

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9685 - L2 Version 3
Chandra X-Ray Center

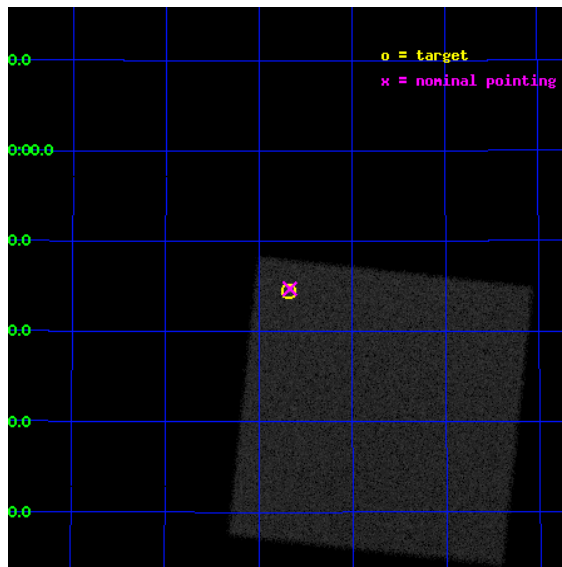
L2 Processing Date : Aug 12 2012

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1 Front

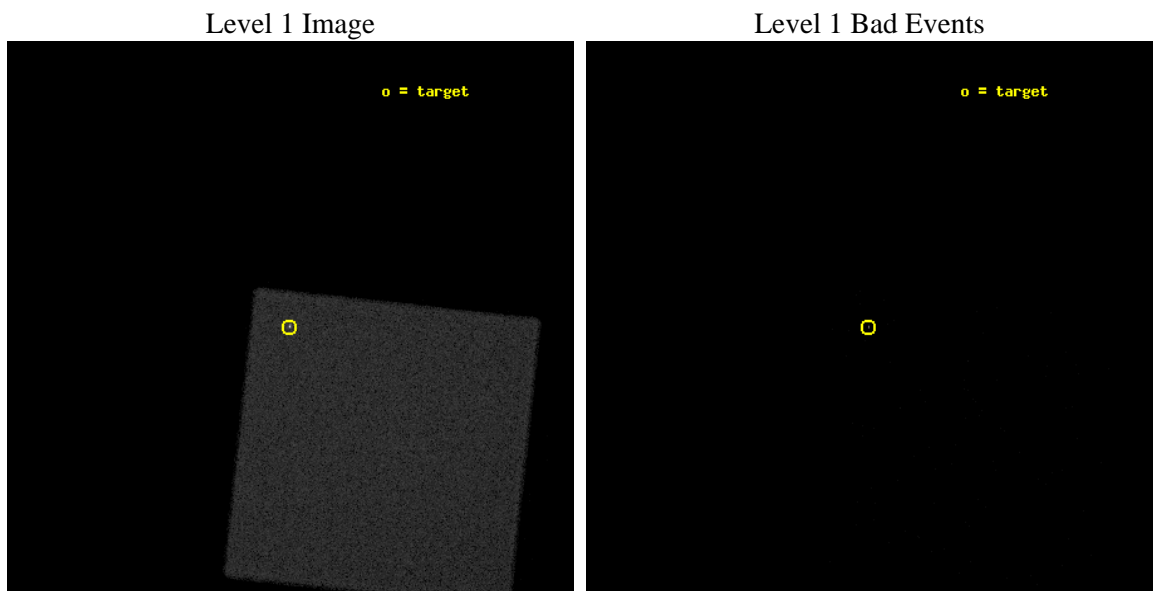
seq_num	290808	Sequence number
obs_id	9685	Observation id
title	AO9 Calibration Observations to Measure the Relative Alignment of the 4 Focal Plane Detectors	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16705509107	Nominal RA [deg]
dec_nom	45.745905746778	Nominal Dec [deg]
roll_nom	141.20662285626	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3182.88140589	[s]
livetime	3148.3730334698	Ontime multiplied by DTCOR
l2events	213501	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3182.88140589	[s]
caldsver	4.5.1.1	 	l1events	329303	Number of level 1 events
date	2012-08-12T14:50:20	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

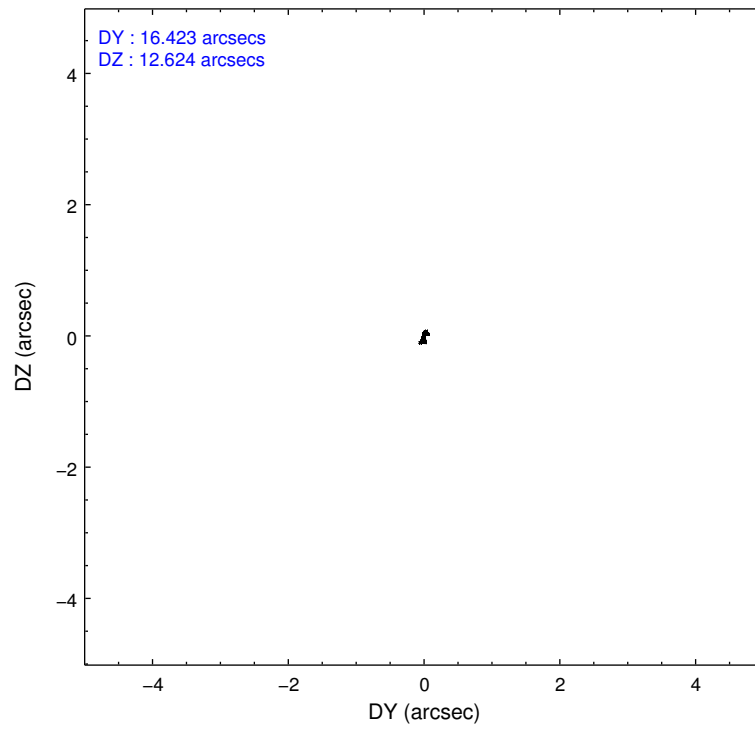
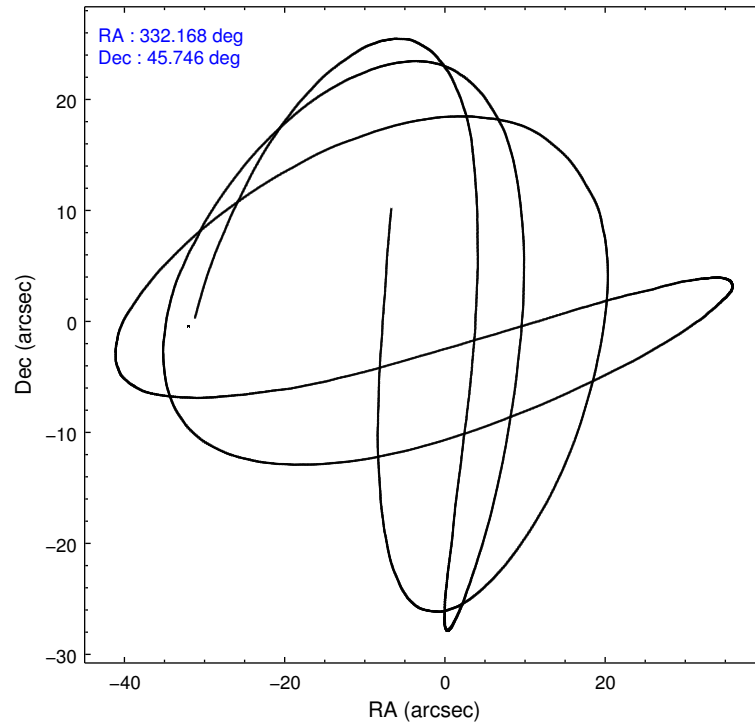
Level 1 Events

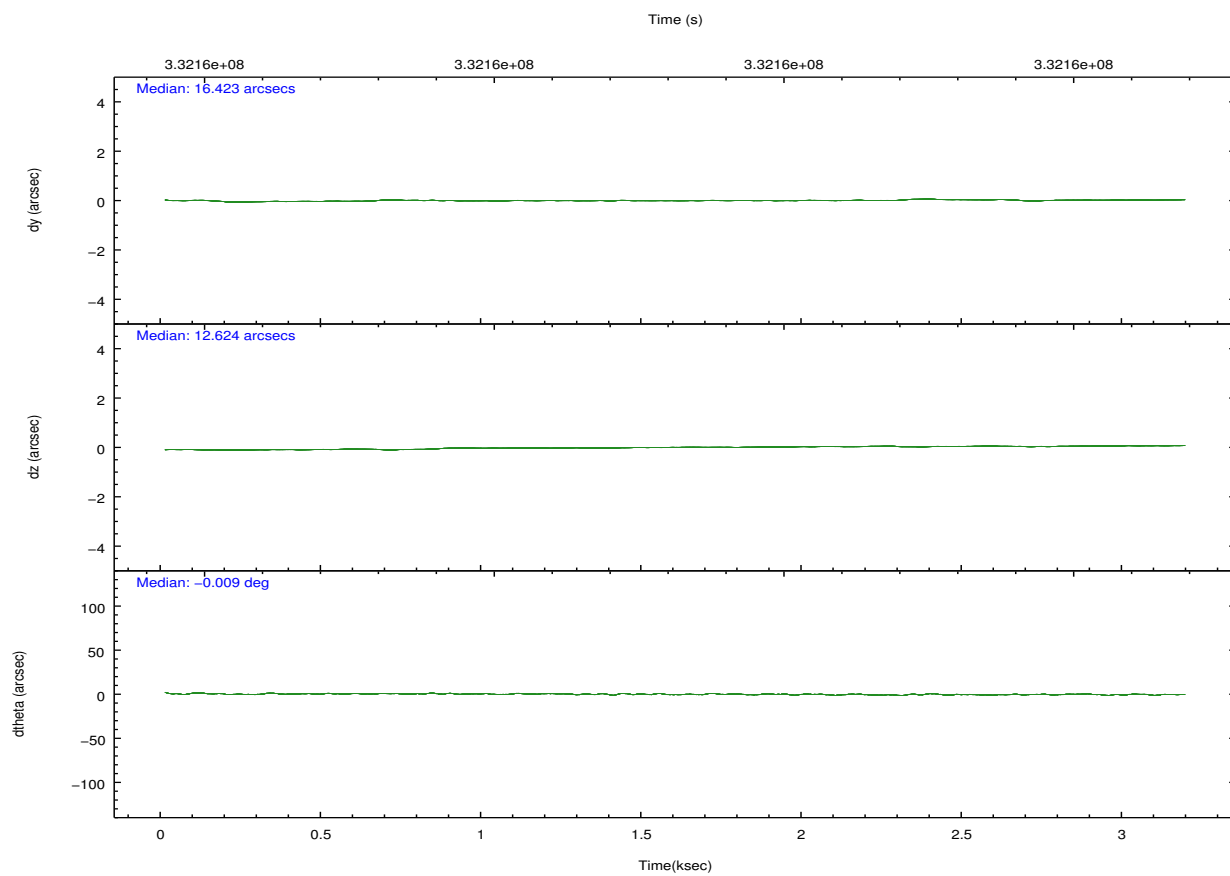
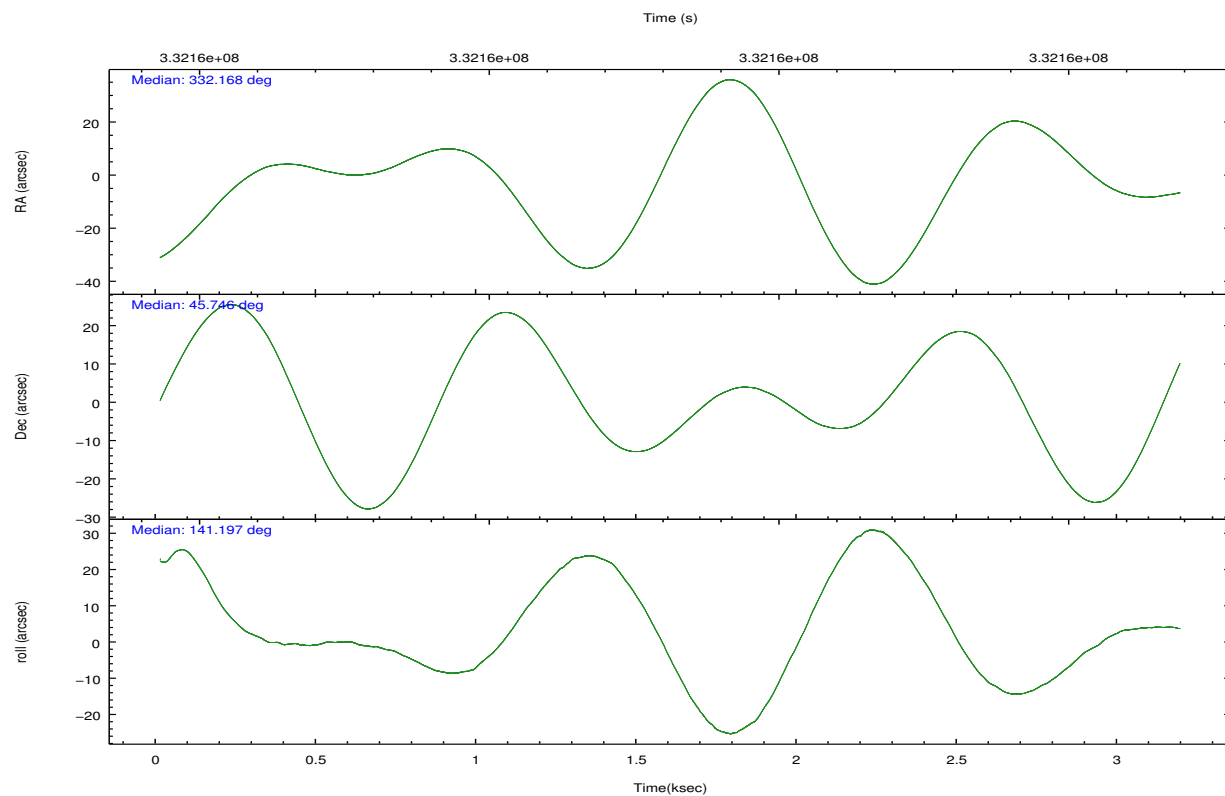
	segment 0
level 1 events	329303
rejected events	21582
rejected %	6%

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	332.205657	332.1670550910652			
[deg] Pointing Dec	45.742426	45.74590574677842			
[deg] Pointing Roll	141.274464	141.2066228562592			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	76.985494	76.98079158786253			
[mm] SIM translation stage offset	50	50.00469730373904			
[s] Observation start time (MET)	332161222.184000	332160845.99981			
Observation start date	2008-07-11T10:59:17	2008-07-11T10:54:05			
[s] Observation end time (MET)	332164222.184000	332164434.01248			
Observation end date	2008-07-11T11:49:17	2008-07-11T11:53:54			

2.3 Aspect



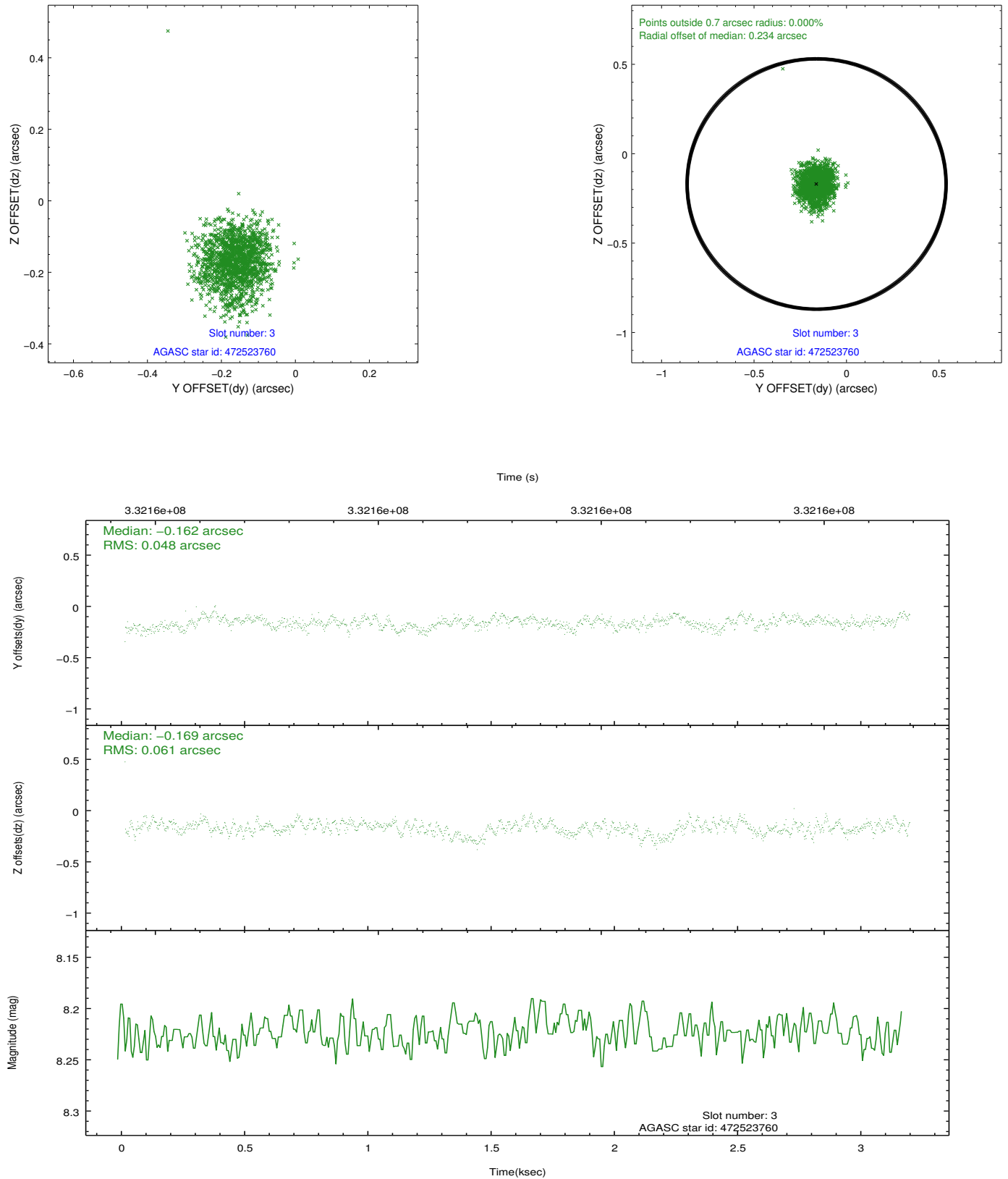


Slot Statistics

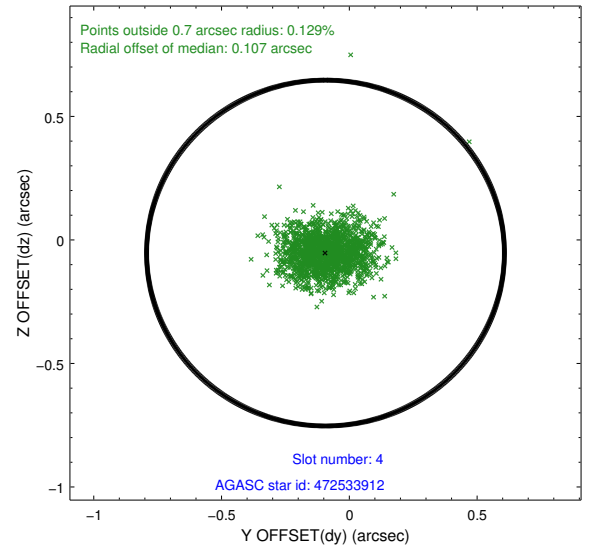
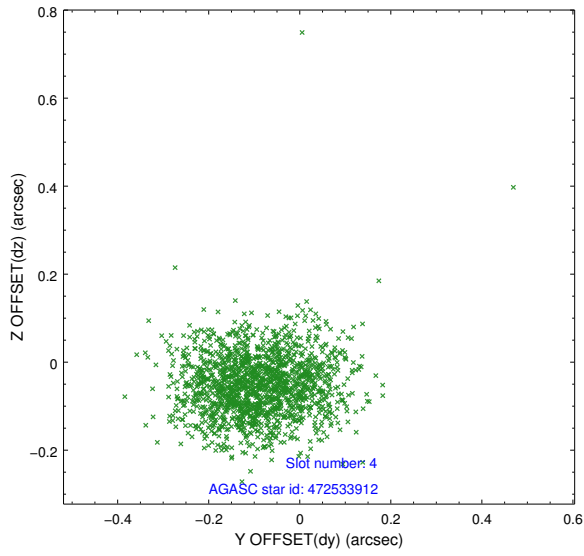
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	777	-0.439	-0.277	0.008	0.014	0.000000	0.000000	-770.64	-278.24
1	FID	HRC-I-3	7.02	777	0.206	-0.271	0.008	0.012	0.000000	0.000000	-1203.10	2030.94
2	FID	HRC-I-4	6.90	777	0.348	0.453	0.005	0.009	0.000000	0.000000	1267.77	2033.01
3	GUIDE	472523760	8.22	1553	-0.162	-0.169	0.081	0.130	331.645363	45.403260	344.24	1834.75
4	GUIDE	472533912	9.15	1554	-0.093	-0.053	0.123	0.197	331.791136	46.368695	2216.31	-1115.27
5	GUIDE	472654568	9.42	1551	0.104	-0.109	0.110	0.181	332.194449	45.063576	-1504.88	1923.47
6	GUIDE	472655152	9.42	1550	0.183	0.029	0.123	0.203	332.504239	45.862991	-311.78	-806.65
7	GUIDE	472665256	9.02	1550	-0.035	0.310	0.088	0.144	332.808125	46.195041	-147.74	-2214.92

2.4 Star Slots

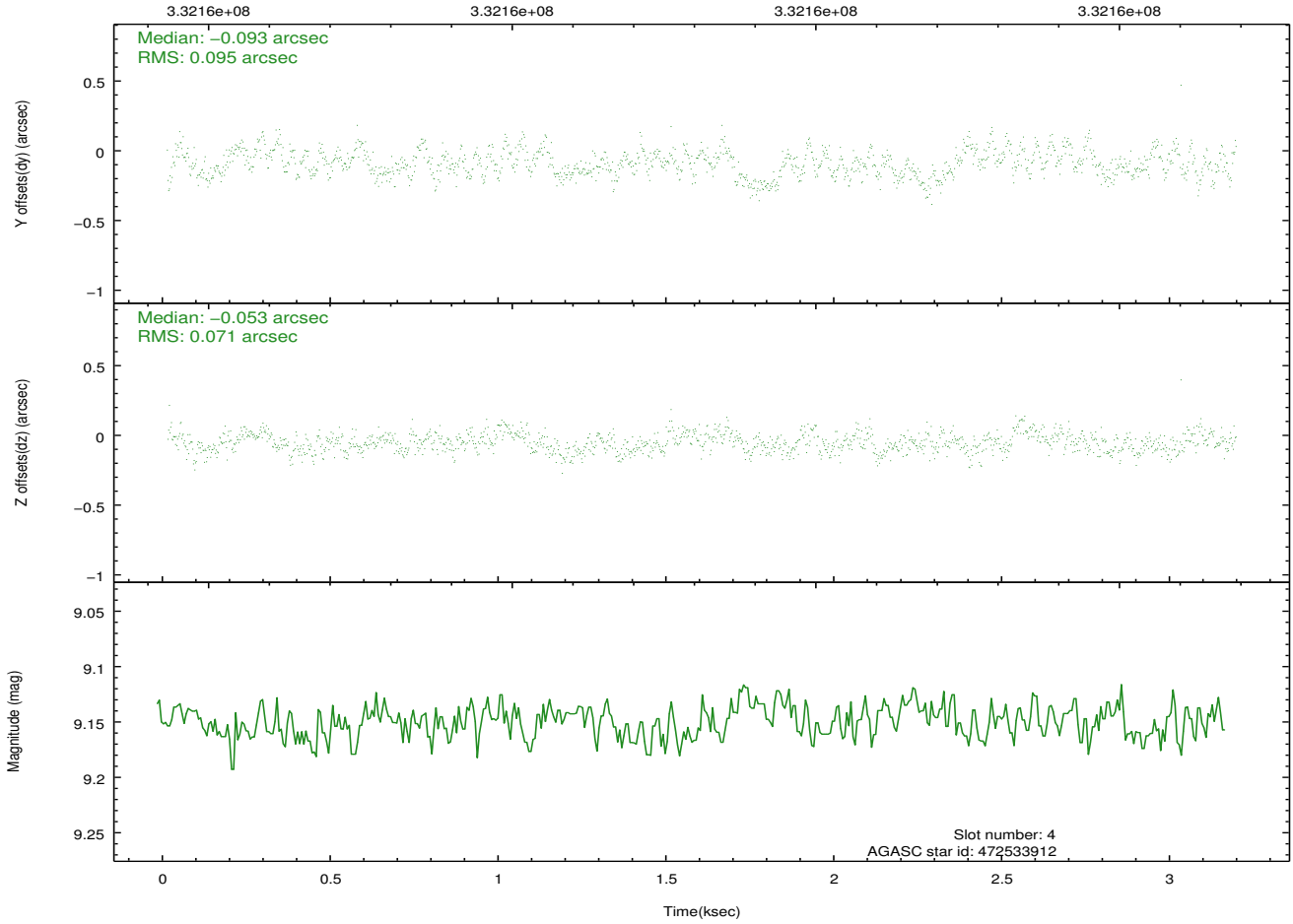
2.4.1 Slot 3



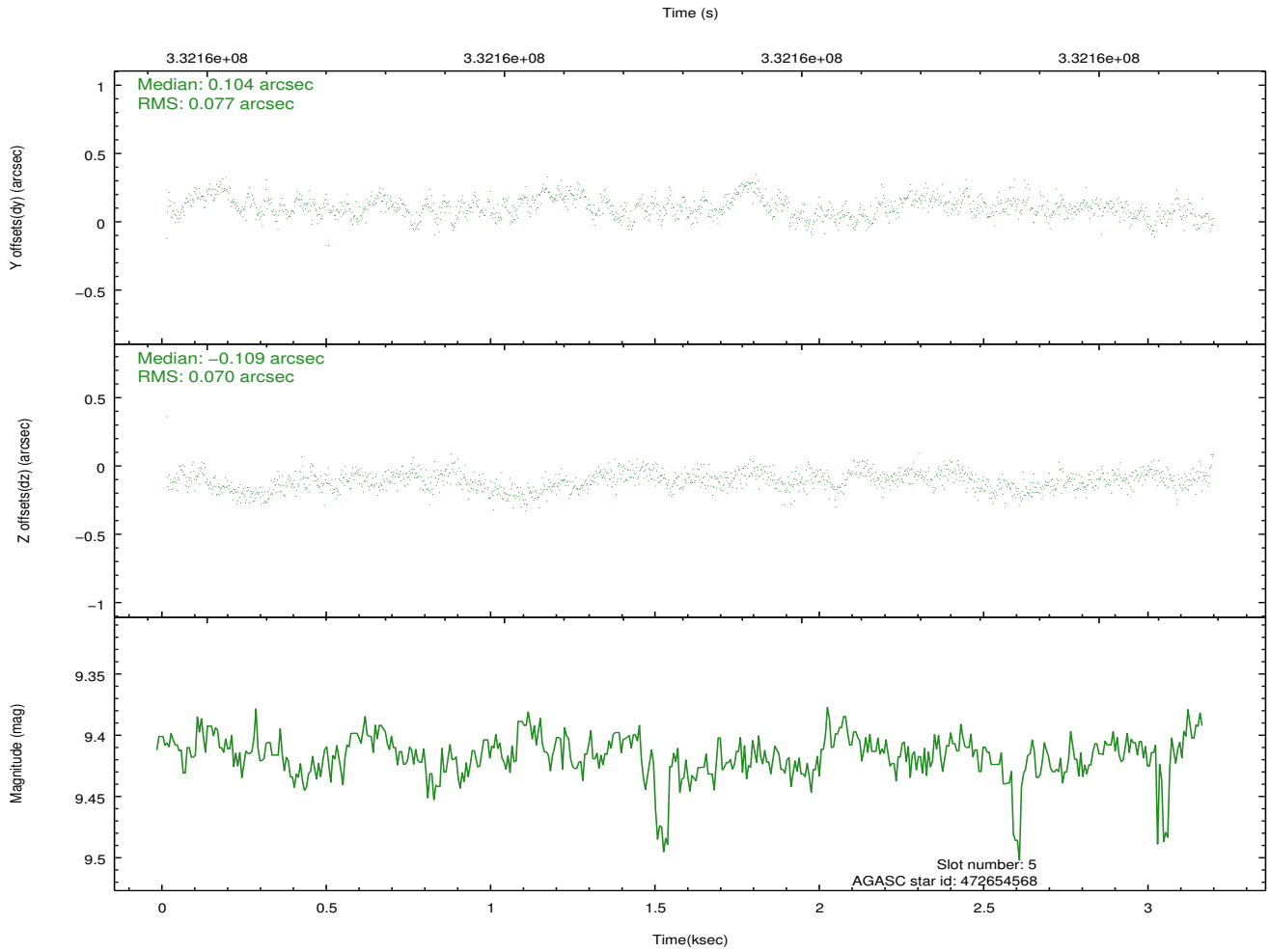
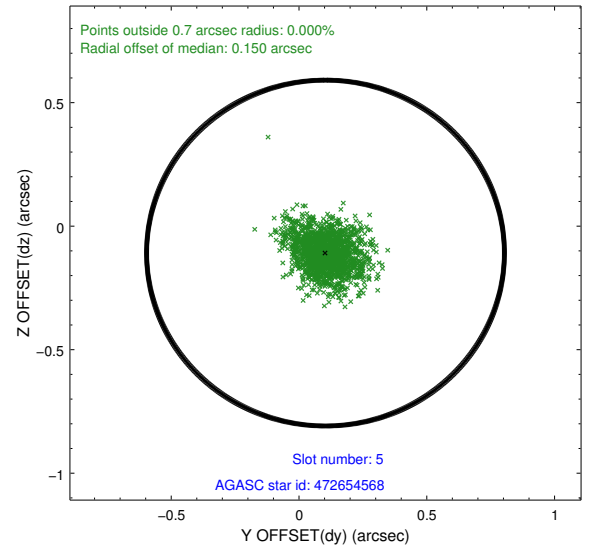
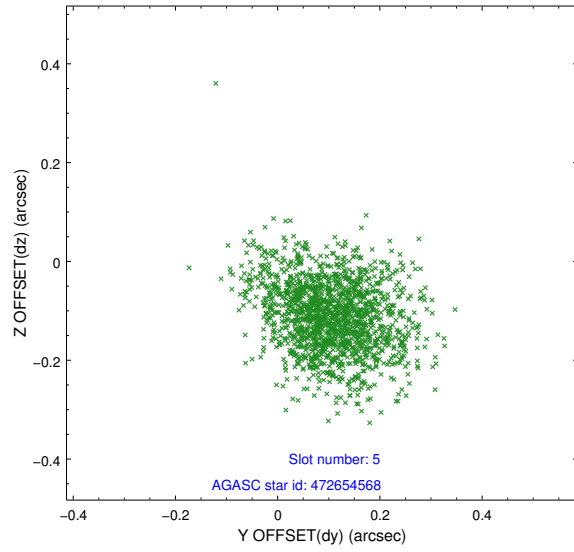
2.4.2 Slot 4



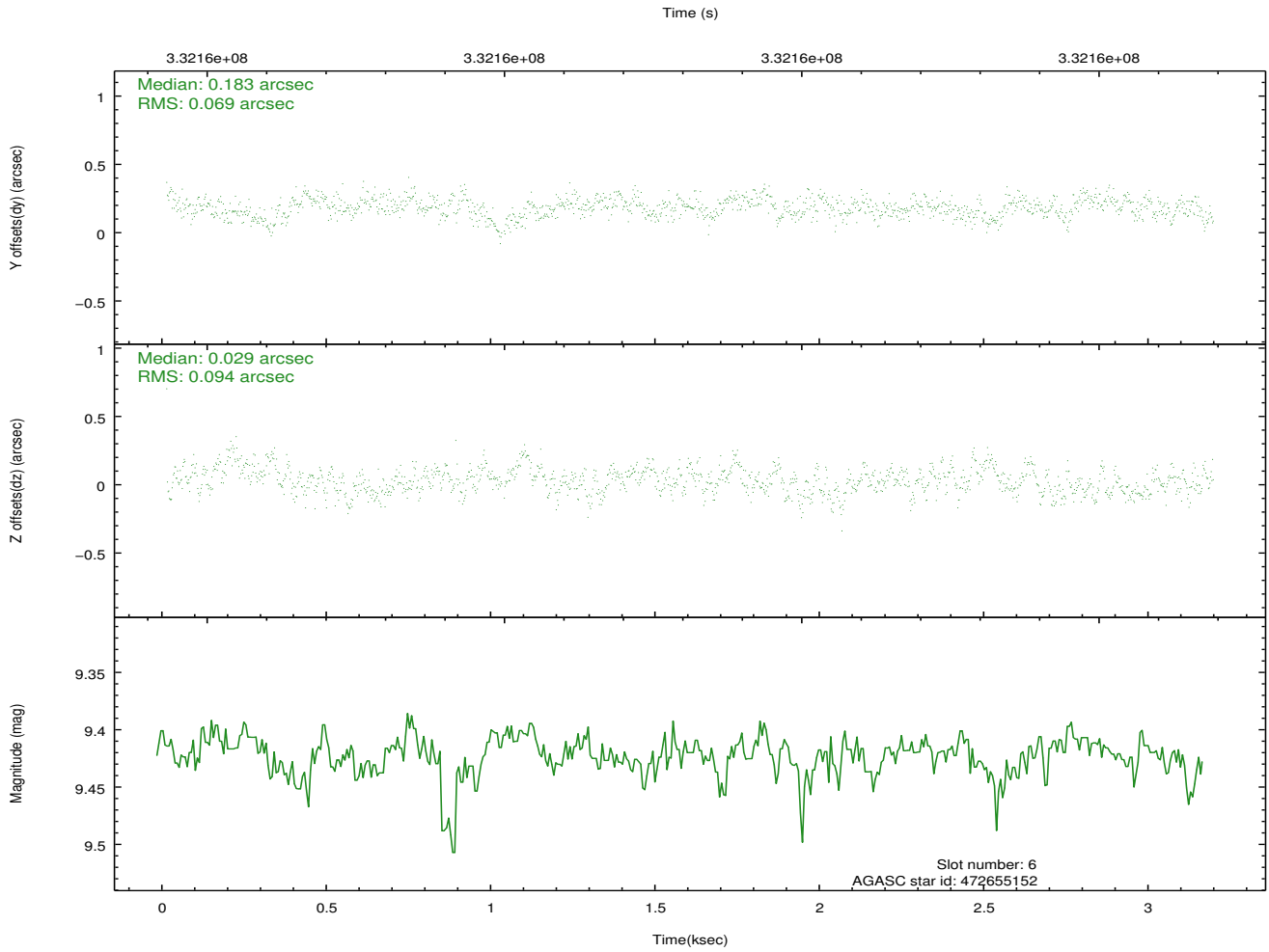
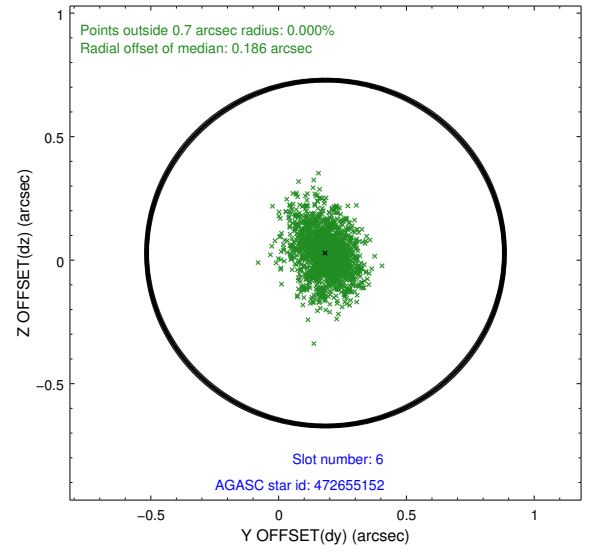
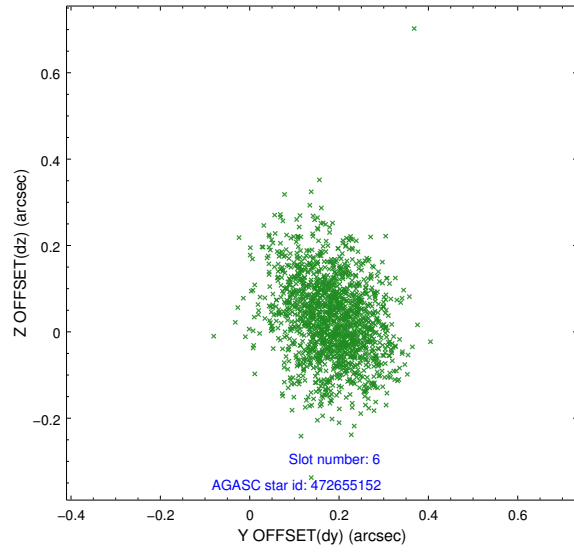
Time (s)



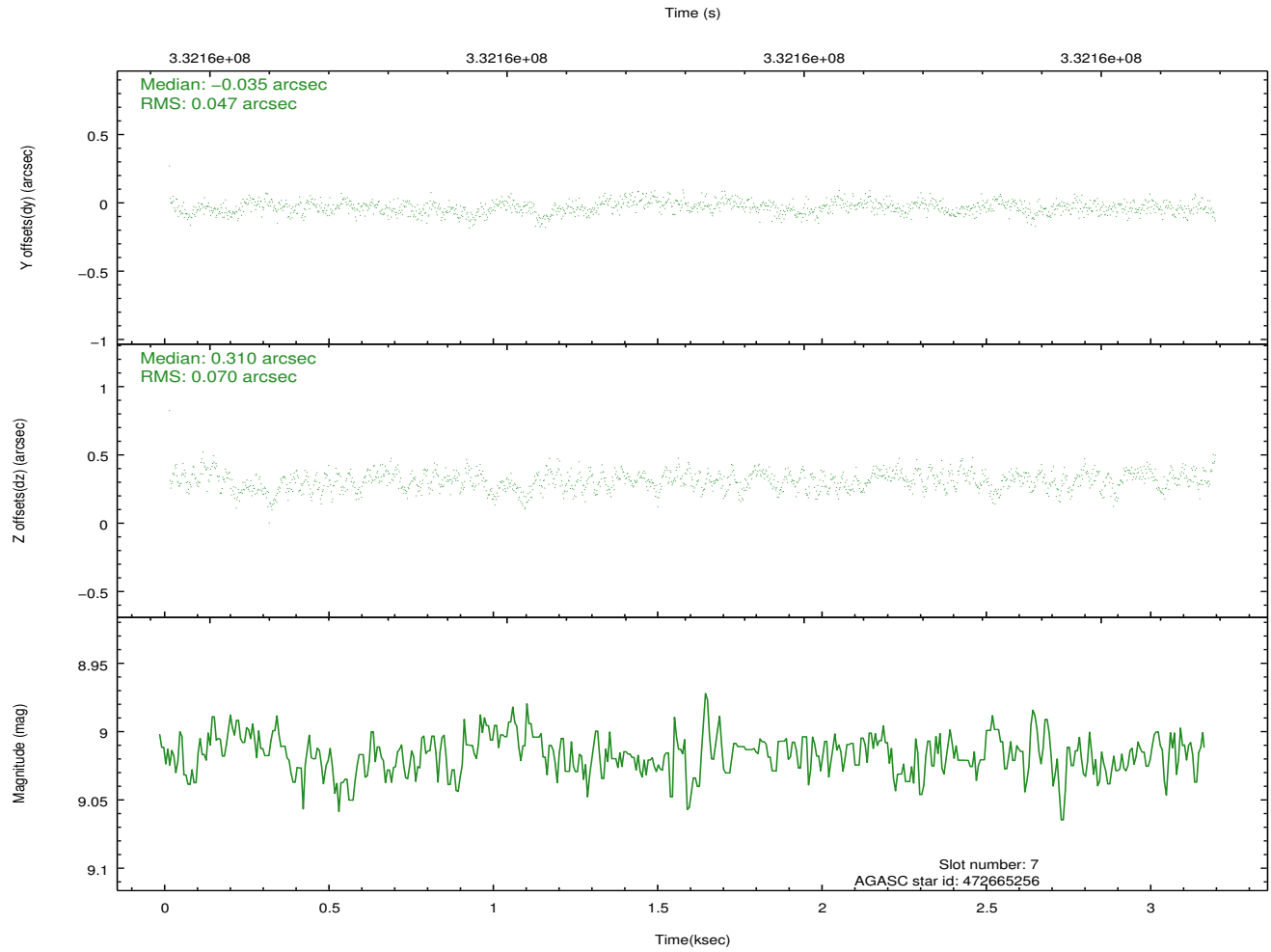
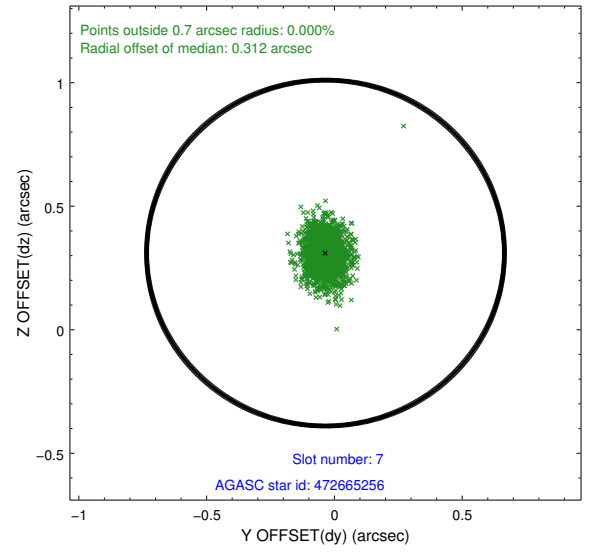
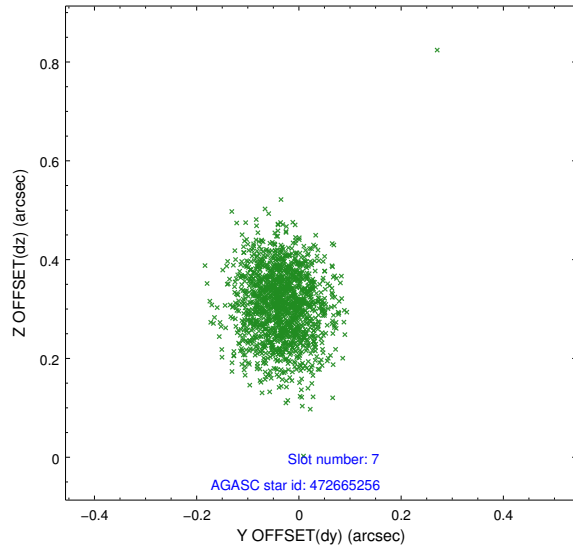
2.4.3 Slot 5



2.4.4 Slot 6

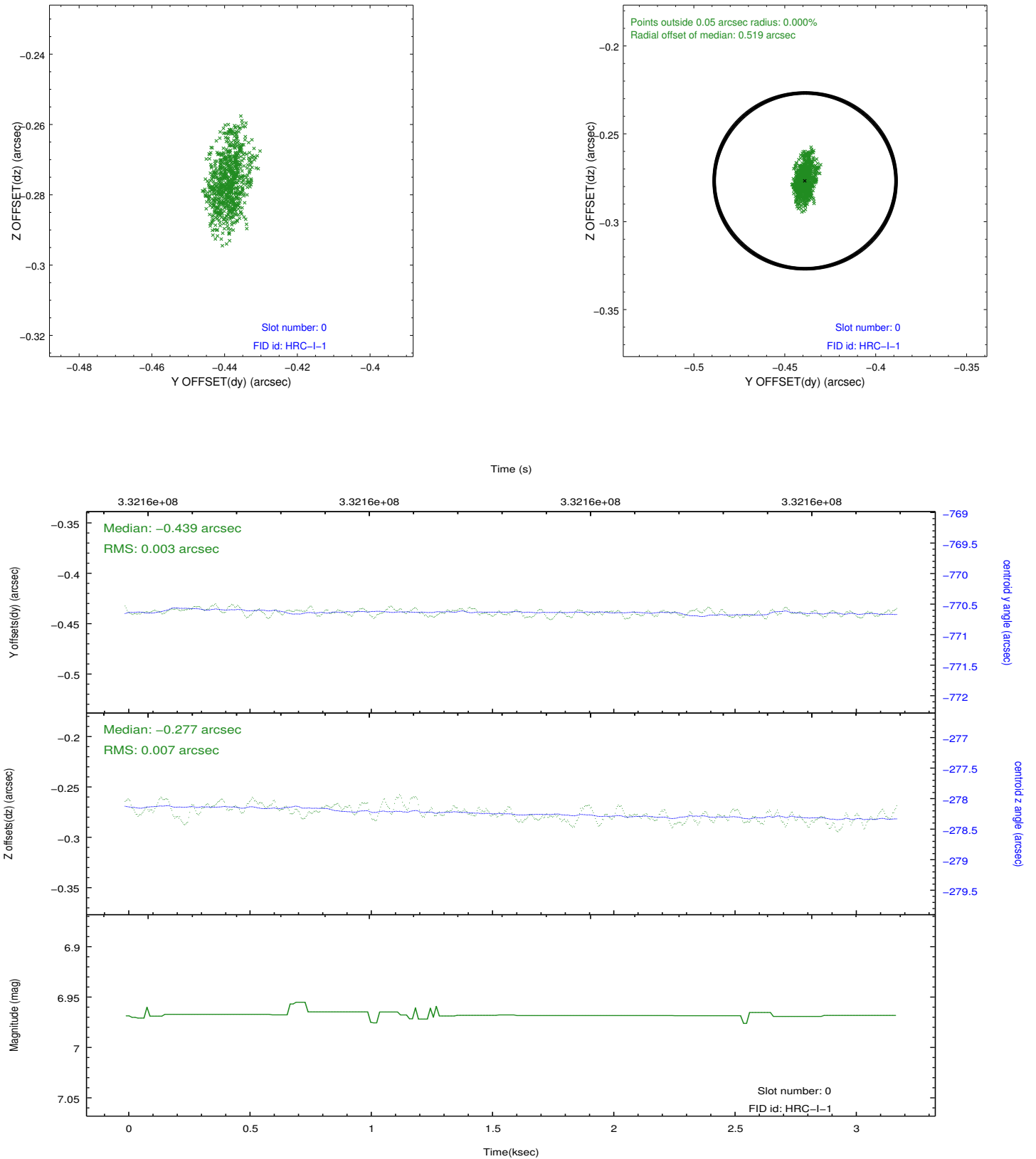


2.4.5 Slot 7

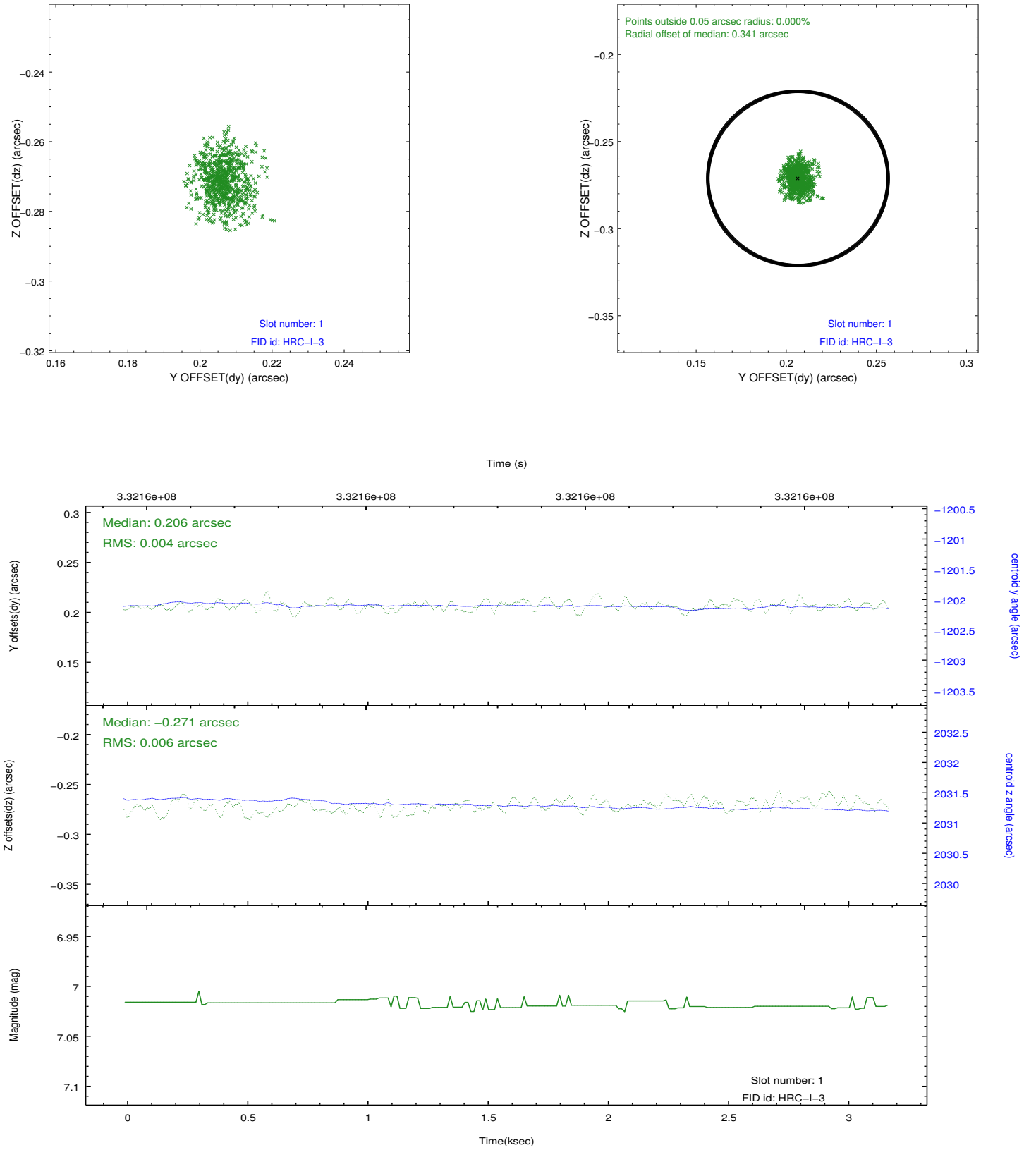


2.5 FID Slots

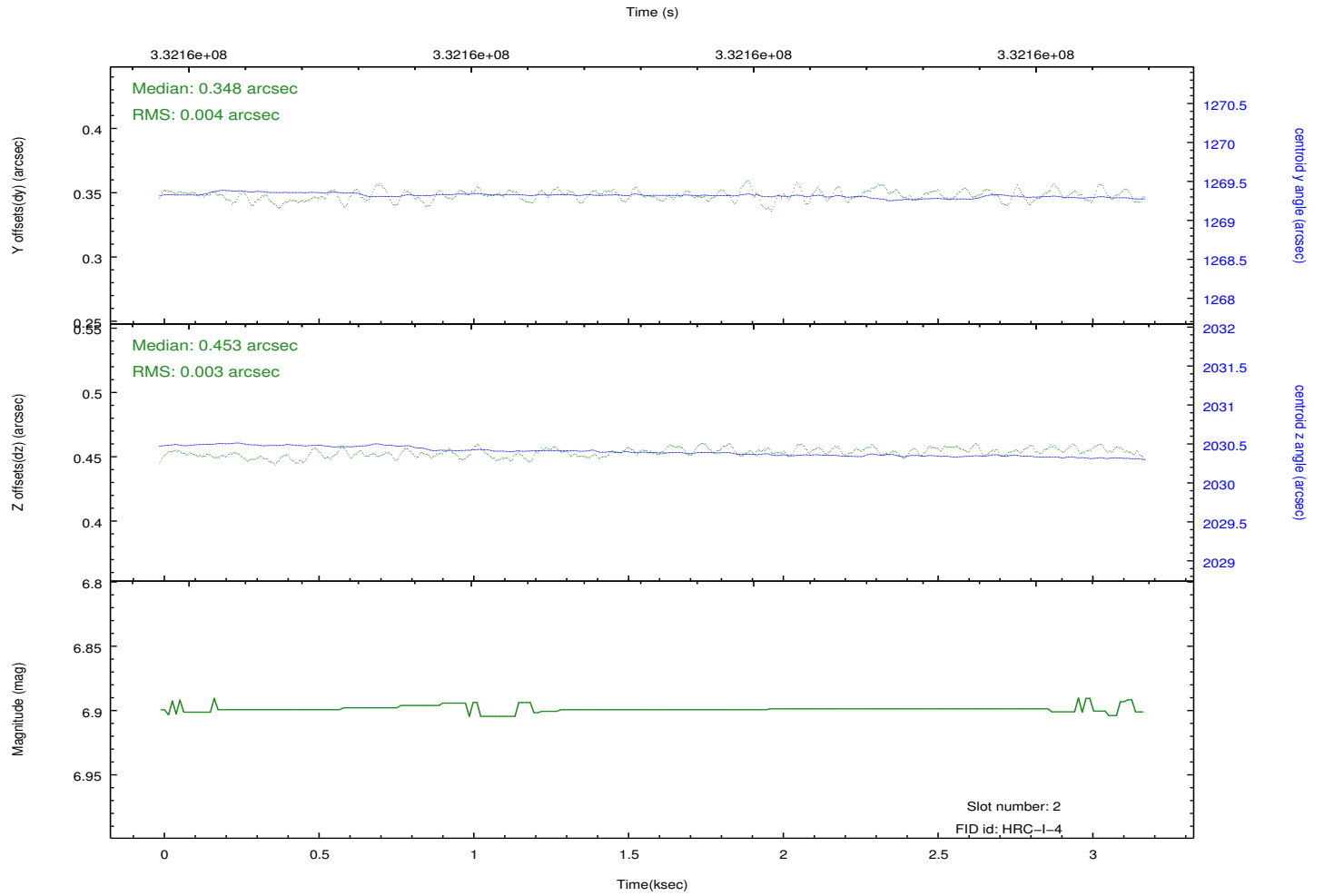
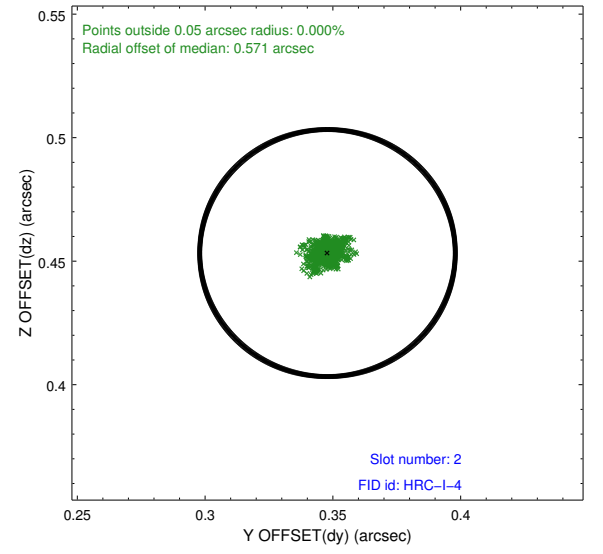
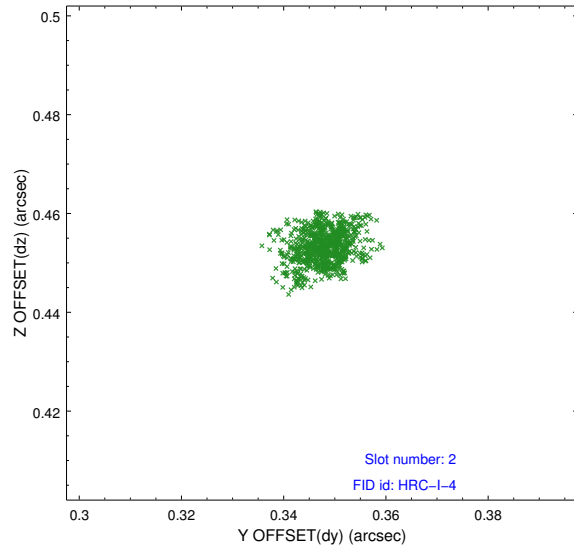
2.5.1 Slot 0



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)	2012.08.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.18262515

A.2 Comments

Obsid 9685 is a 3ks HRC-I CAL observation with a SIM offset of 50.00 [mm]. The fid median radial offsets of 0.519 arcsec (slot 0) and 0.571 arcsec (slot 2) are not a problem for Aspect.