

V&V Reference Report

L2 ASCDS Version : 10

Observation 14555 - L2 Version 2
Chandra X-Ray Center

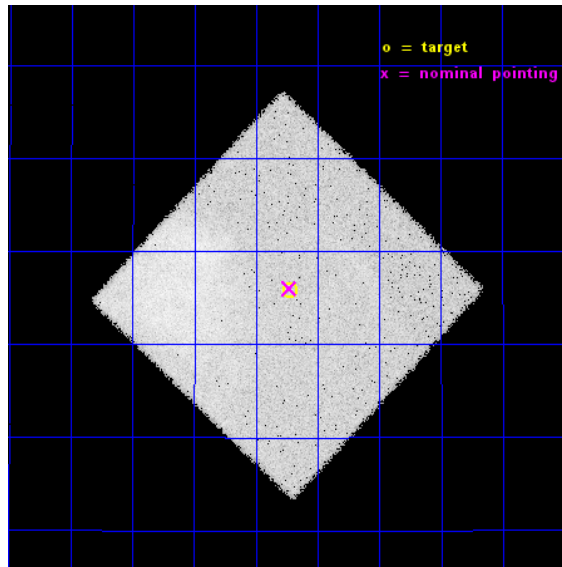
L2 Processing Date : Dec 6 2014

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1 Front

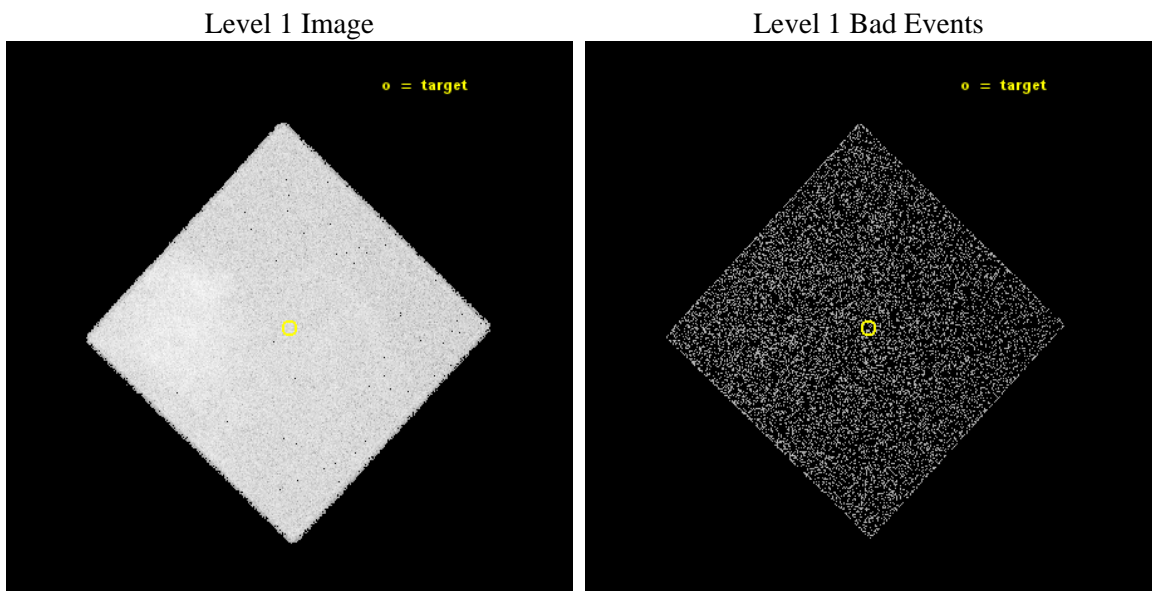
seq_num	200856	Sequence number
obs_id	14555	Observation id
title	Search for X-ray emission from a sample of luminous O-type subdwarfs	
observer	Mr. Nicola La Palombara	Principal investigator
object	LS V +22 38	Source name
ra_targ	94.055417	Observer's specified target RA [deg]
dec_targ	22.7635	Observer's specified target Dec [deg]
ra_nom	94.057051389043	Nominal RA [deg]
dec_nom	22.767135416214	Nominal Dec [deg]
roll_nom	88.46067675204	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4146.3814762235	[s]
livetime	4112.3612868724	Ontime multiplied by DTCOR
l2events	286154	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	4146.3814762235	[s]
caldbver	4.6.4	 	l1events	509714	Number of level 1 events
date	2014-12-06T09:59:23	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

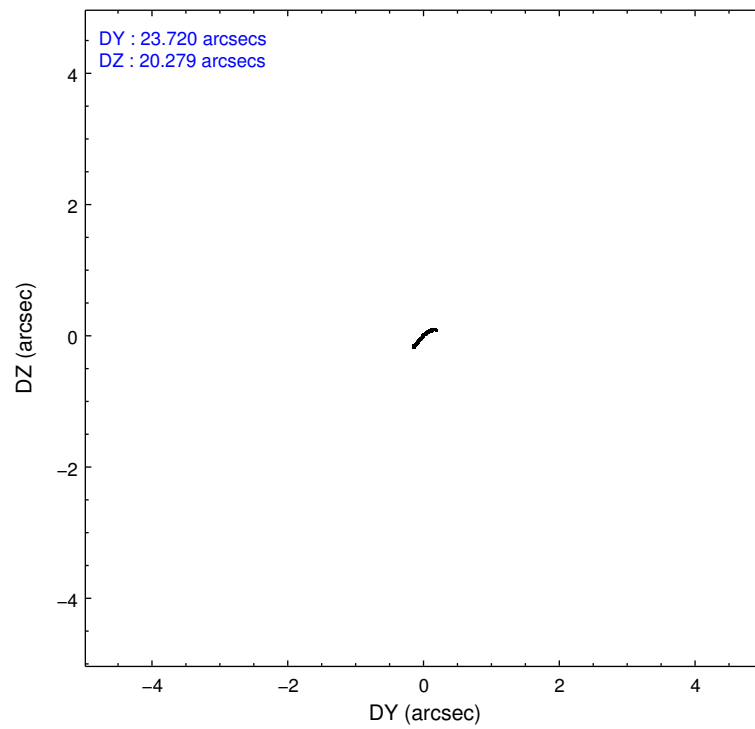
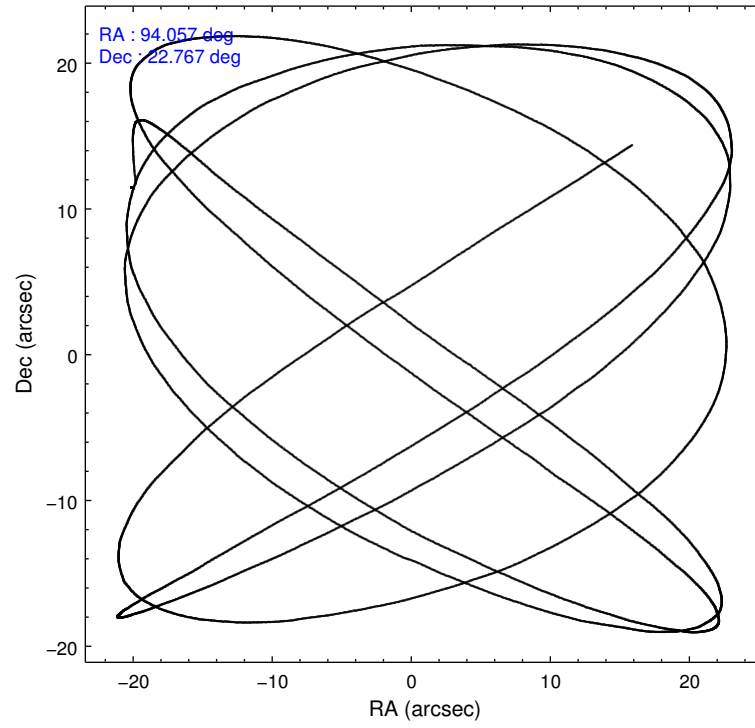
Level 1 Events

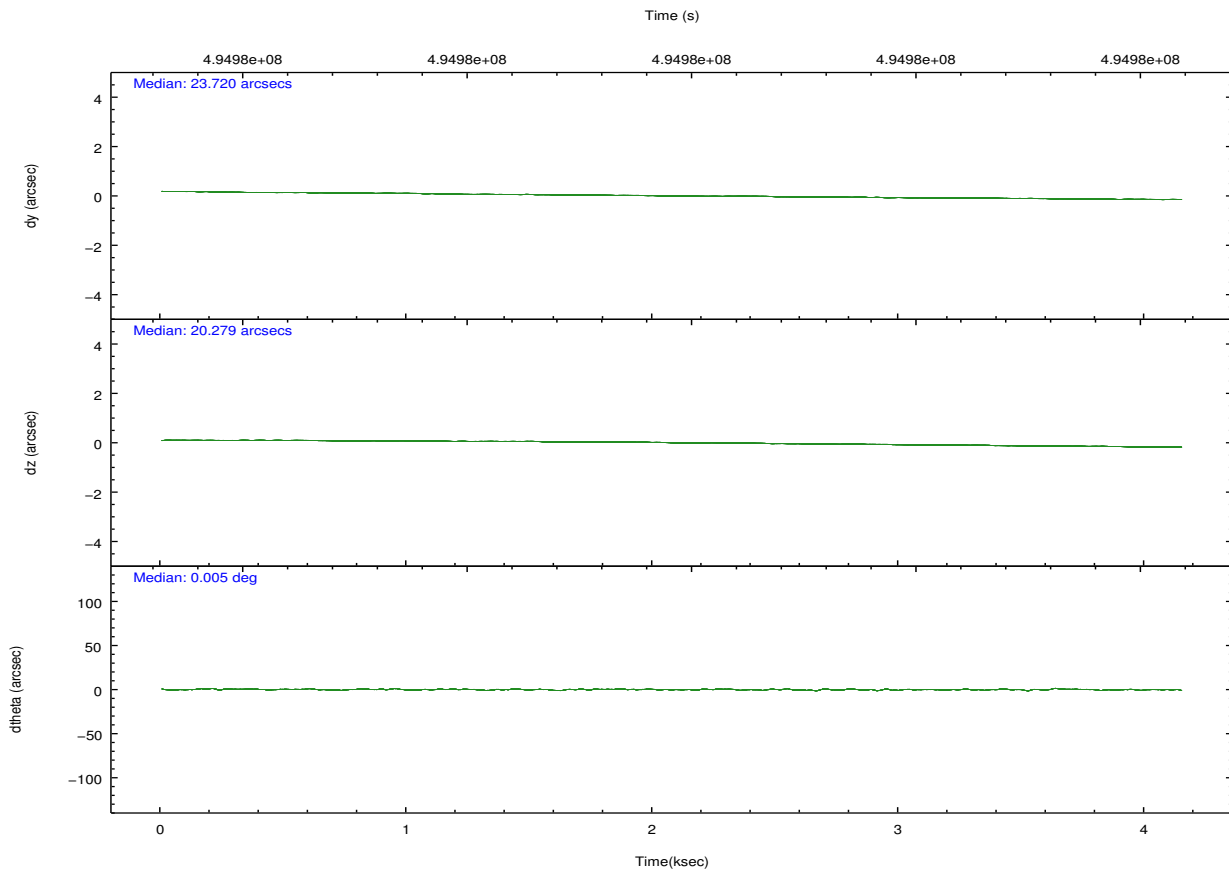
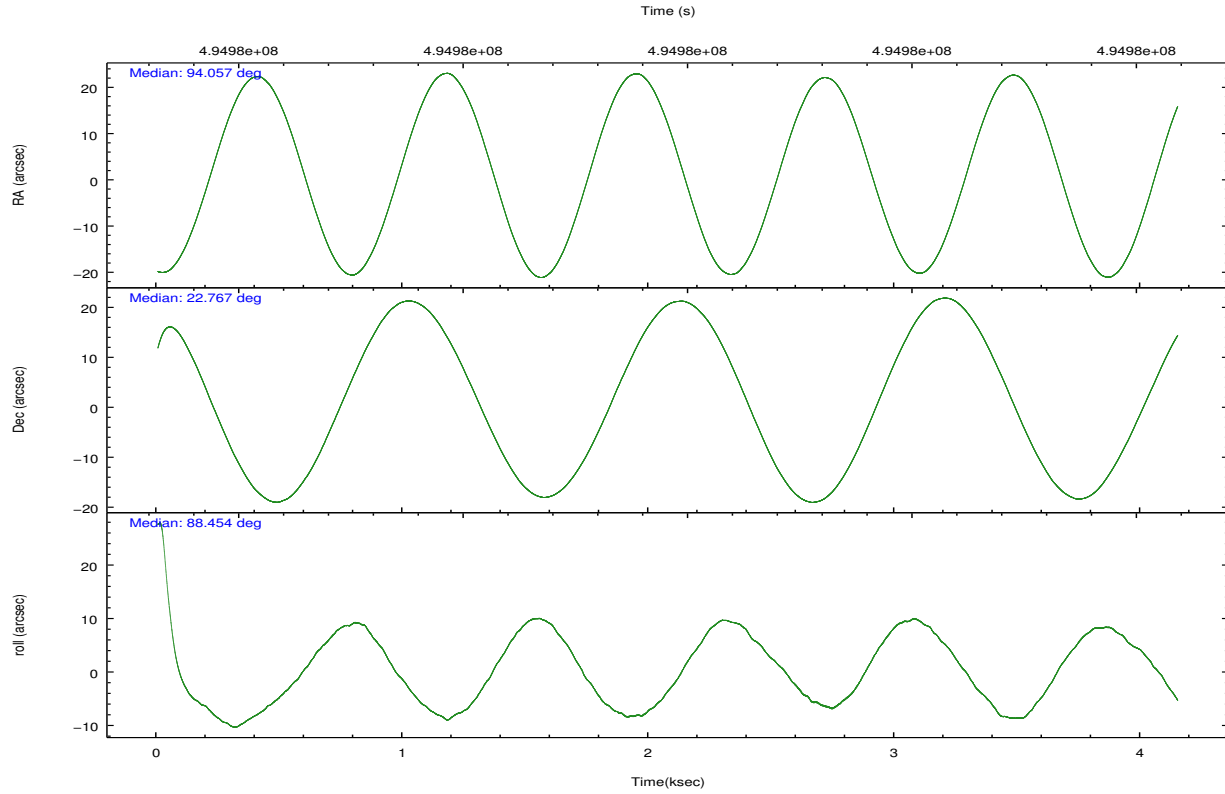
	segment 0
level 1 events	509714
rejected events	139183
rejected %	27%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	94.071878	94.05705138904285			
[deg] Pointing Dec	22.743780	22.7671354162139			
[deg] Pointing Roll	88.550340	88.46067675204007			
[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)	494976986.184000	494975674.29935			
Observation start date	2013-09-07T21:35:19	2013-09-07T21:14:34			
[s] Observation end time (MET)	494980986.184000	494981604.43717			
Observation end date	2013-09-07T22:41:59	2013-09-07T22:53:24			

2.3 Aspect





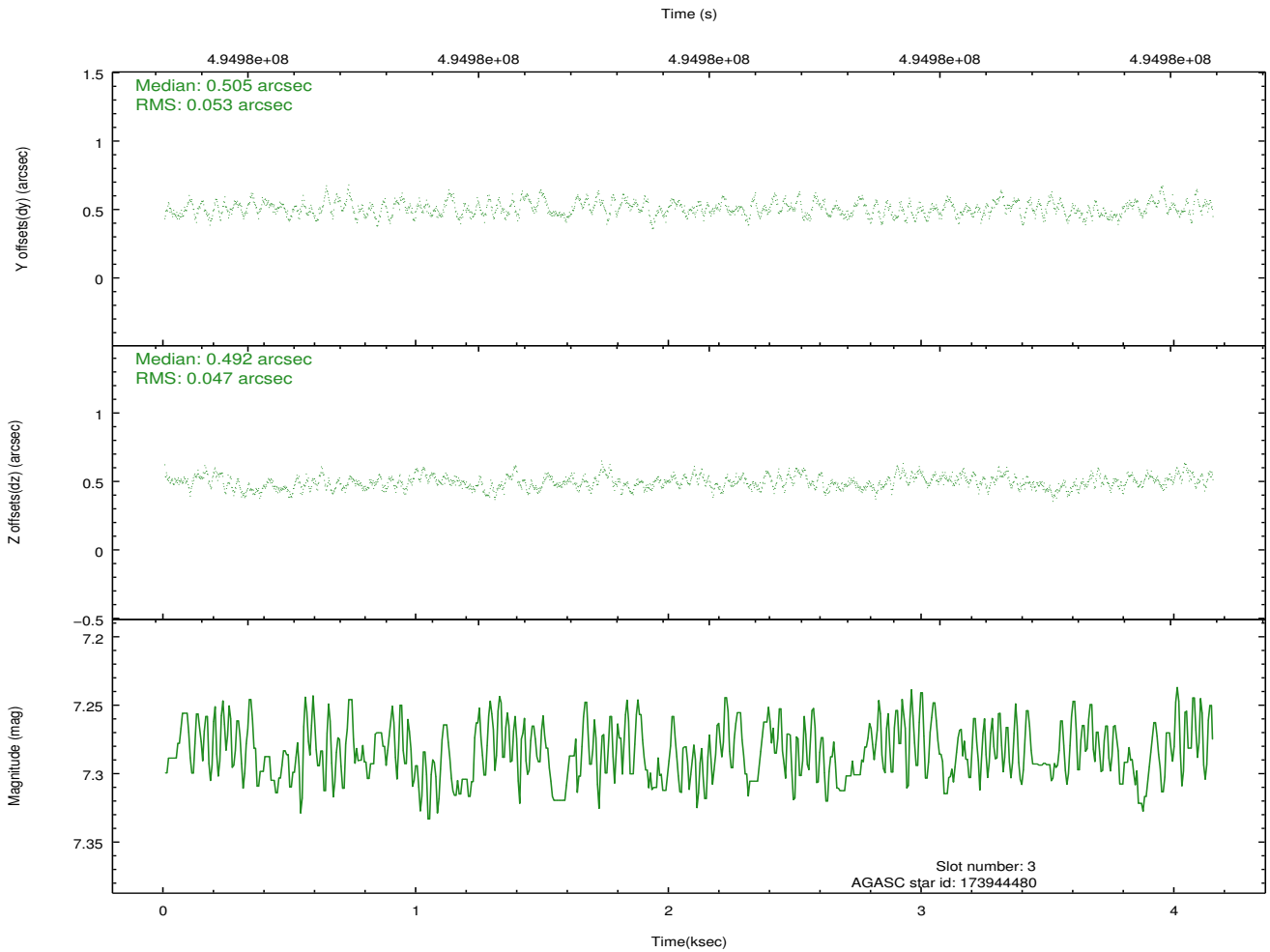
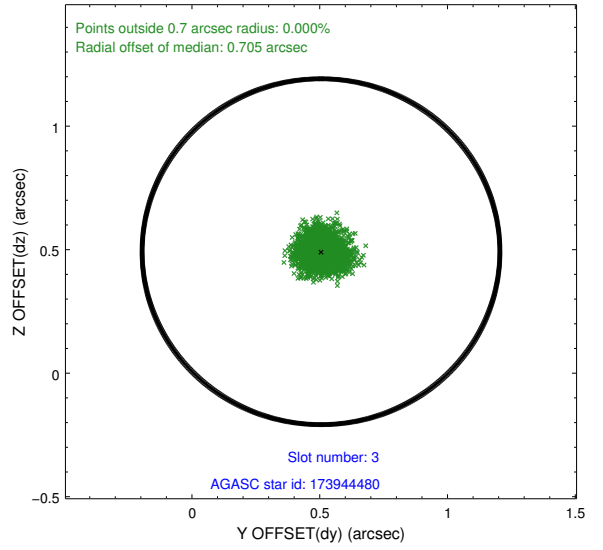
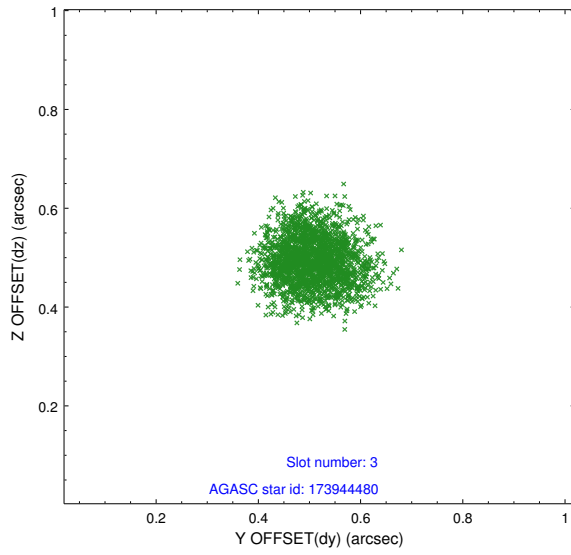
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.95	1012	-0.127	0.029	0.006	0.011	0.000000	0.000000	-779.82	-1308.52
1	FID		HRC-I-2	6.99	1012	0.230	-0.070	0.006	0.011	0.000000	0.000000	832.39	-1311.39
2	FID		HRC-I-3	7.03	1012	0.016	-0.049	0.006	0.010	0.000000	0.000000	-1207.47	994.65
3	GUIDE	used	173944480	7.29	2024	0.505	0.492	0.077	0.120	94.334818	22.143978	-2133.93	-931.41
4	GUIDE	used	246032128	8.58	2021	-0.689	-0.395	0.089	0.152	93.682548	23.361115	2190.05	1341.50
5	GUIDE	used	246034408	8.19	2024	0.010	-0.222	0.086	0.133	94.024247	23.193583	1616.80	198.84
6	GUIDE	used	246025784	8.90	2006	-0.054	-0.593	0.121	0.208	93.365964	22.964812	743.24	2359.07
7	GUIDE	used	246160608	8.77	2020	0.233	0.718	0.119	0.198	94.789542	22.968548	876.91	-2355.92

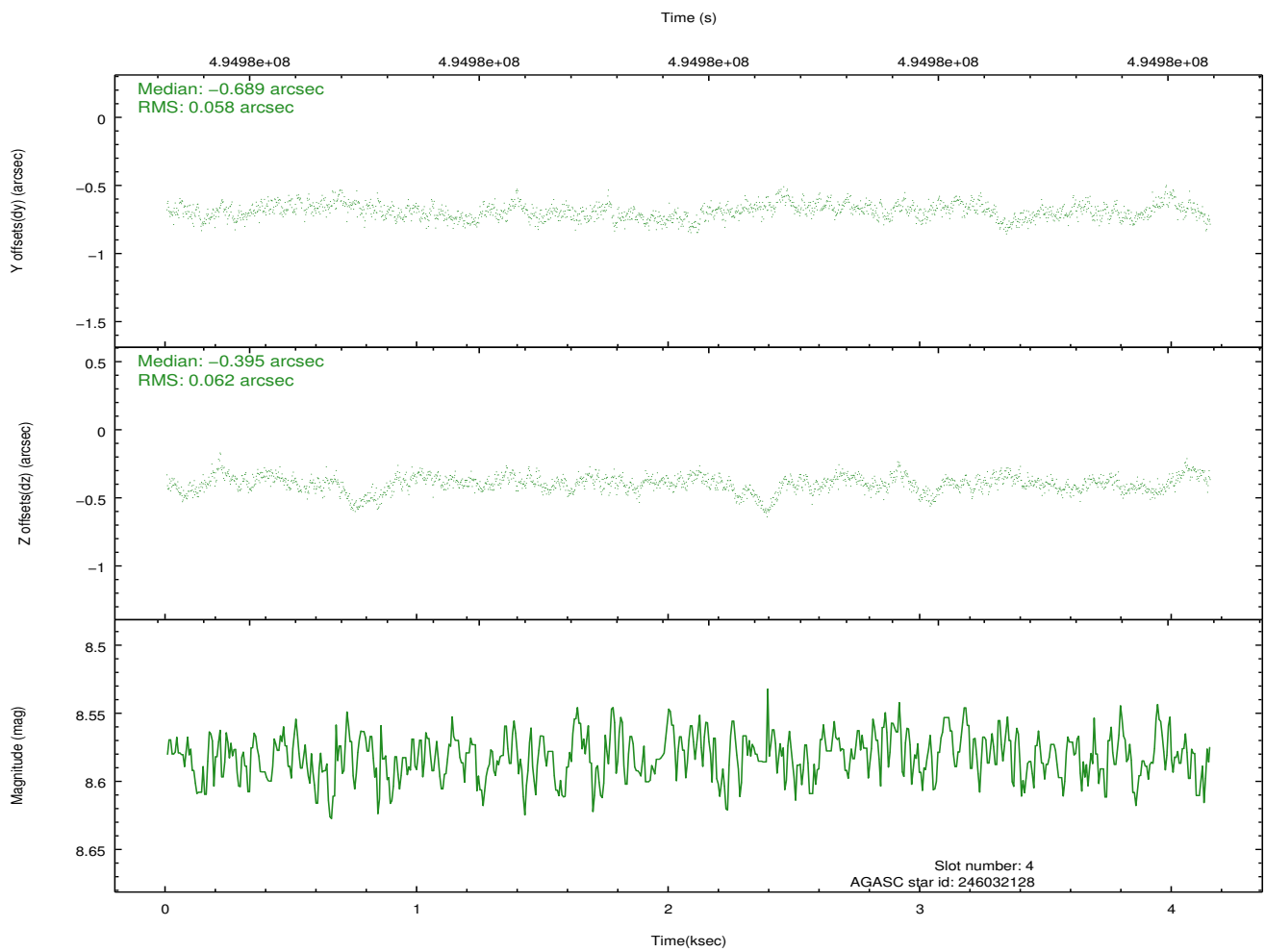
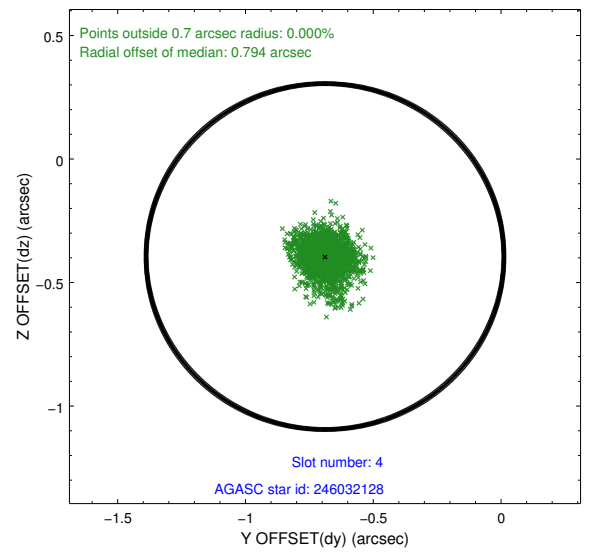
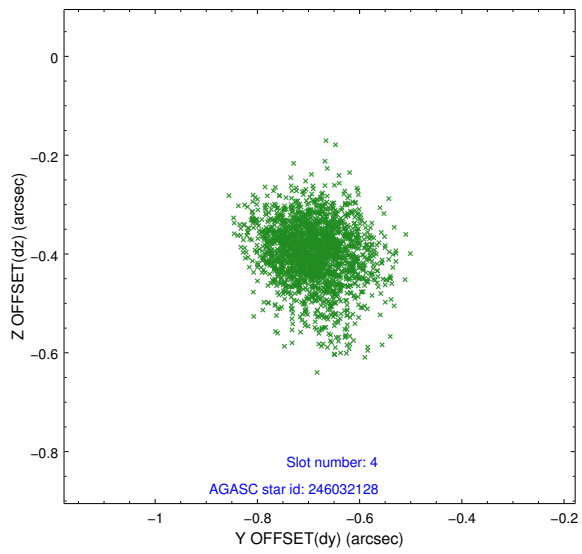
∞

2.4 Star Slots

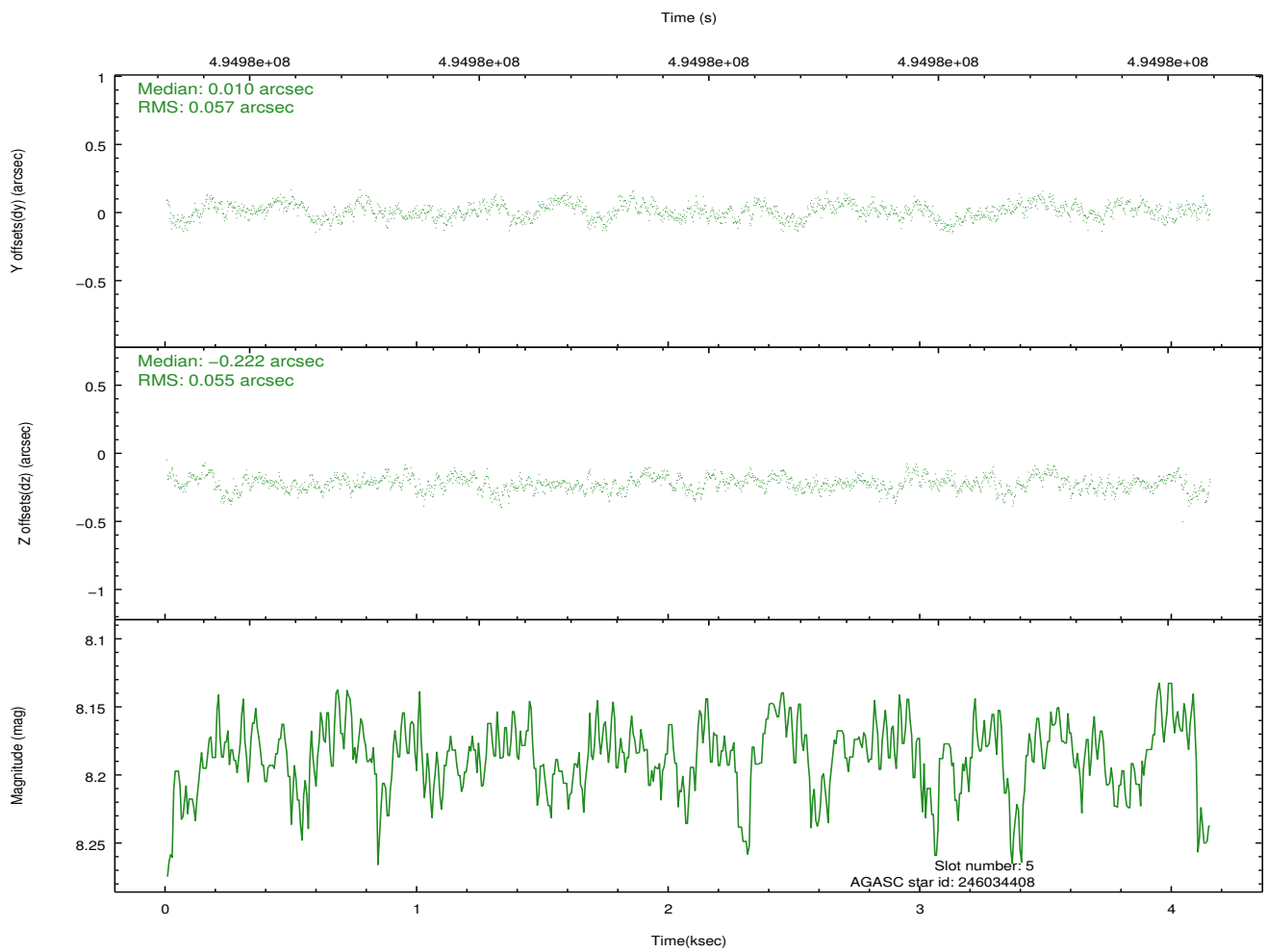
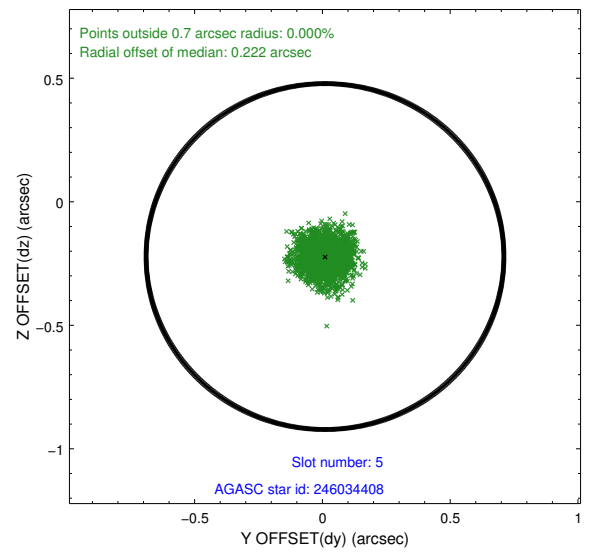
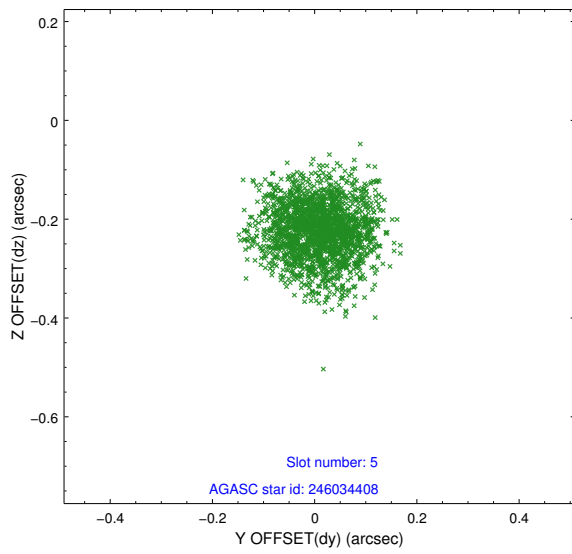
2.4.1 Slot 3



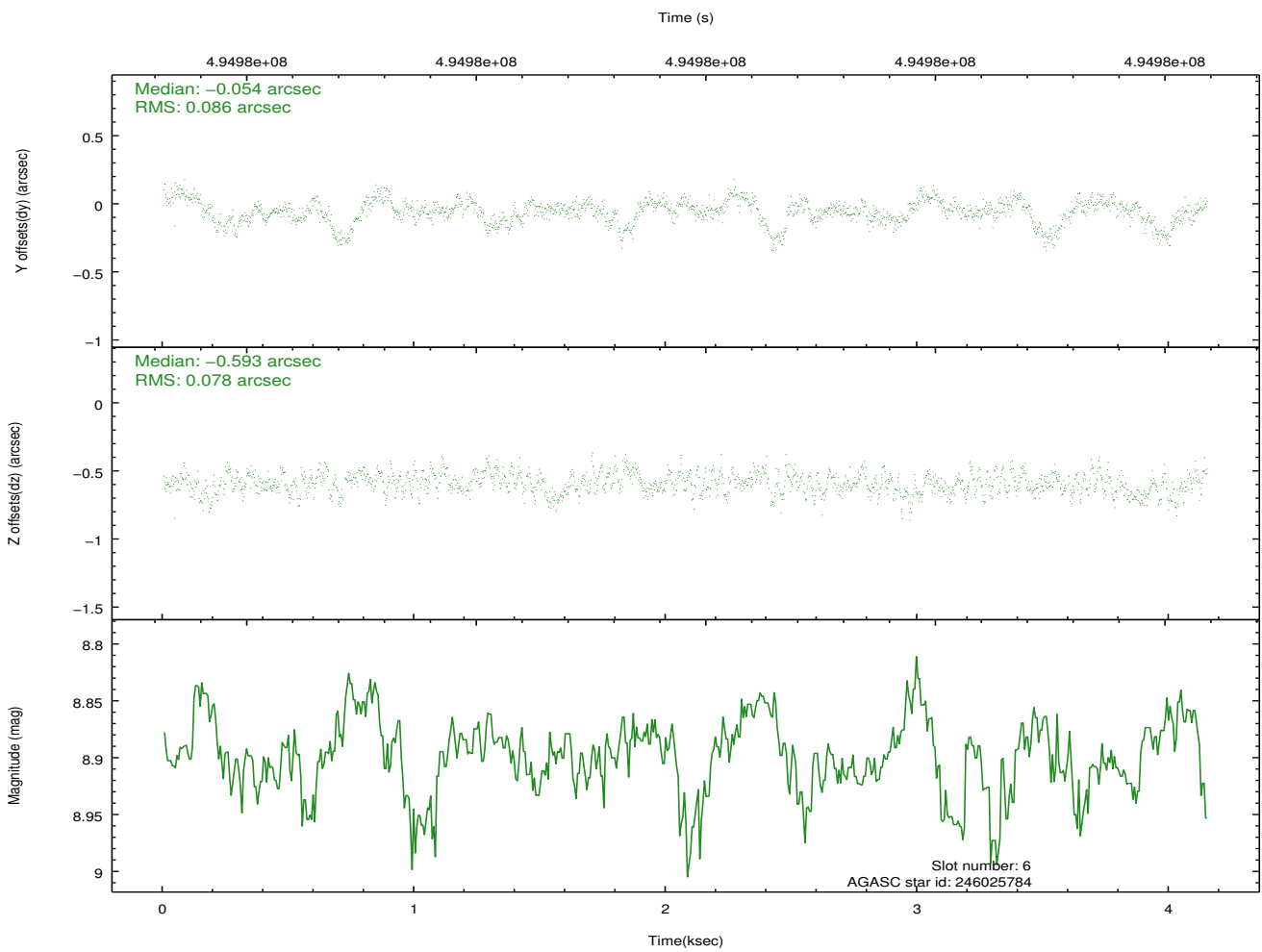
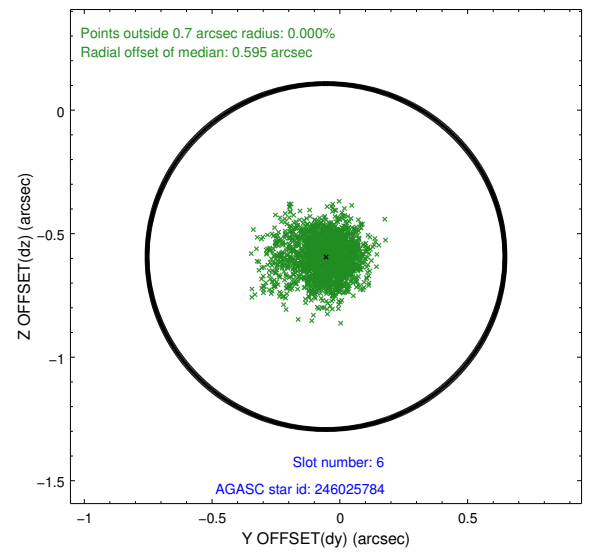
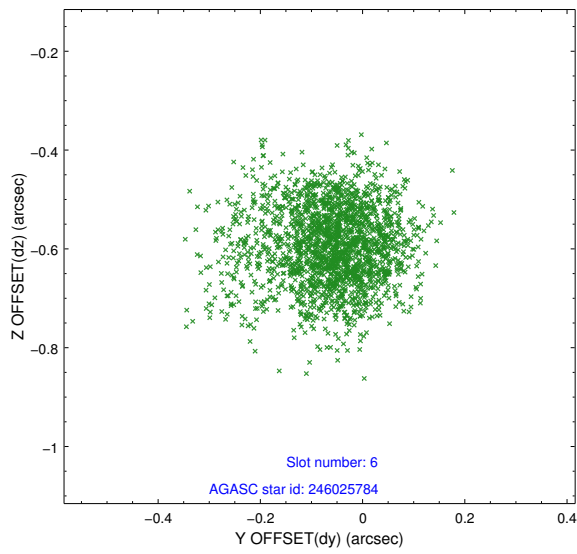
2.4.2 Slot 4



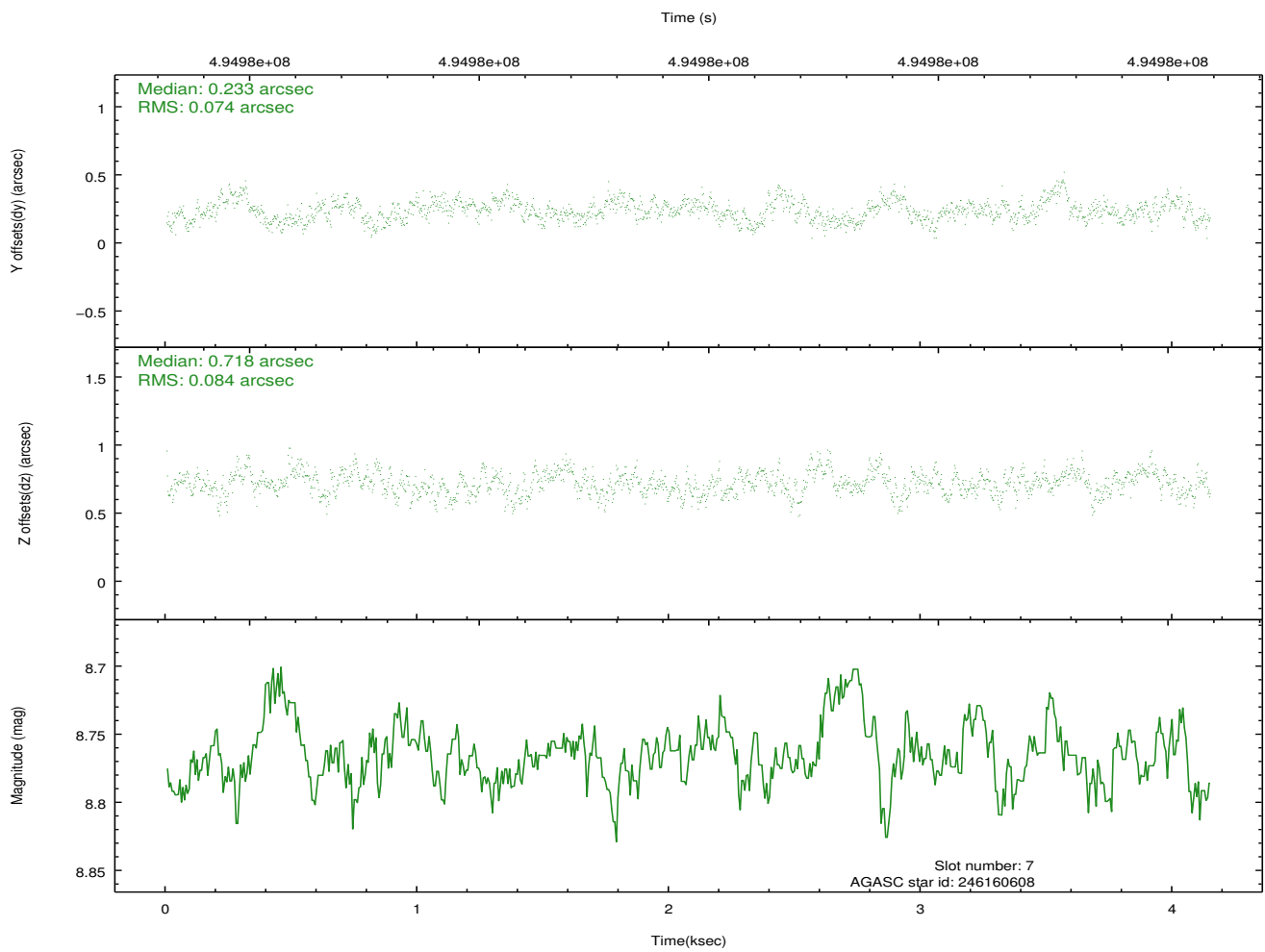
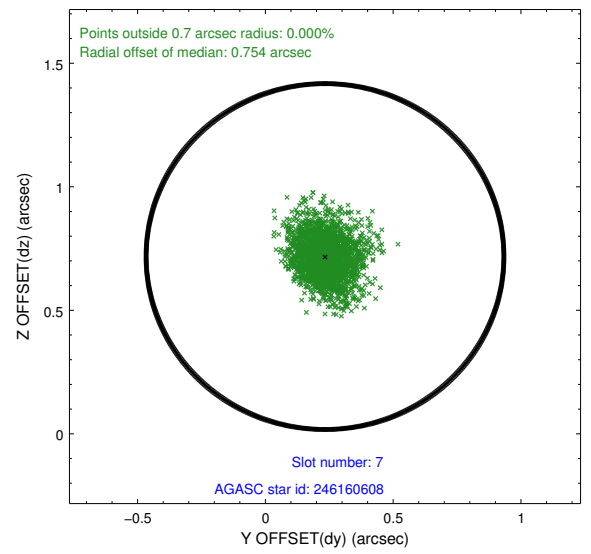
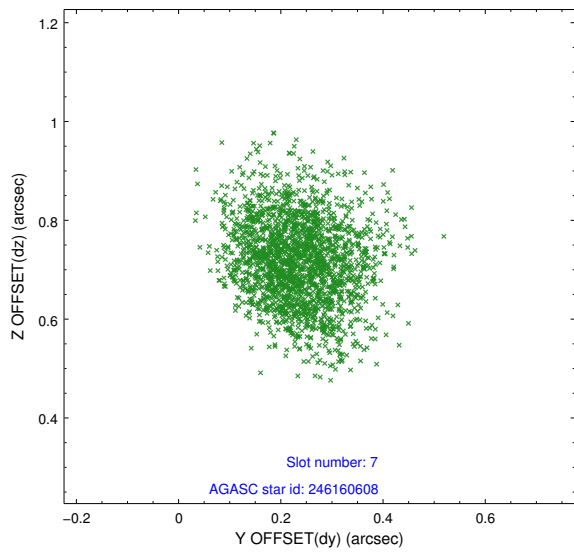
2.4.3 Slot 5



2.4.4 Slot 6

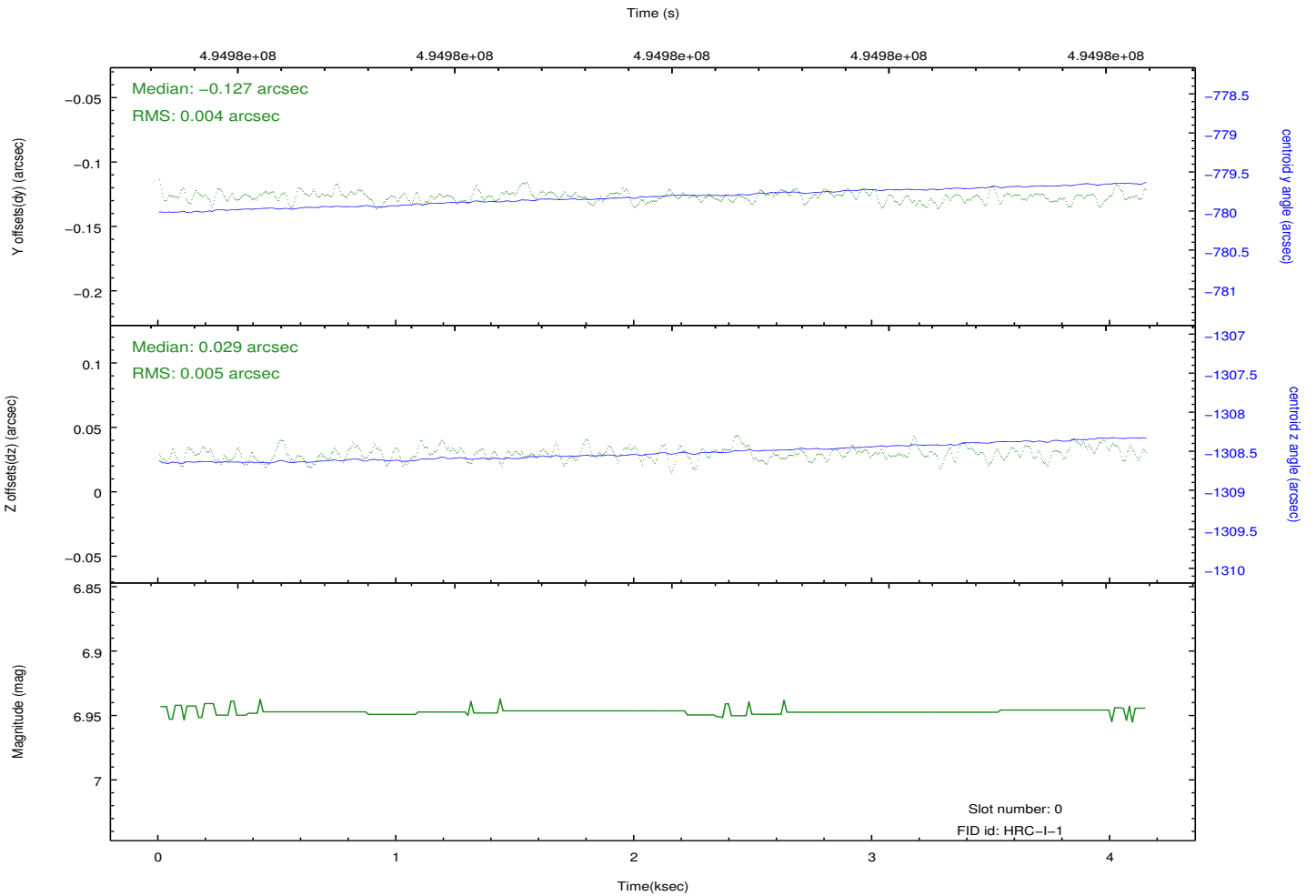
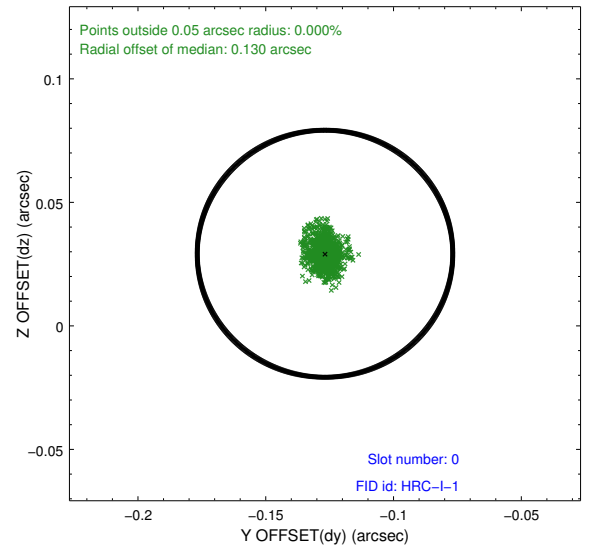
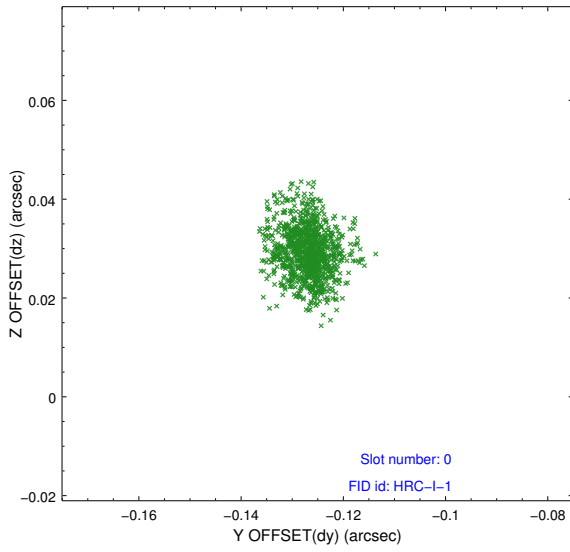


2.4.5 Slot 7

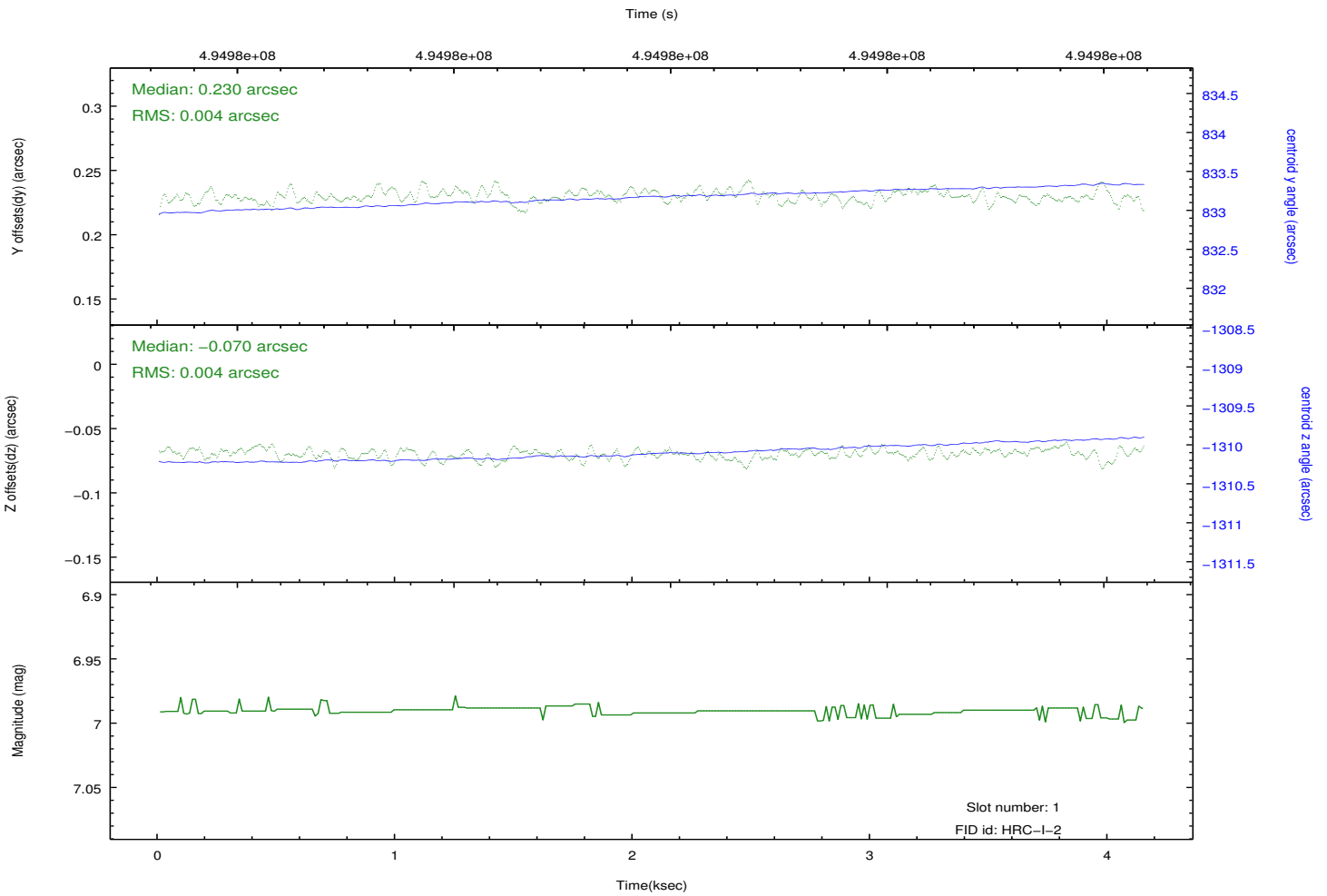
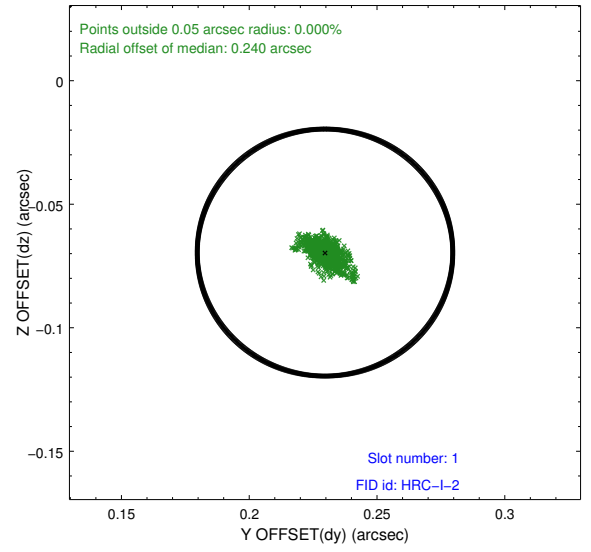
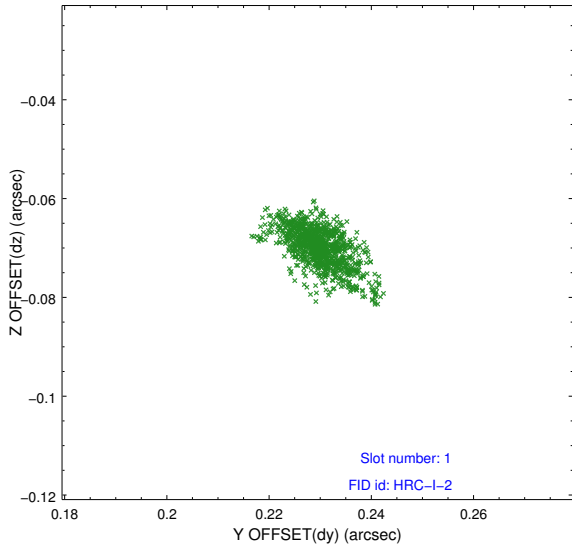


2.5 FID Slots

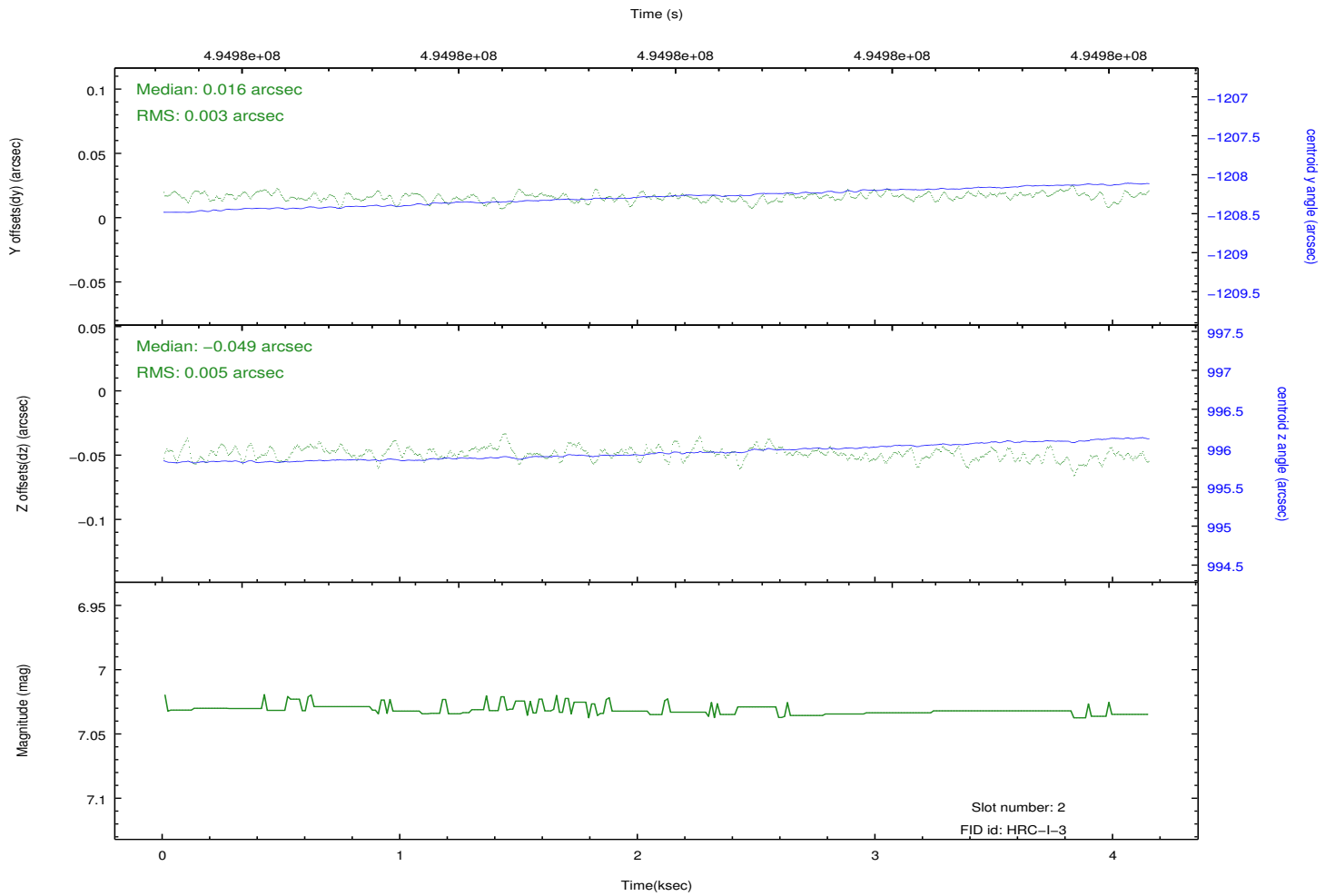
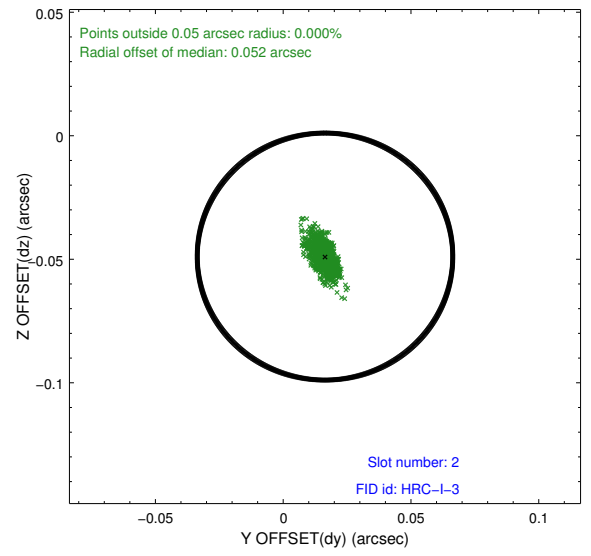
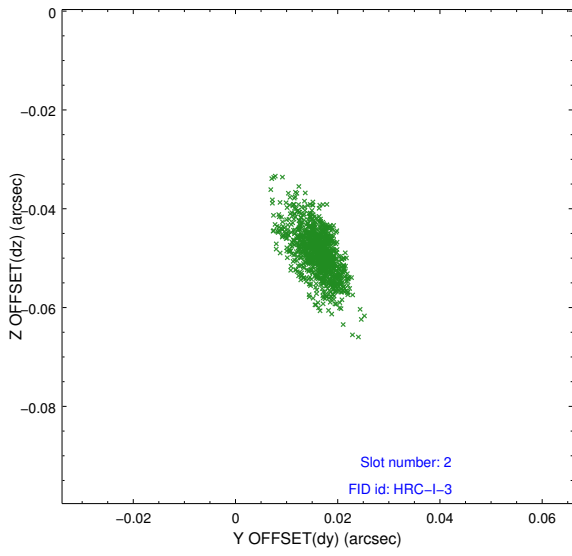
2.5.1 Slot 0



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)	2014.12.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1463814762235

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.