

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16398 - L2 Version 1
Chandra X-Ray Center

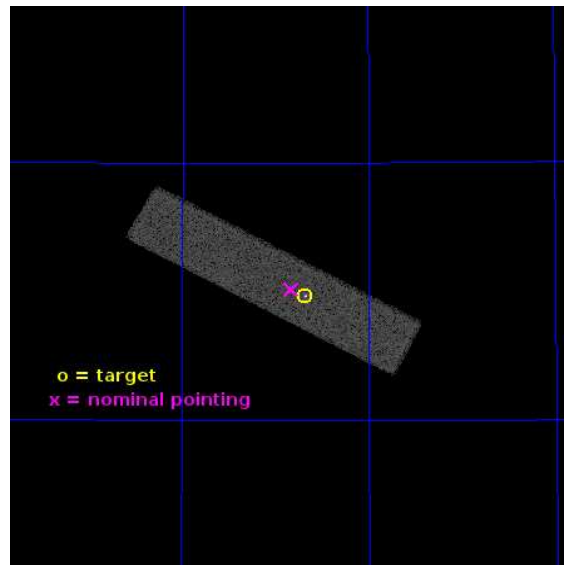
L2 Processing Date : Sep 16 2014

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1 Front

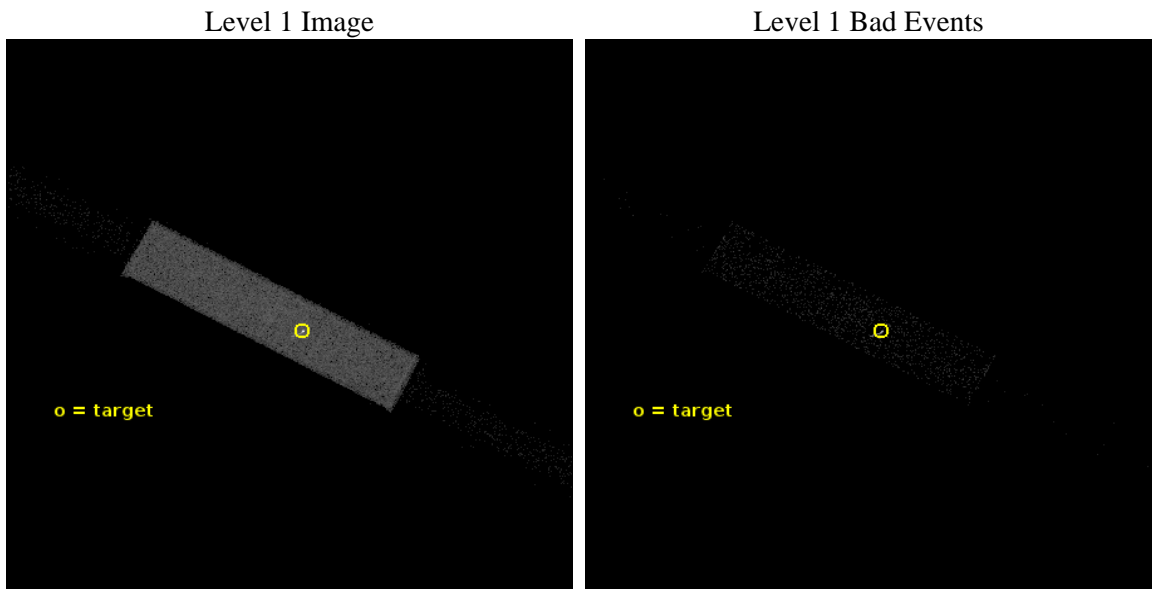
seq_num	291170	Sequence number
obs_id	16398	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.2068966778	Nominal RA [deg]
dec_nom	45.75469621231	Nominal Dec [deg]
roll_nom	208.01504355655	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1157.4813143015	[s]
livetime	1150.9290124331	Ontime multiplied by DTCOR
l2events	48771	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	1157.4813143015	[s]
caldsver	4.6.3	 	l1events	76375	Number of level 1 events
date	2014-09-17T03:24:06	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

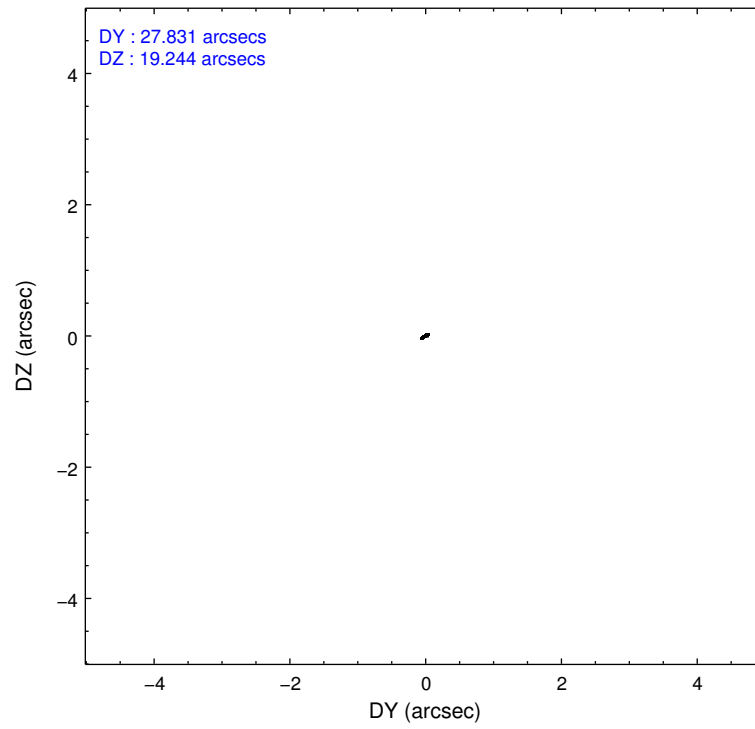
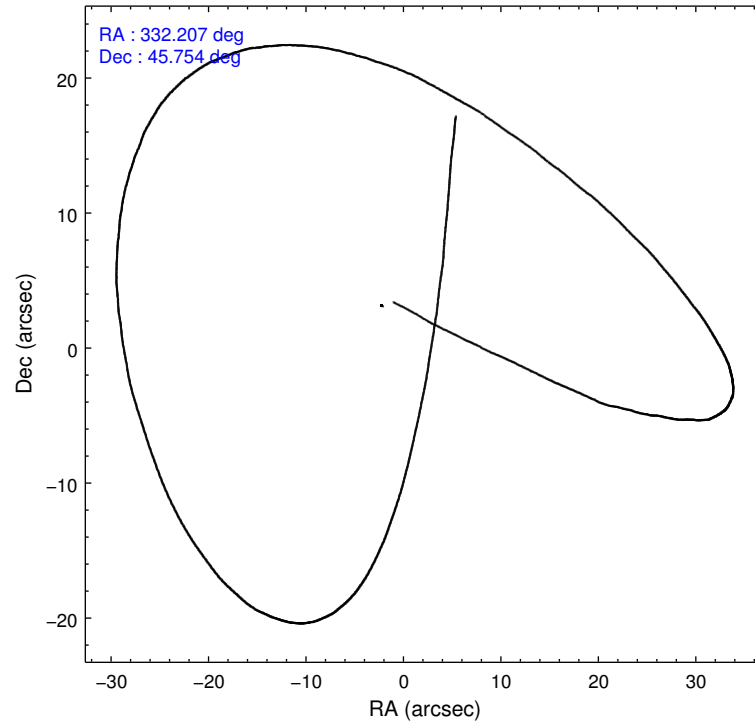
Level 1 Events

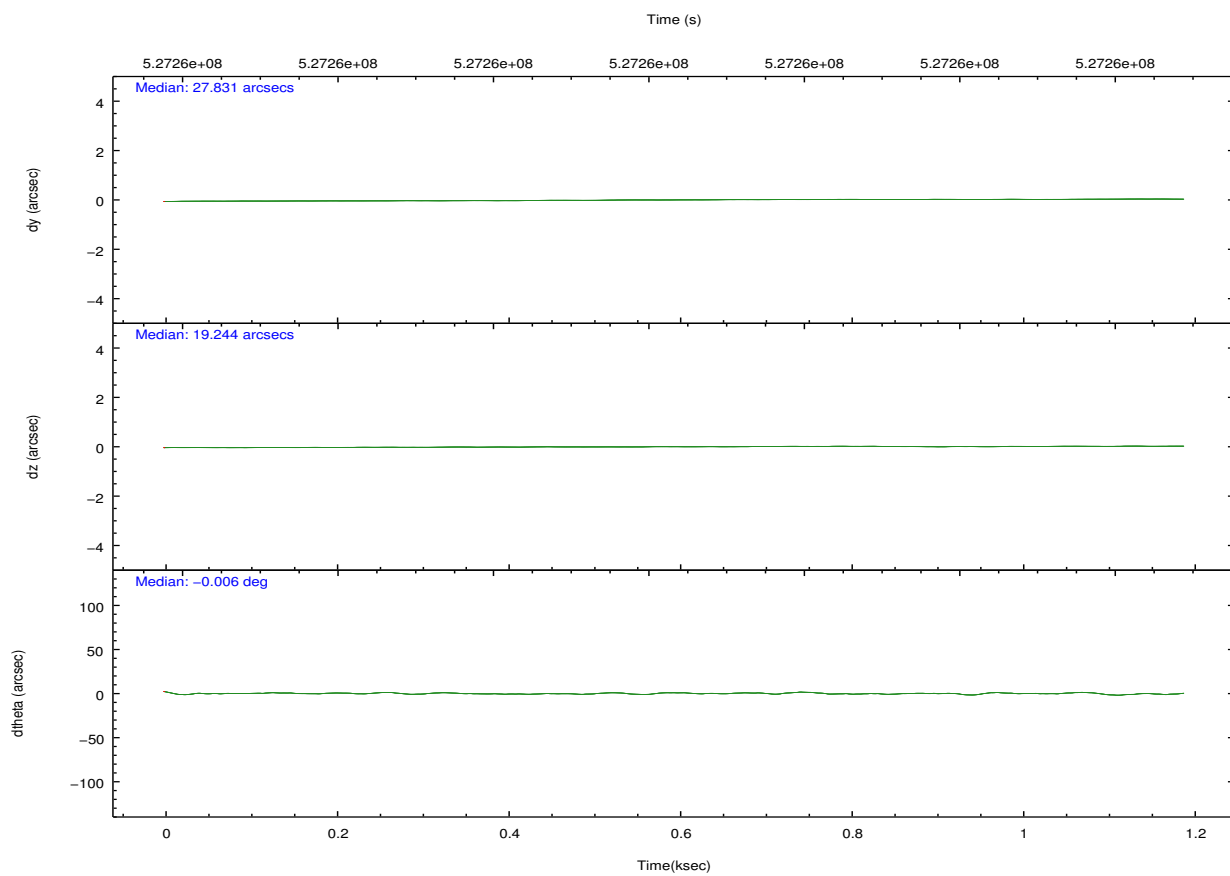
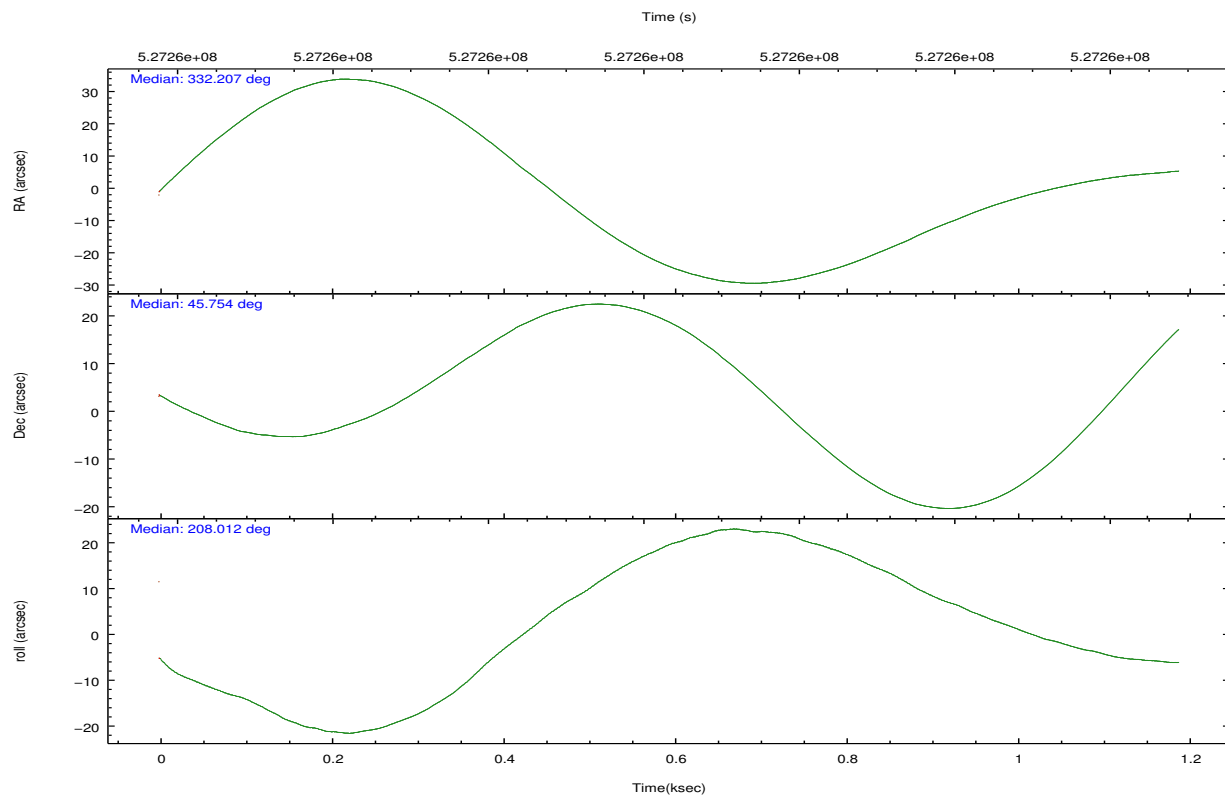
	segment 1	segment 2	segment 3
level 1 events	647	75151	577
rejected events	647	17138	577
rejected %	100%	22%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.226151	332.2068966778008			
[deg] Pointing Dec	45.780835	45.75469621231044			
[deg] Pointing Roll	207.933900	208.0150435565485			
[mm] SIM focus pos	-1.533336	-1.526339935833849			
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	527258428.184000	527258051.5901			
Observation start date	2014-09-16T12:39:21	2014-09-16T12:34:11			
[s] Observation end time (MET)	527259428.184000	527259561.41518			
Observation end date	2014-09-16T12:56:01	2014-09-16T12:59:21			

2.3 Aspect



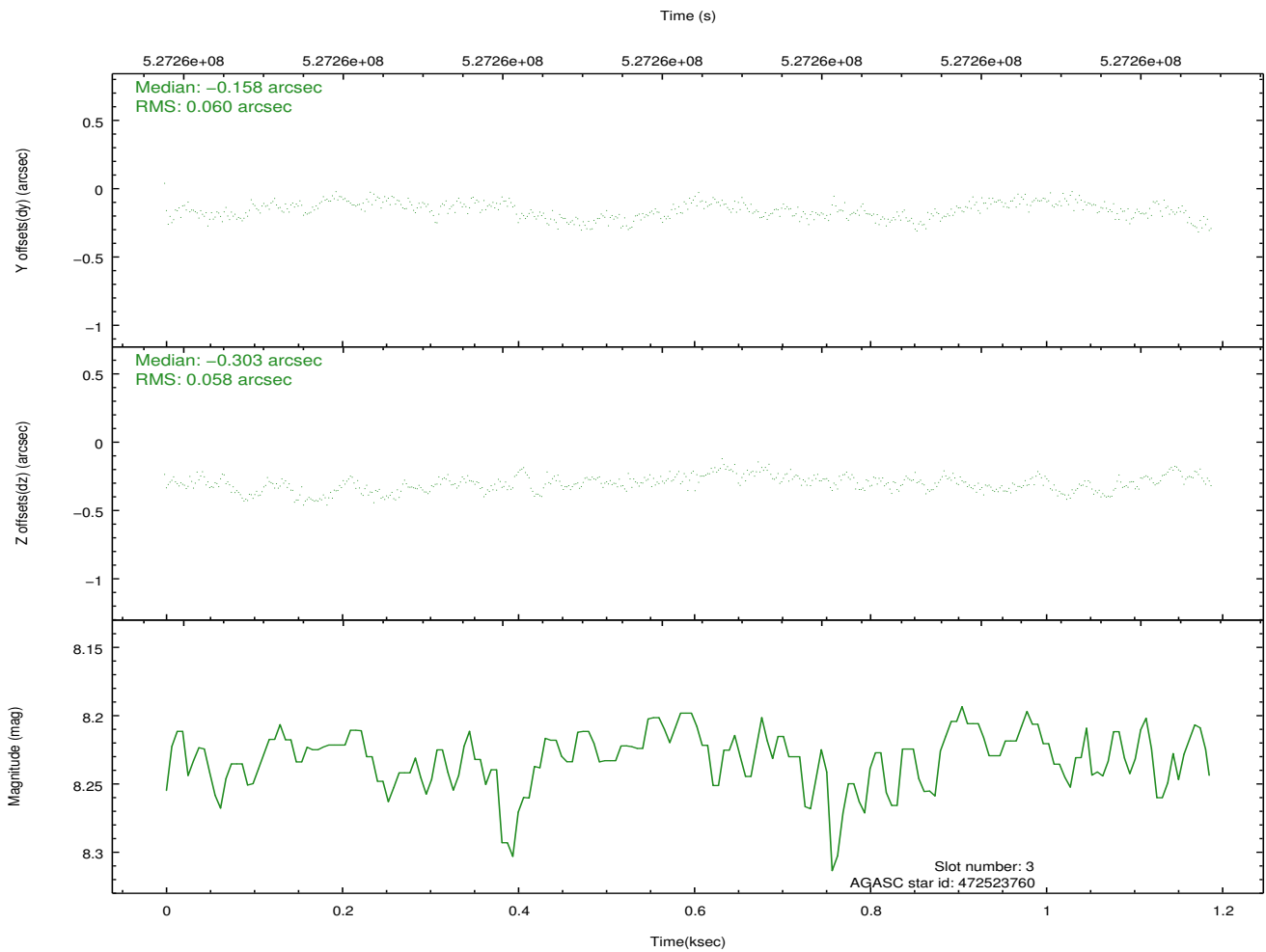
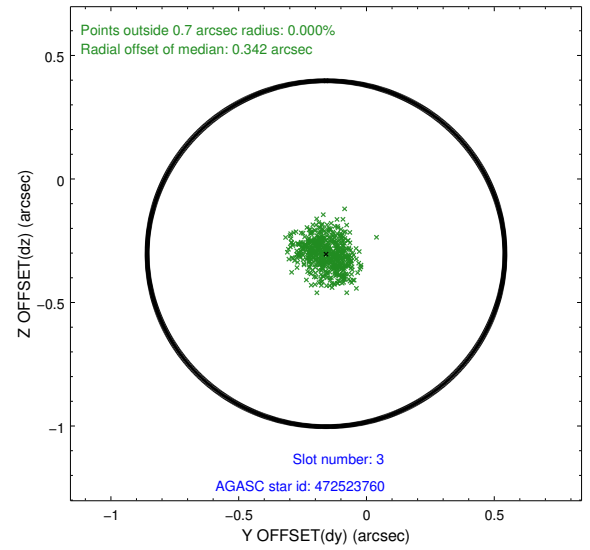
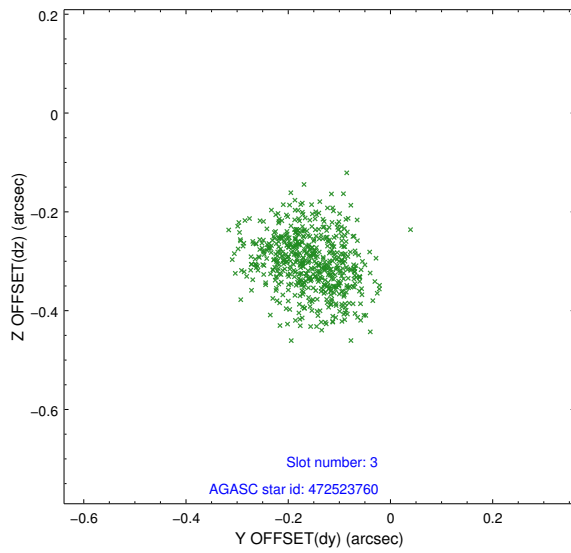


Slot Statistics

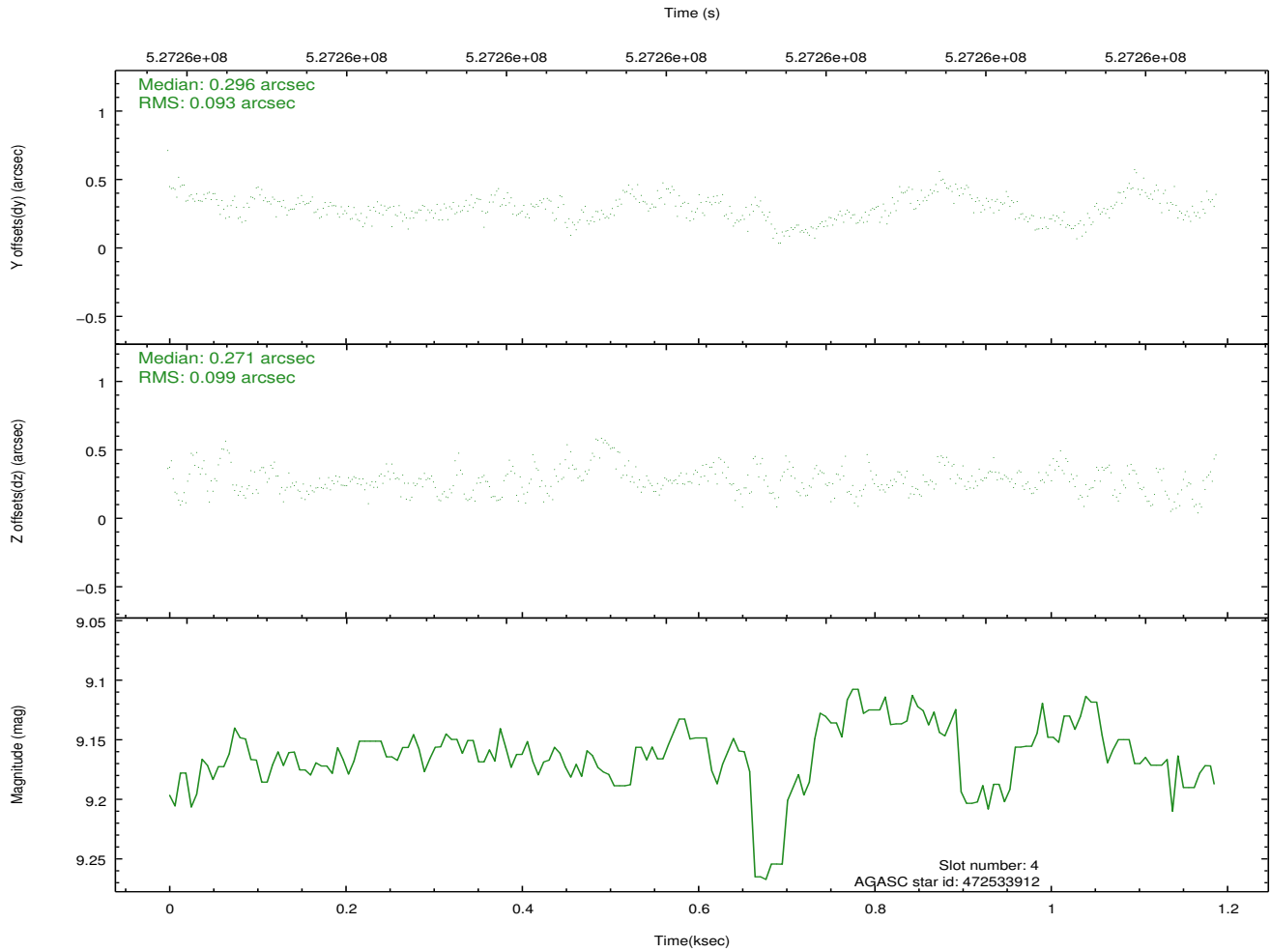
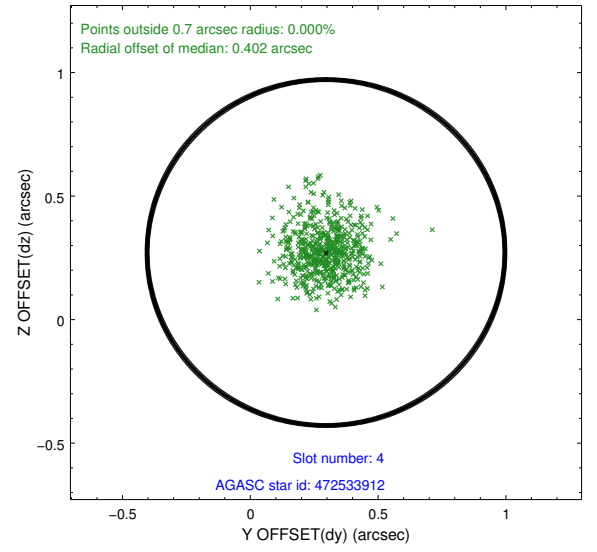
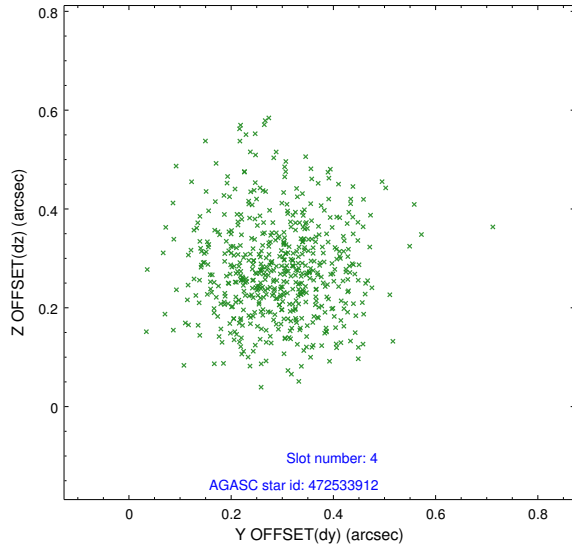
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.07	291	0.006	-0.202	0.007	0.012	0.000000	0.000000	-1182.61	-468.36
1	FID	HRC-S-2	7.04	291	0.351	-0.142	0.005	0.009	0.000000	0.000000	1213.33	-462.43
2	FID	HRC-S-3	7.07	291	0.032	0.041	0.007	0.012	0.000000	0.000000	-1181.19	559.81
3	GUIDE	472523760	8.23	581	-0.158	-0.303	0.091	0.142	331.645363	45.403260	1932.07	504.45
4	GUIDE	472533912	9.16	581	0.296	0.271	0.145	0.240	331.791136	46.368695	-33.48	-2381.27
5	GUIDE	472655152	9.41	581	0.196	-0.175	0.162	0.274	332.504239	45.862991	-754.08	56.21
6	GUIDE	472665256	8.99	581	0.354	0.366	0.101	0.167	332.808125	46.195041	-1982.36	-646.23
7	GUIDE	472525528	6.65	580	-0.675	-0.163	0.090	0.147	331.551102	45.248694	2402.34	879.63

2.4 Star Slots

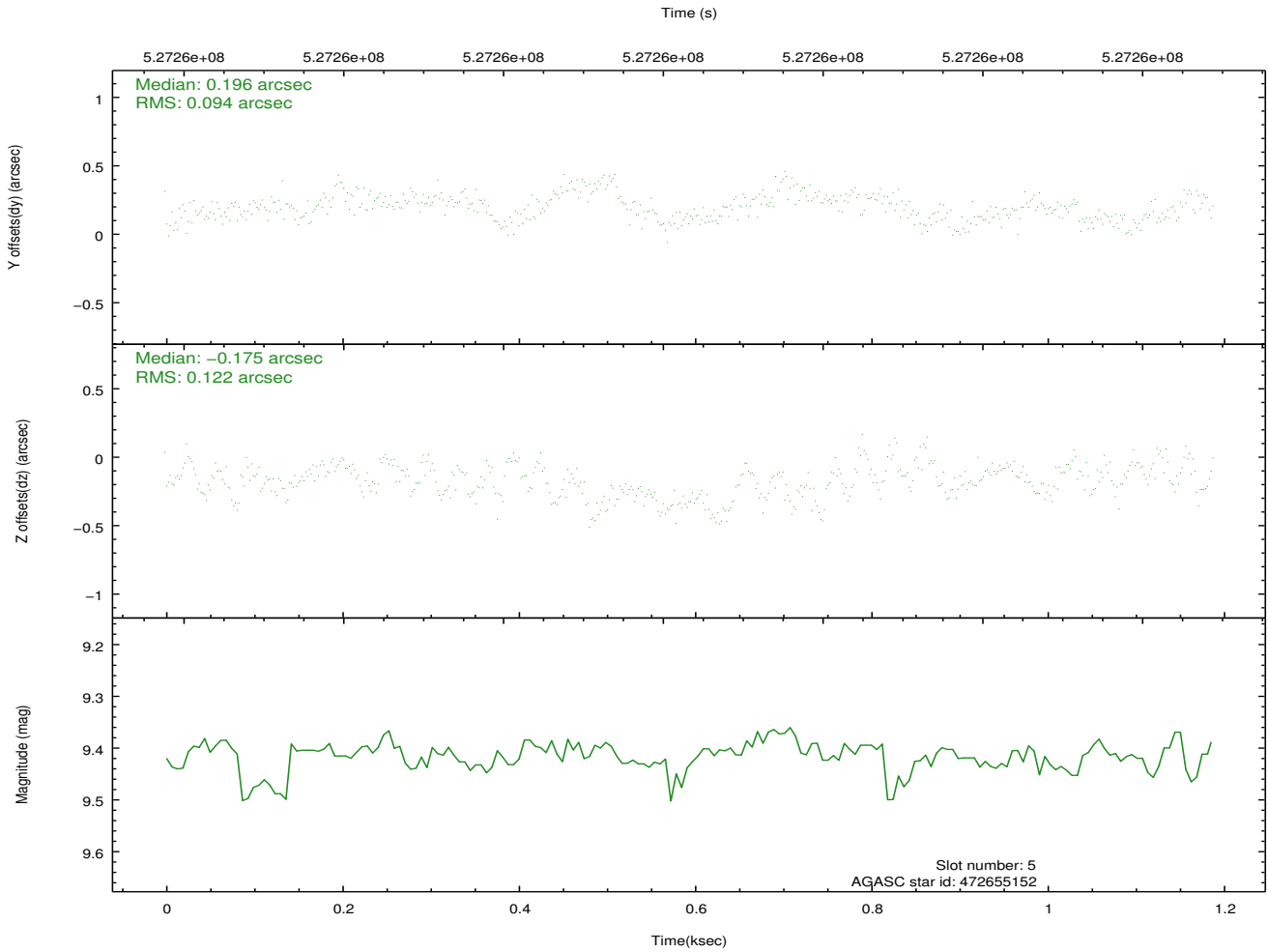
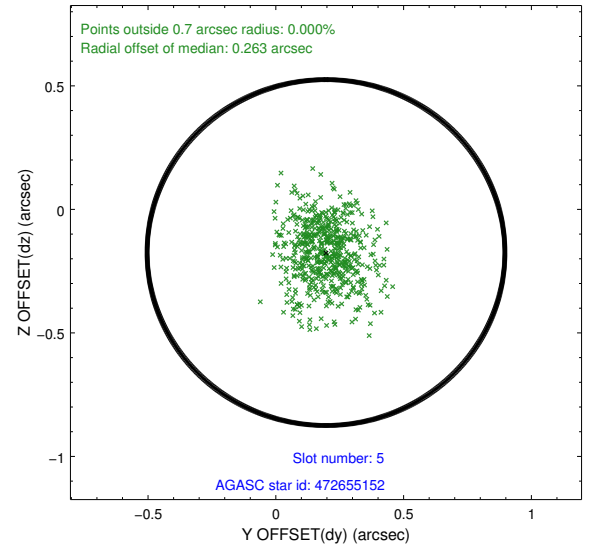
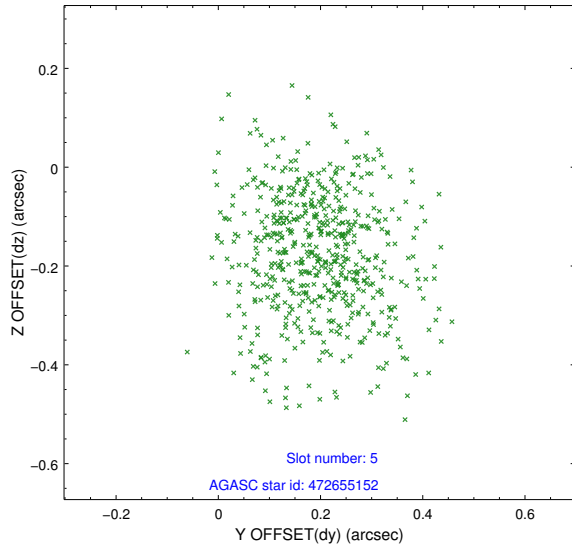
2.4.1 Slot 3



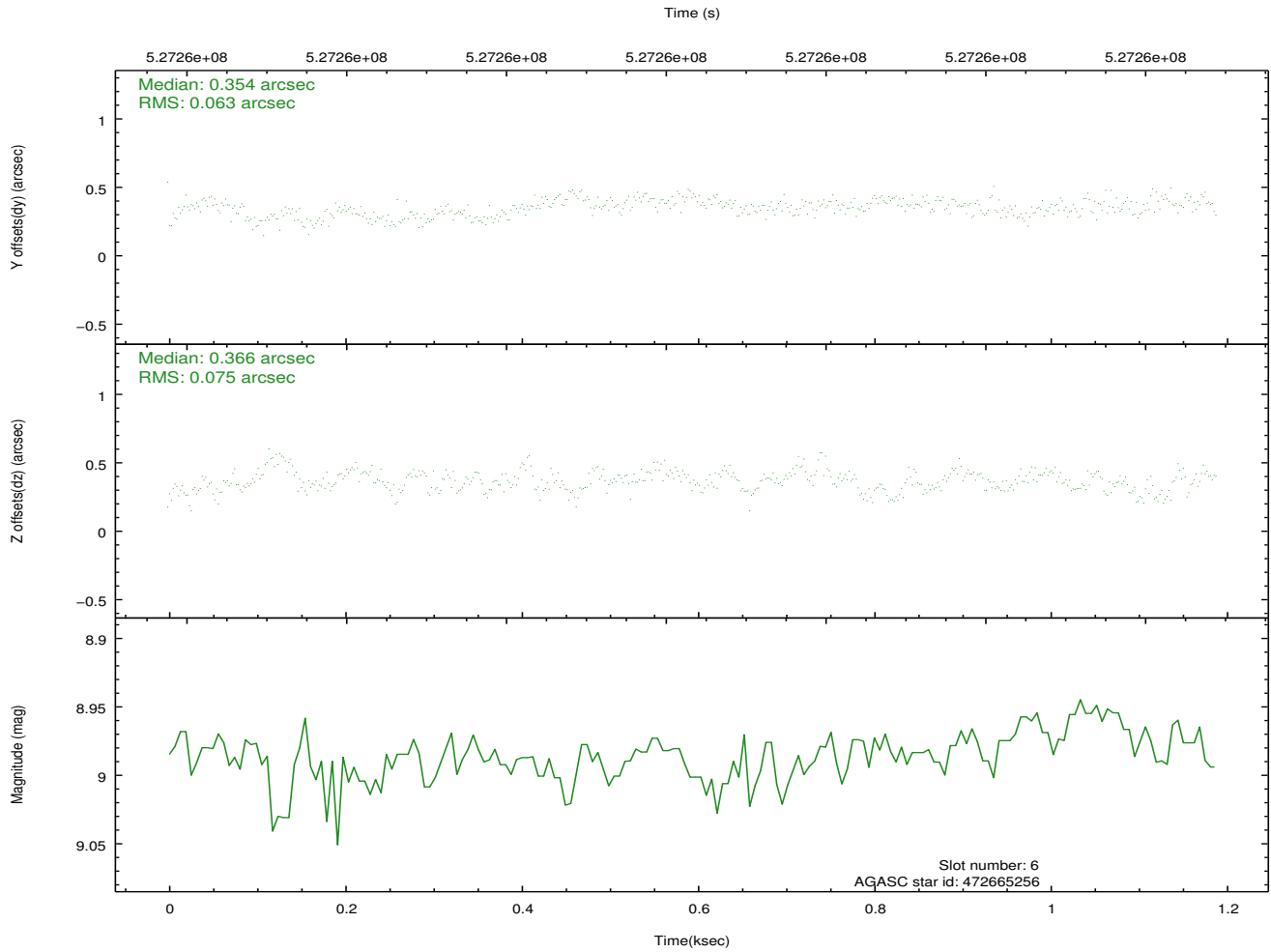
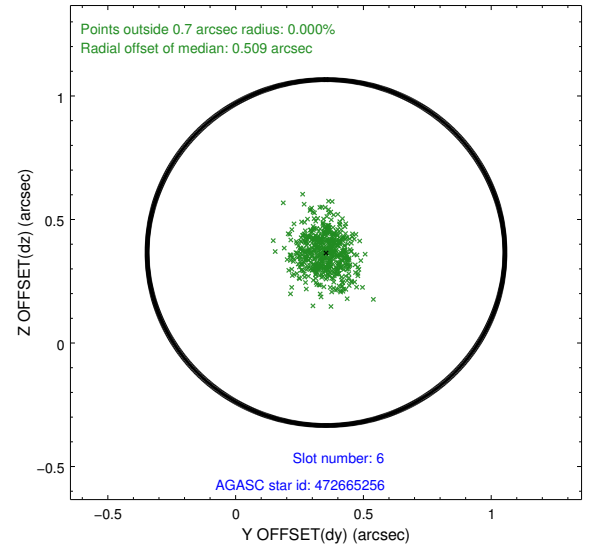
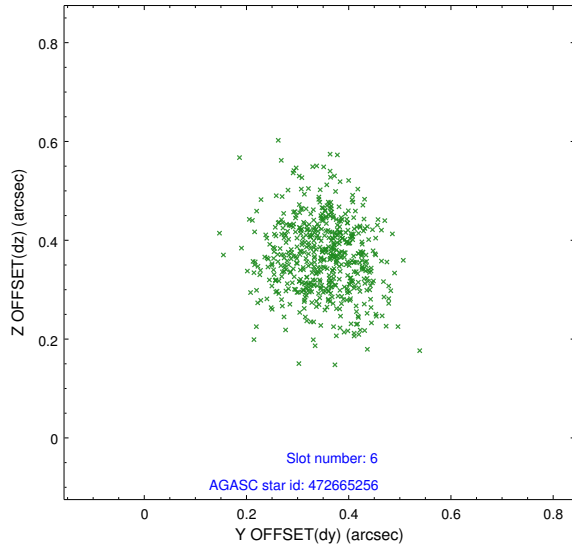
2.4.2 Slot 4



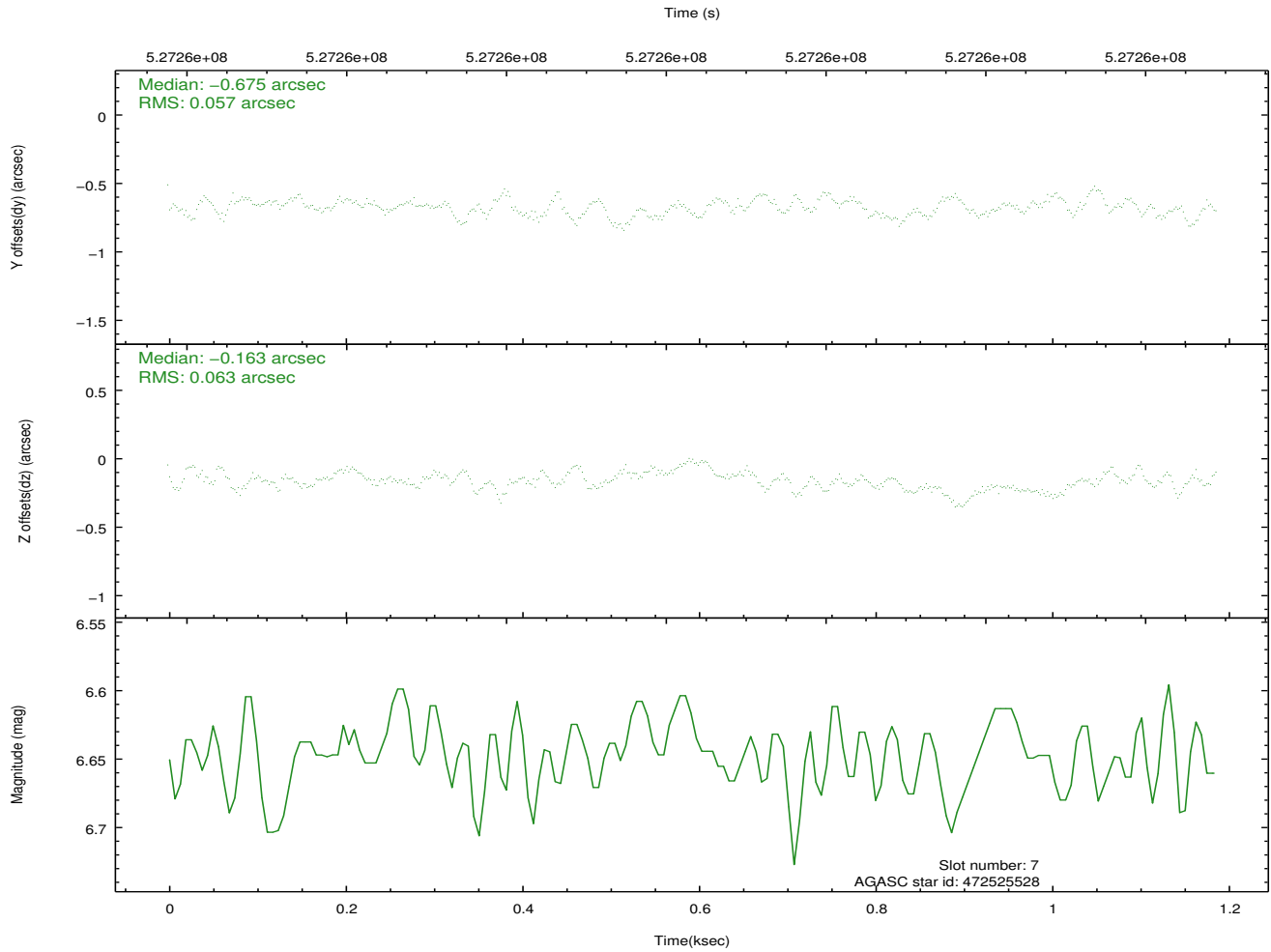
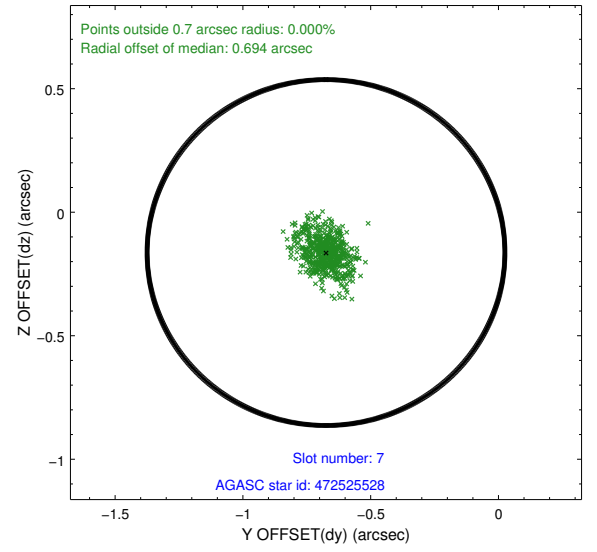
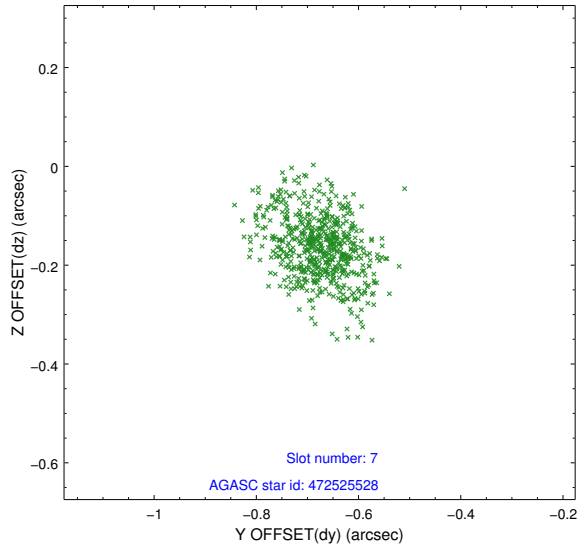
2.4.3 Slot 5



2.4.4 Slot 6

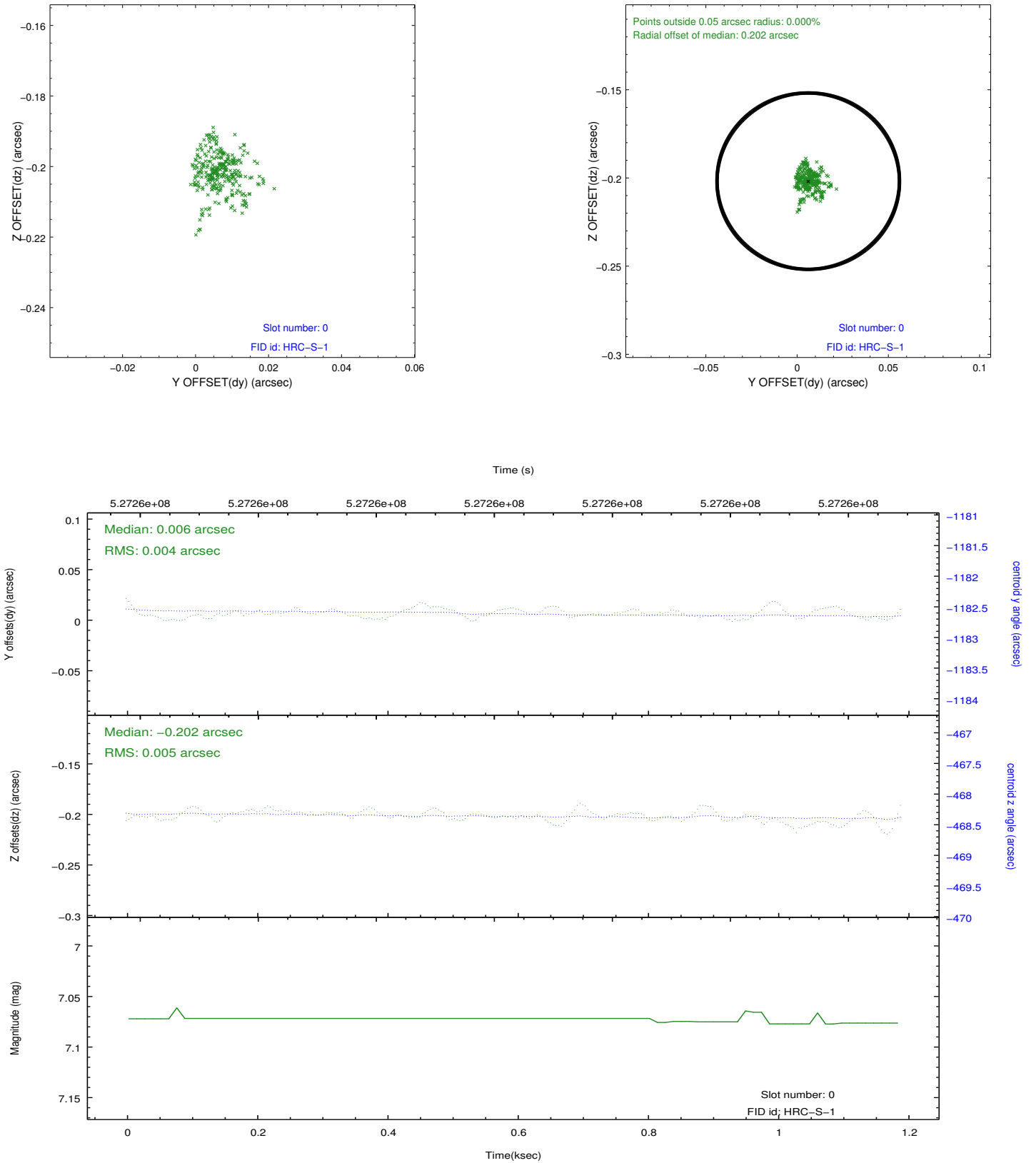


2.4.5 Slot 7

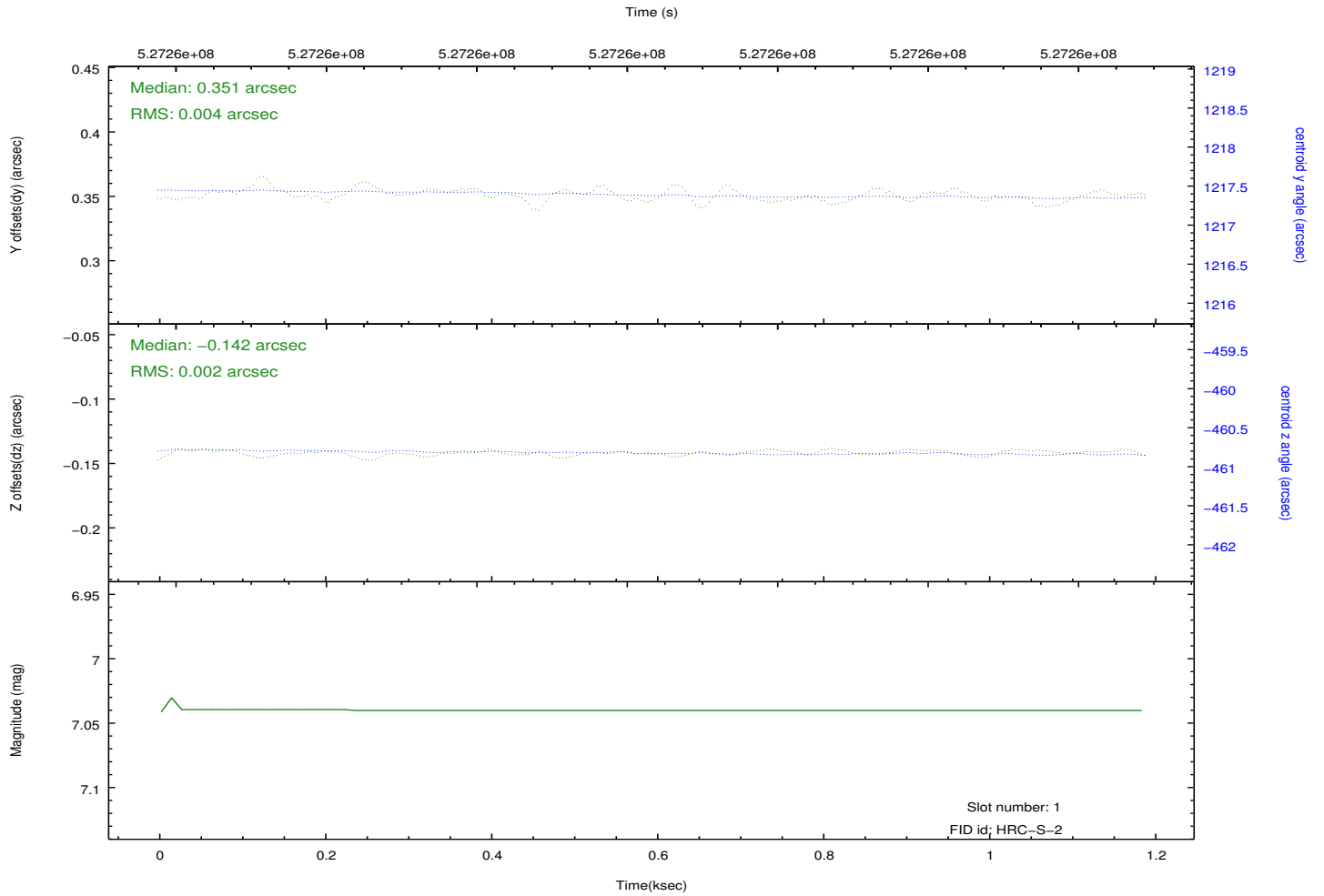
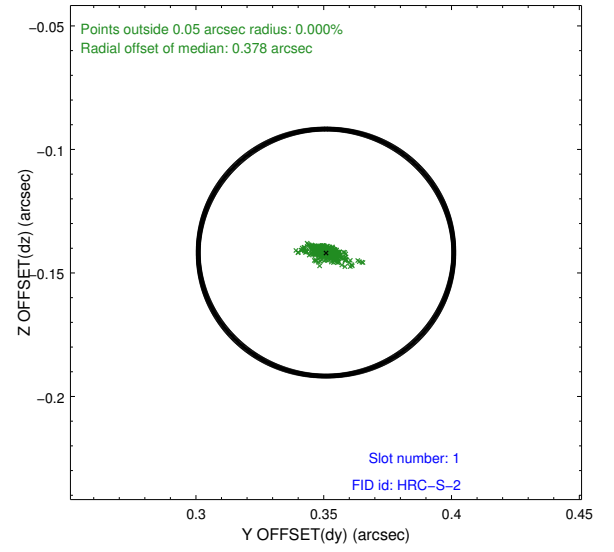
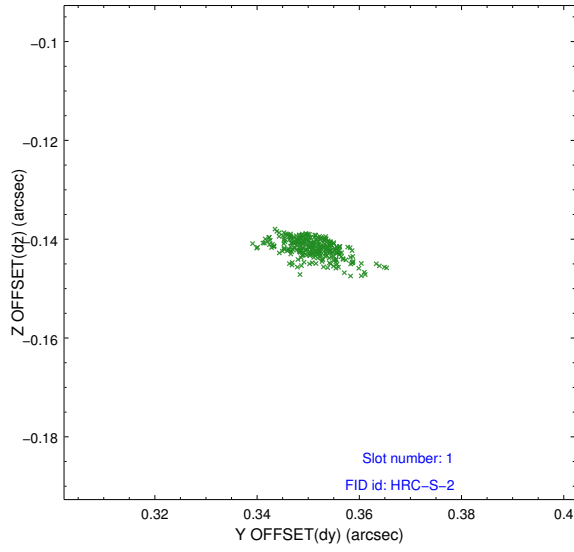


2.5 FID Slots

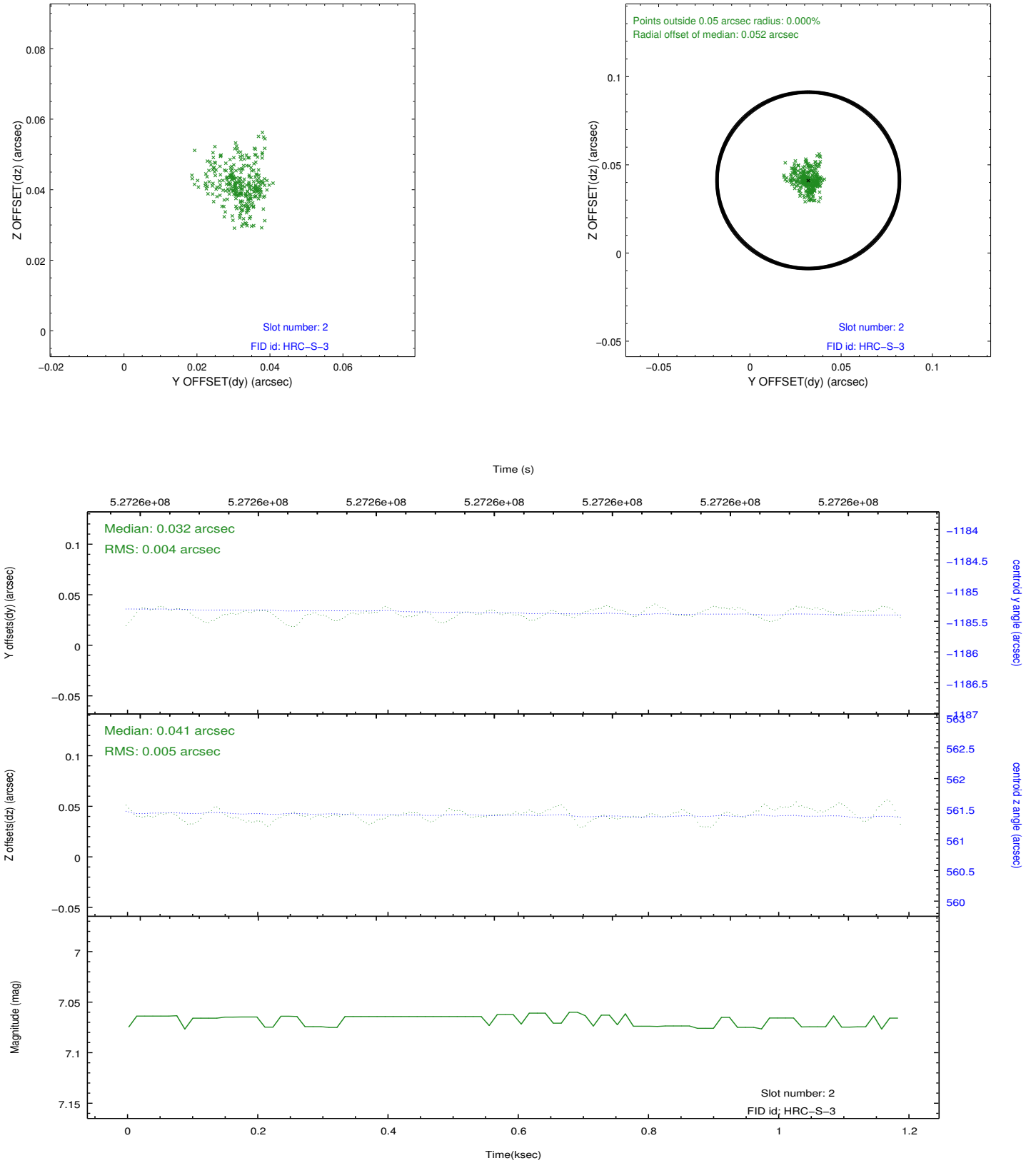
2.5.1 Slot 0



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)	2014.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1574813143015

A.2 Comments