57:12
[s] Observation end time (MET)	494504282.184000	494505259.74869
Observation end date	2013-09-02T10:16:55	2013-09-02T10:34:19

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



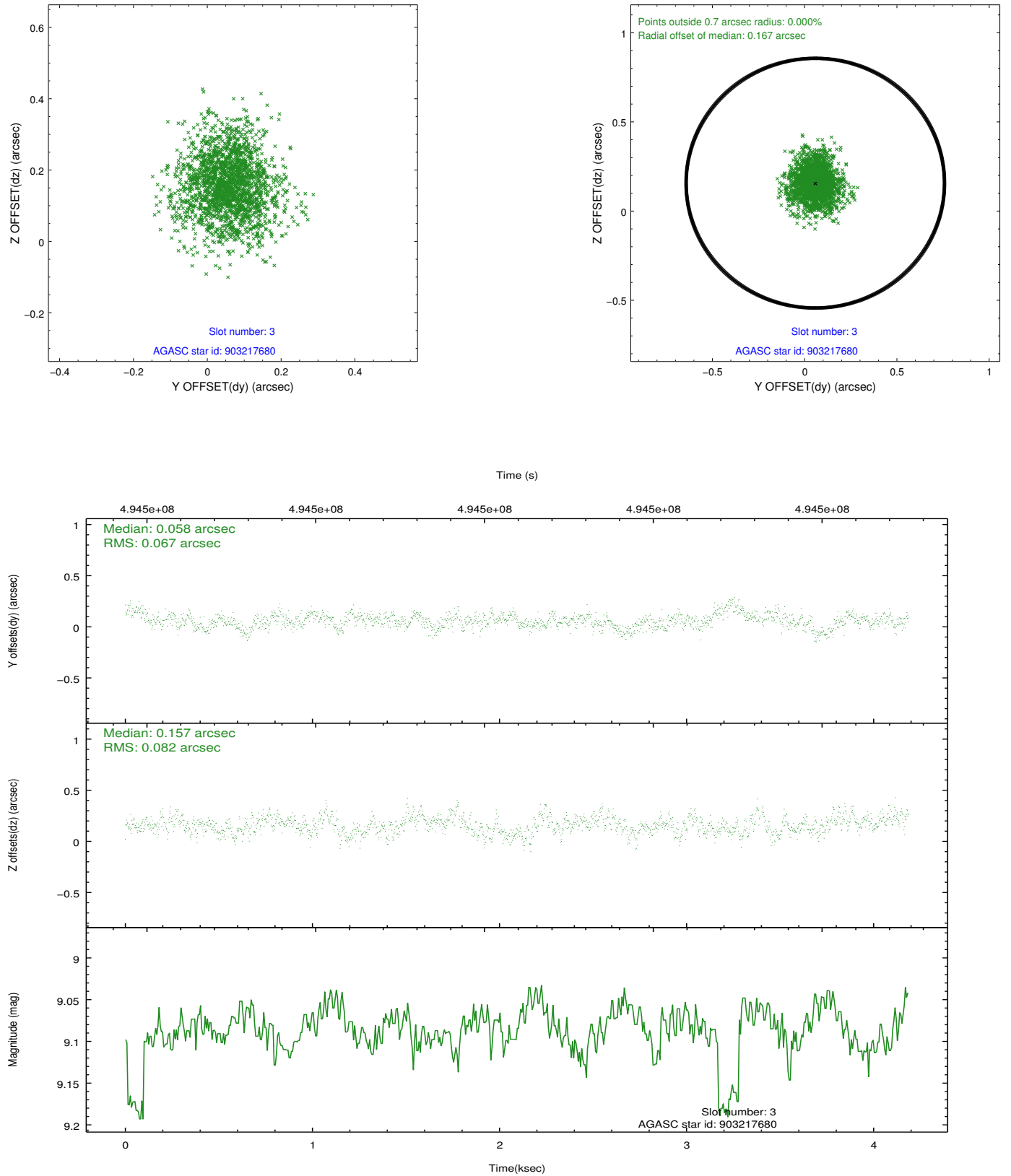


Slot Statistics

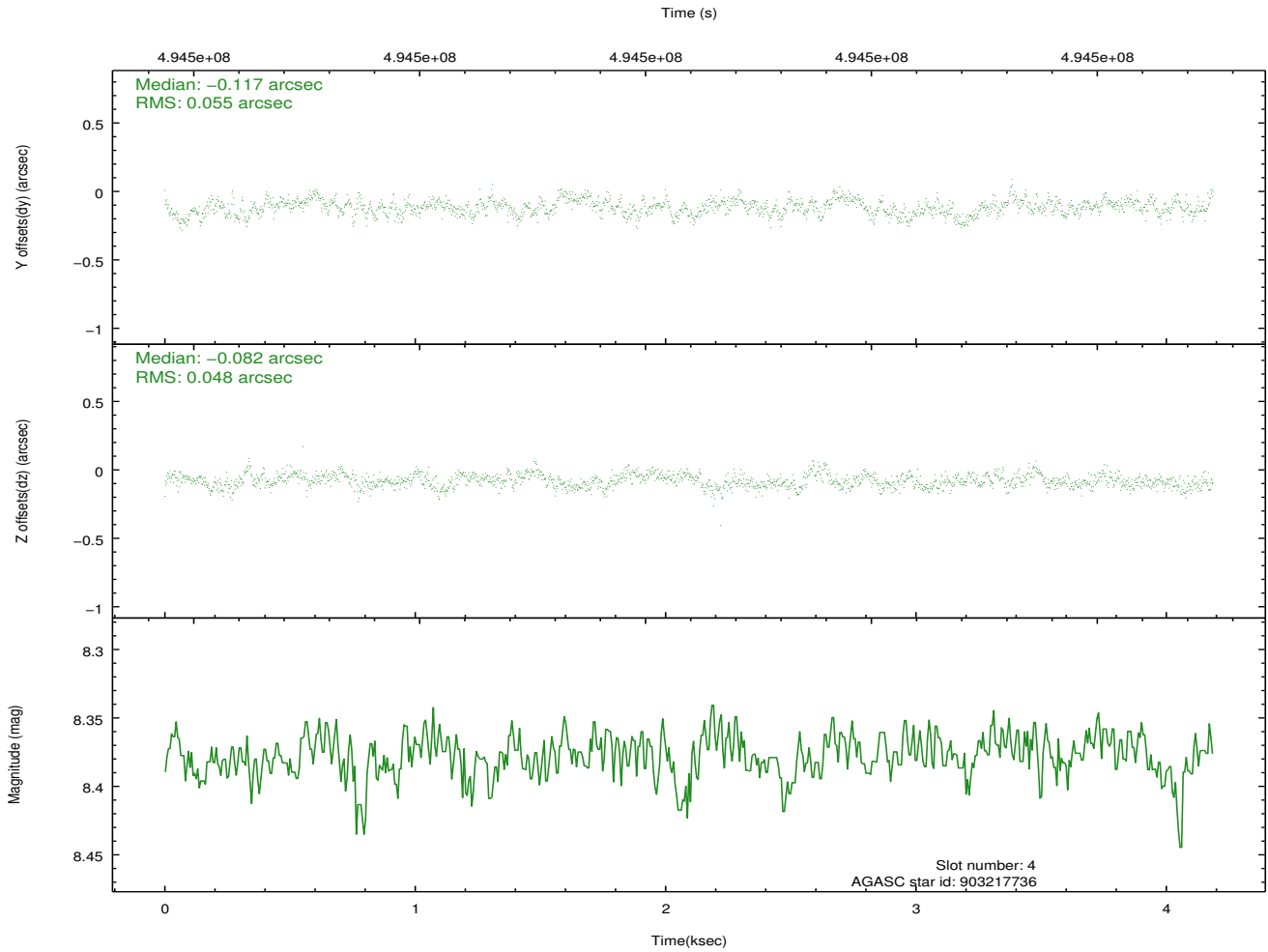
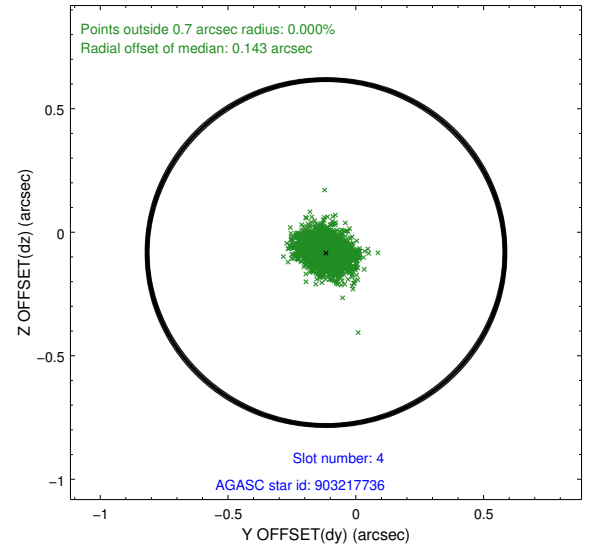
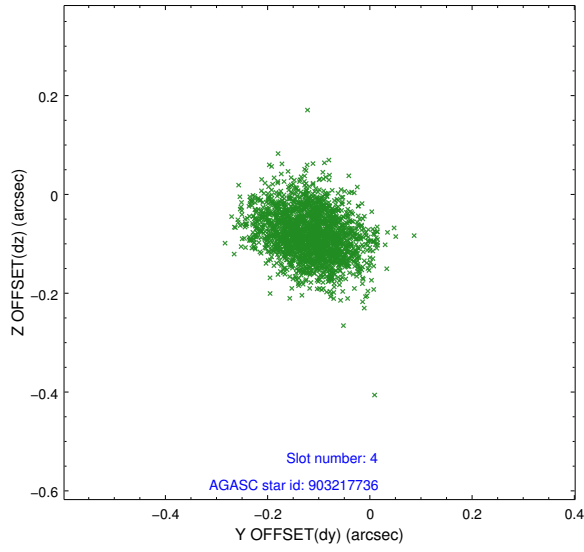
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.93	1021	-0.102	0.016	0.008	0.012	0.000000	0.000000	-778.59	-1303.73
1	FID		HRC-I-2	6.97	1021	0.201	-0.064	0.007	0.011	0.000000	0.000000	833.58	-1306.61
2	FID		HRC-I-3	7.03	1021	0.019	-0.042	0.007	0.014	0.000000	0.000000	-1206.20	999.48
3	GUIDE	used	903217680	9.09	2035	0.058	0.157	0.112	0.186	298.091844	-22.766279	-2180.29	-2189.89
4	GUIDE	used	903217736	8.38	2043	-0.117	-0.082	0.078	0.126	299.163262	-22.713872	-1531.65	1311.52
5	GUIDE	used	903222976	7.84	2038	-0.058	-0.007	0.084	0.139	299.167066	-23.066184	-295.95	1023.64
6	GUIDE	used	903230256	7.67	2043	0.039	0.047	0.077	0.129	298.795111	-23.907632	2356.98	-886.18
7	GUIDE	used	903363256	8.50	2040	0.074	-0.124	0.095	0.155	299.593294	-23.330135	965.59	2164.52

2.4 Star Slots

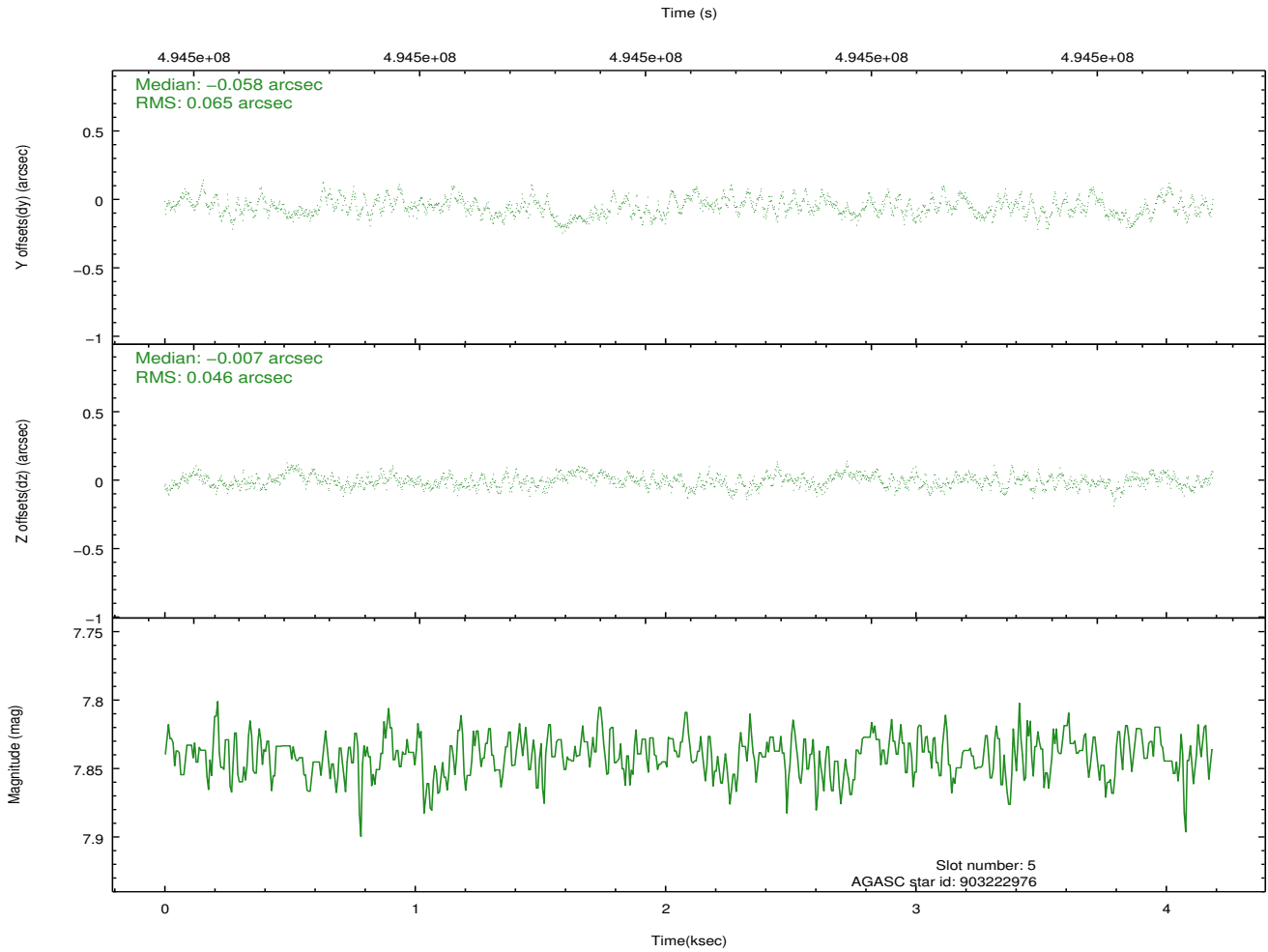
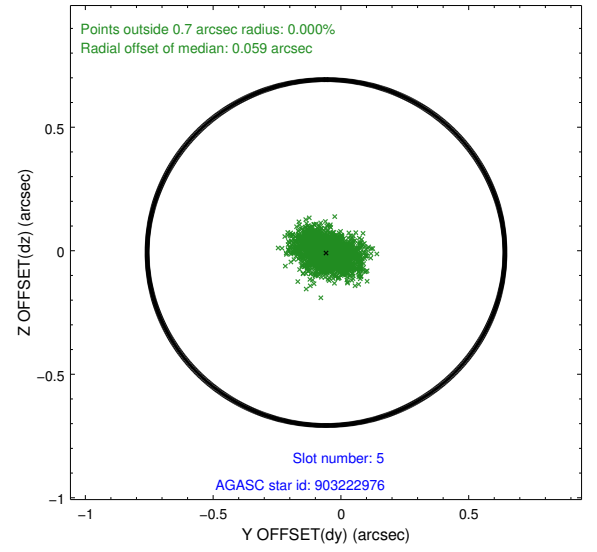
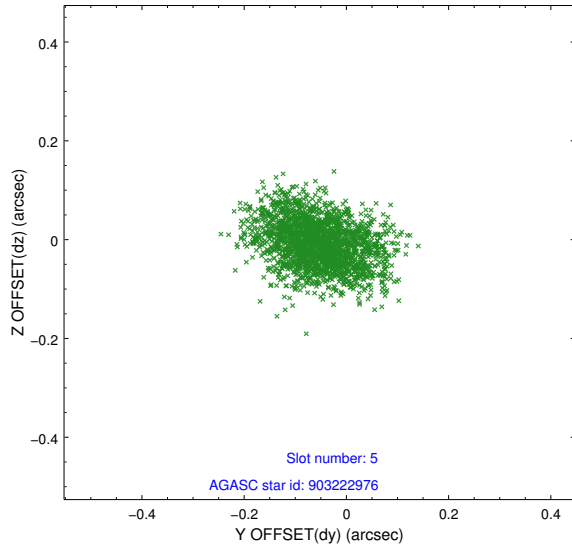
2.4.1 Slot 3



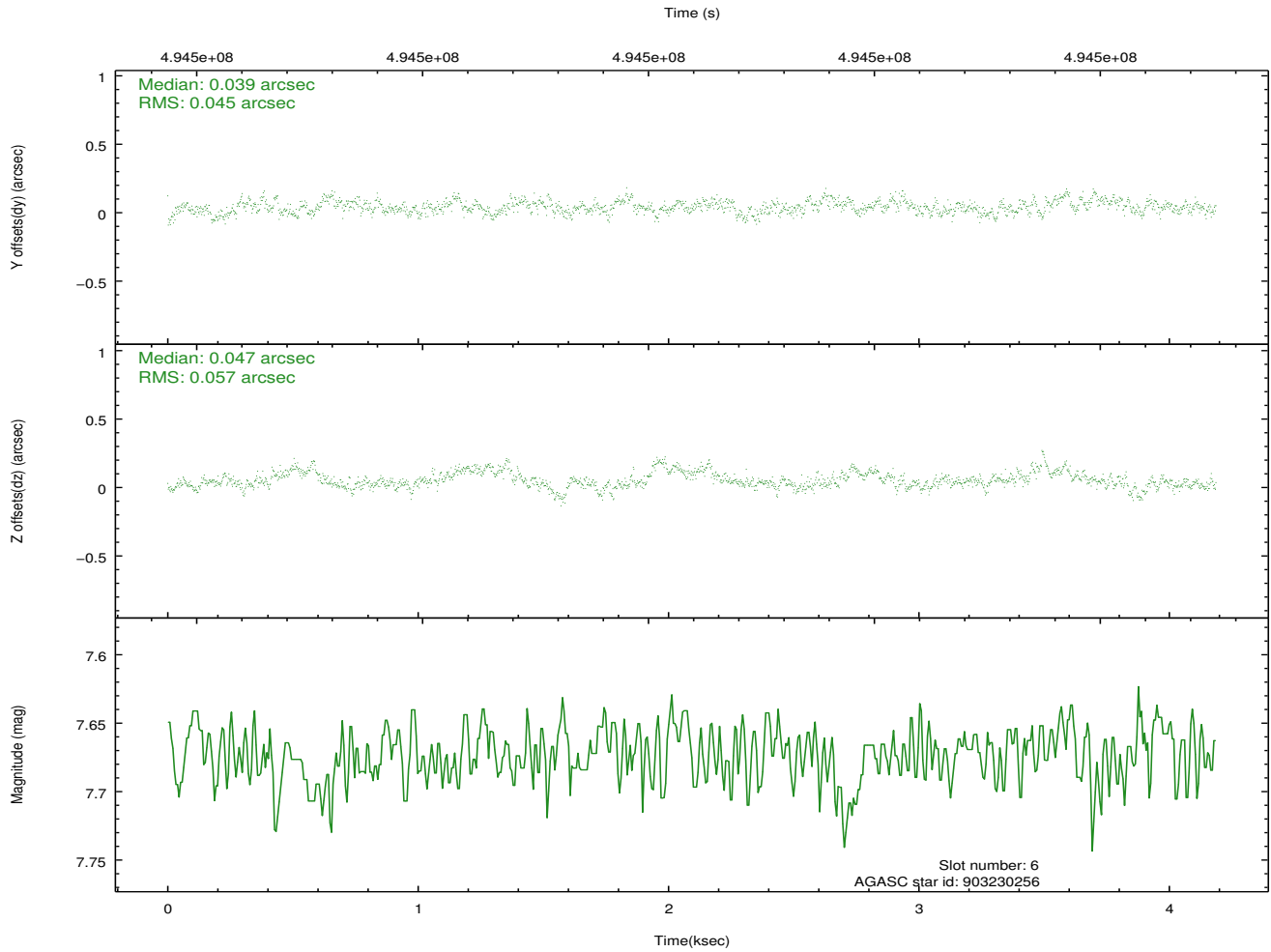
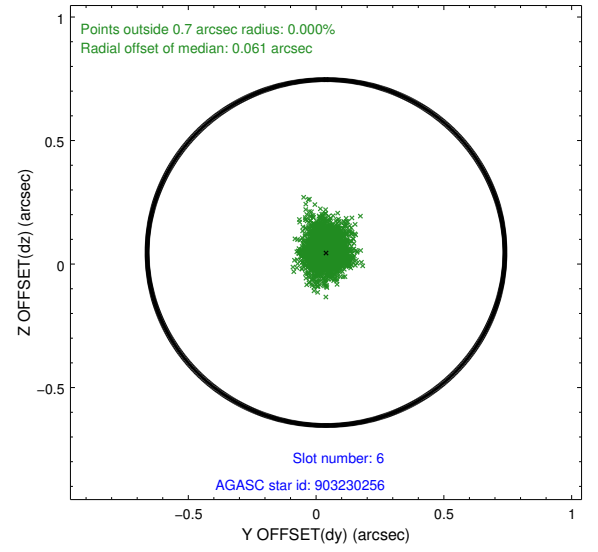
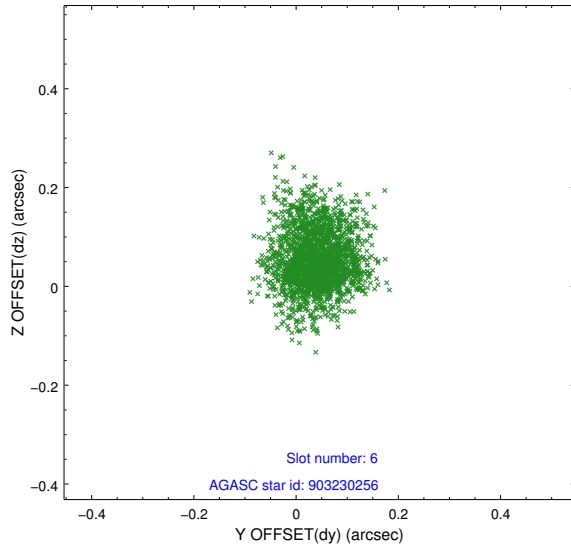
2.4.2 Slot 4



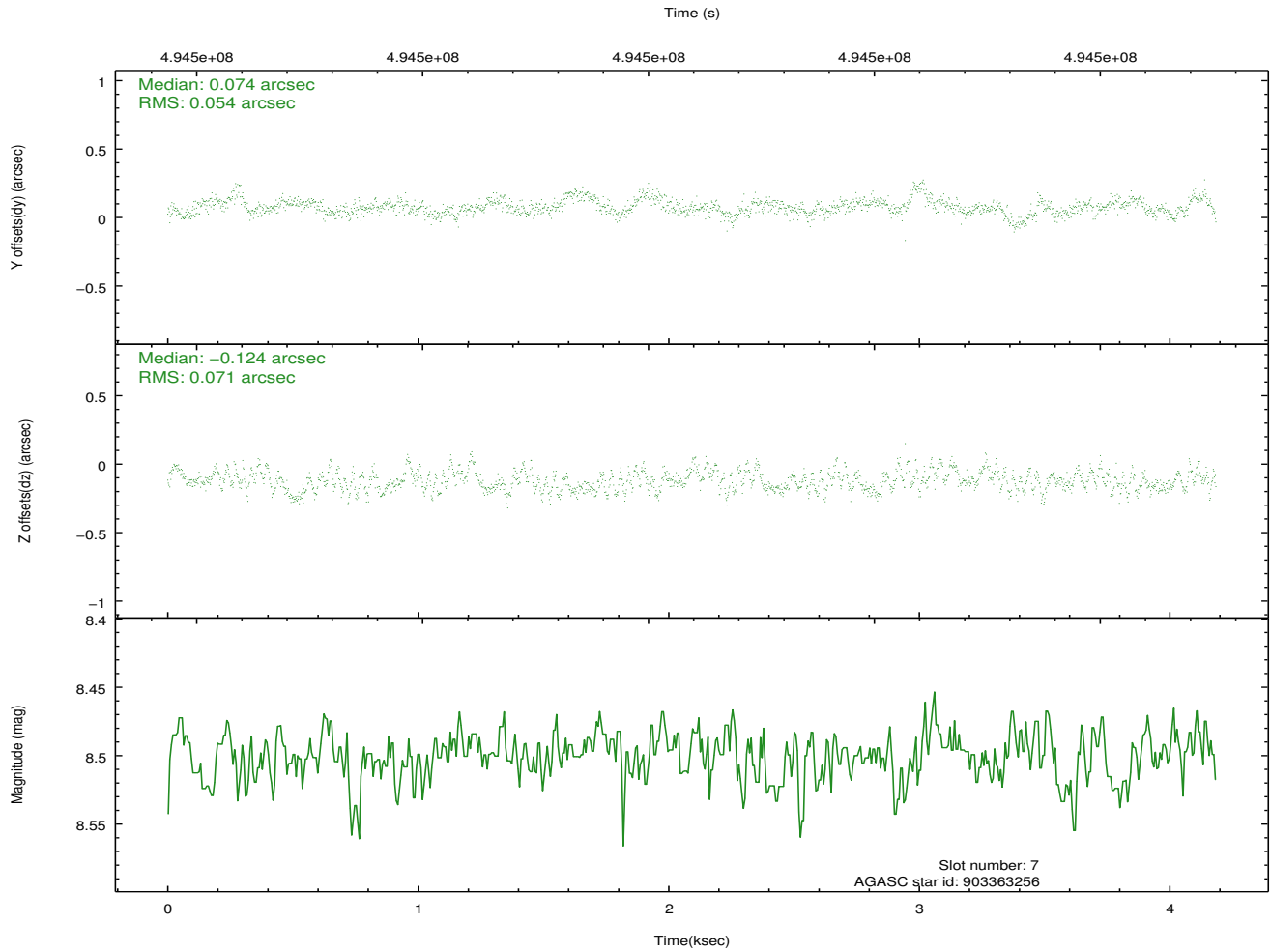
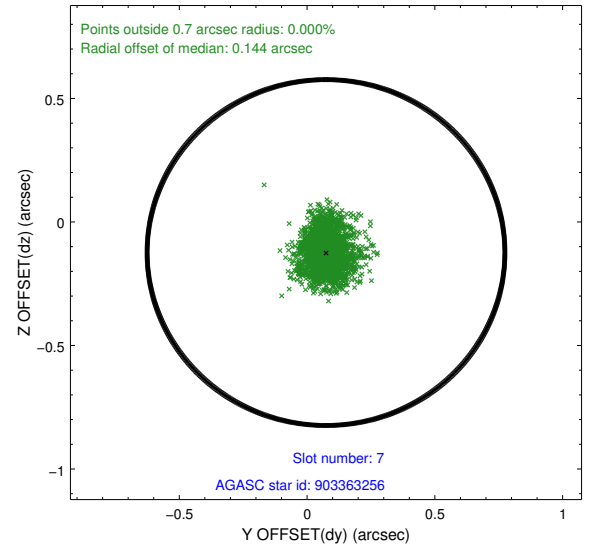
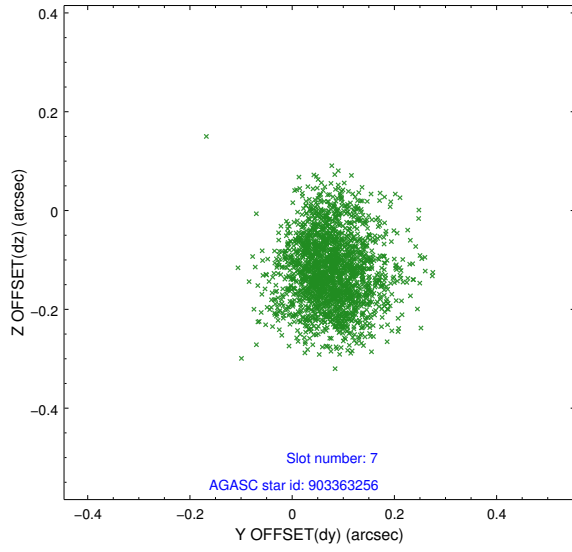
2.4.3 Slot 5



2.4.4 Slot 6

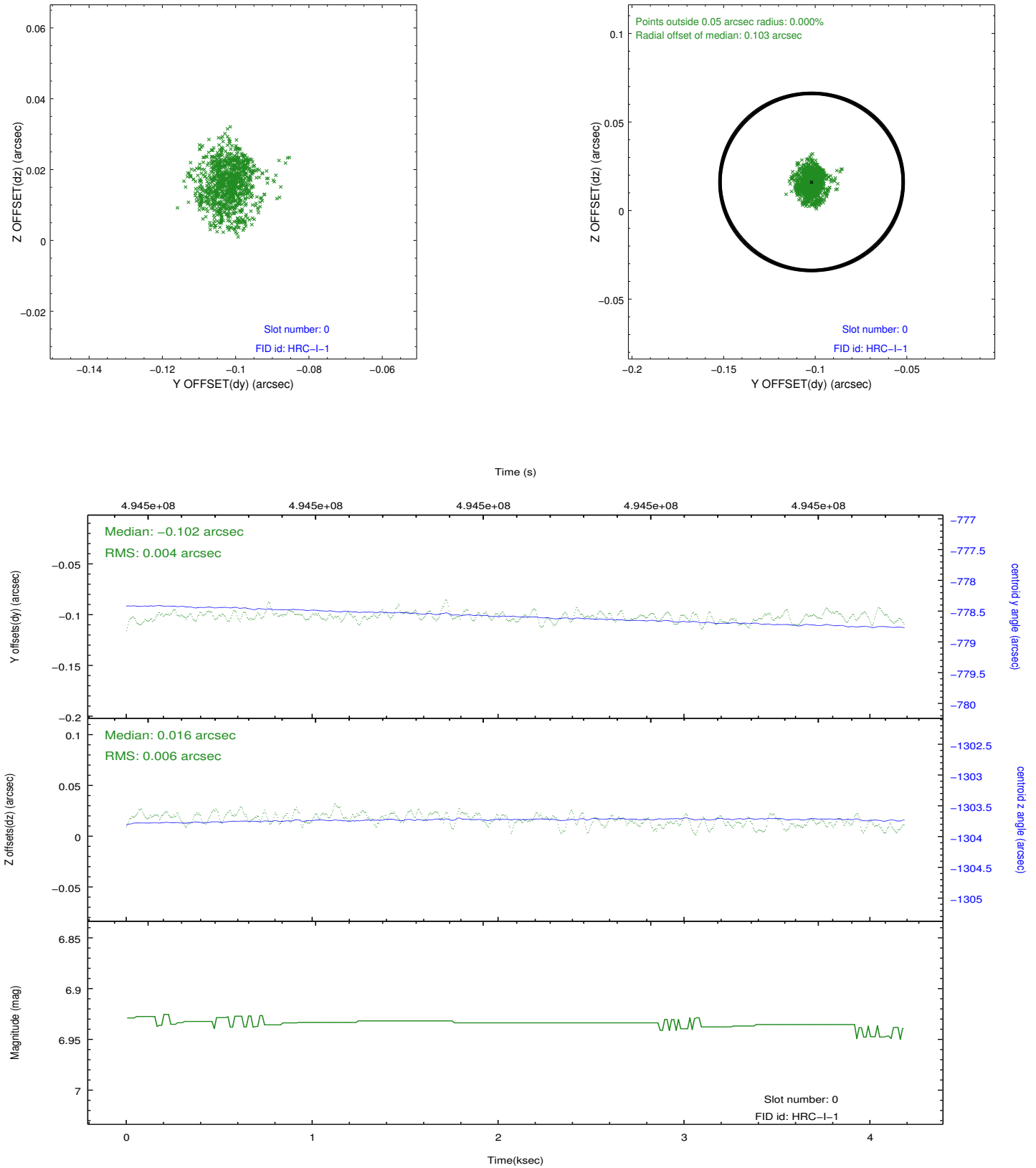


2.4.5 Slot 7

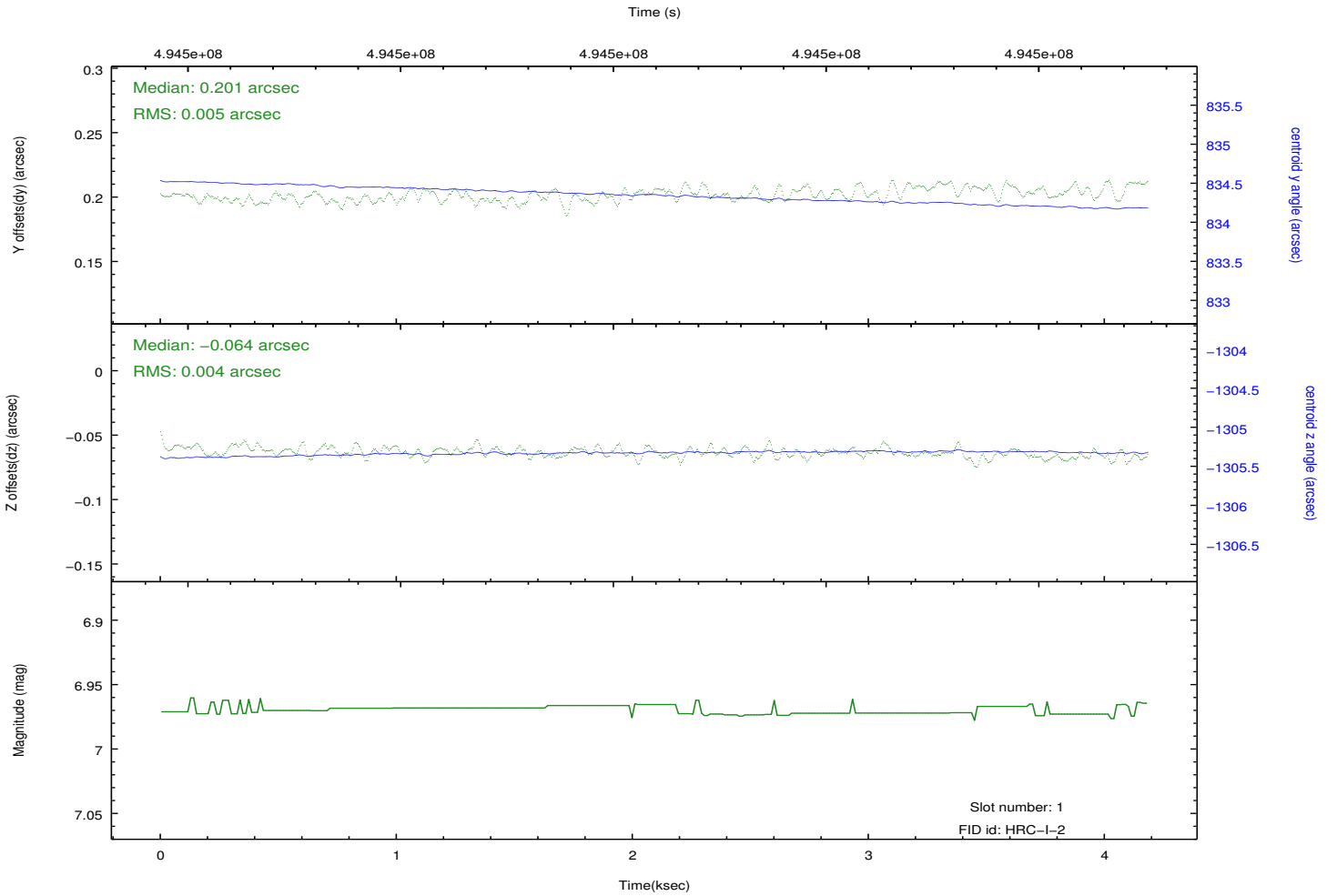
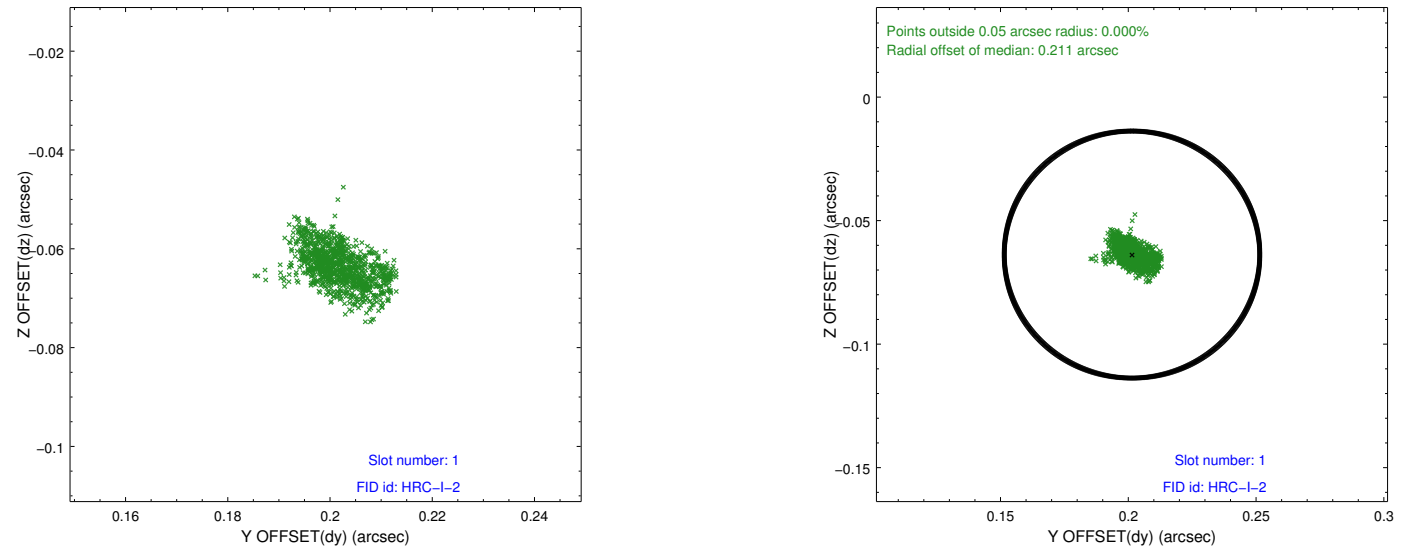


2.5 FID Slots

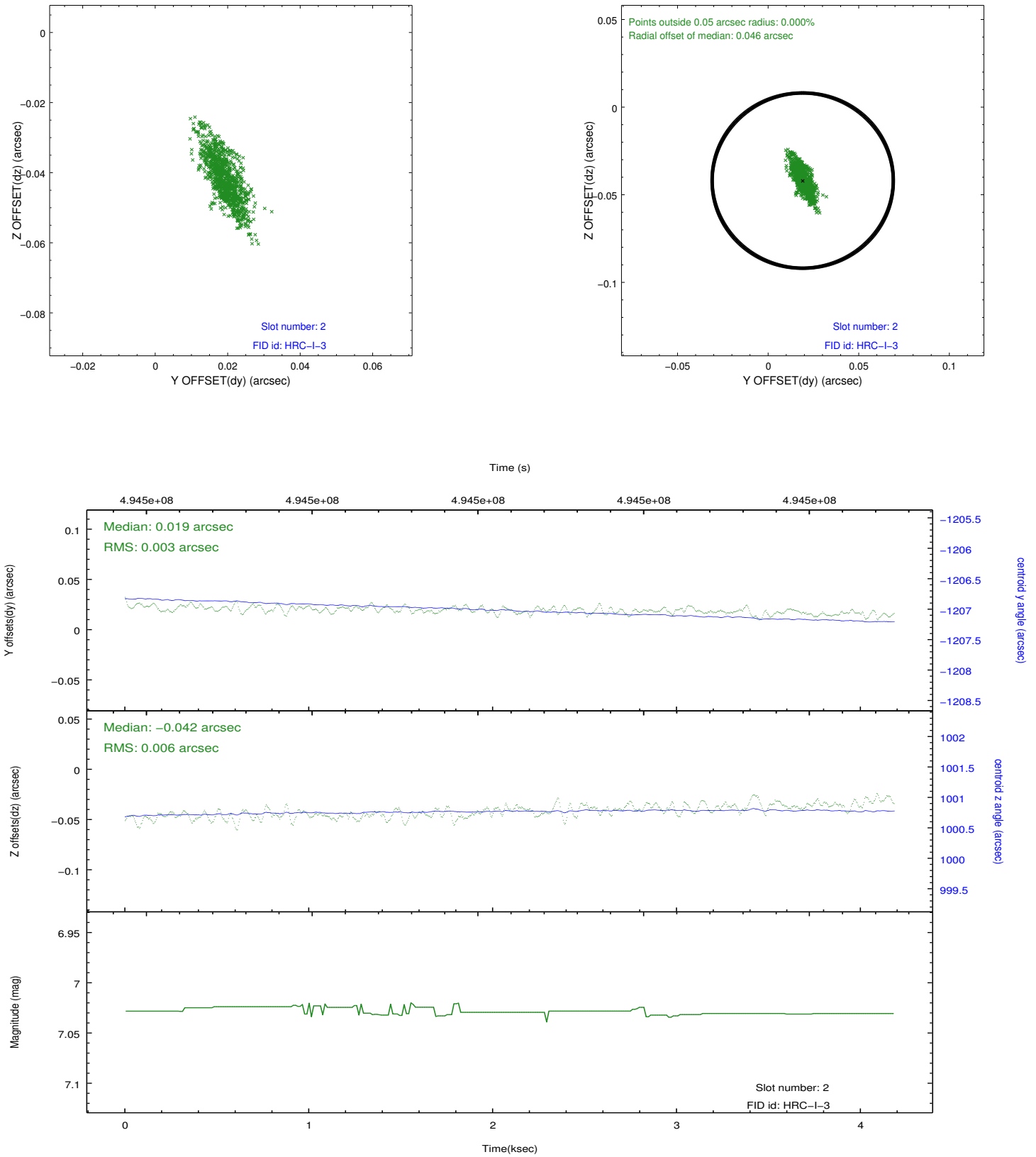
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1850752283931

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.