

# V&V Reference Report

## L2 ASCDS Version : 10.2.4

Observation 16113 - L2 Version 1  
Chandra X-Ray Center

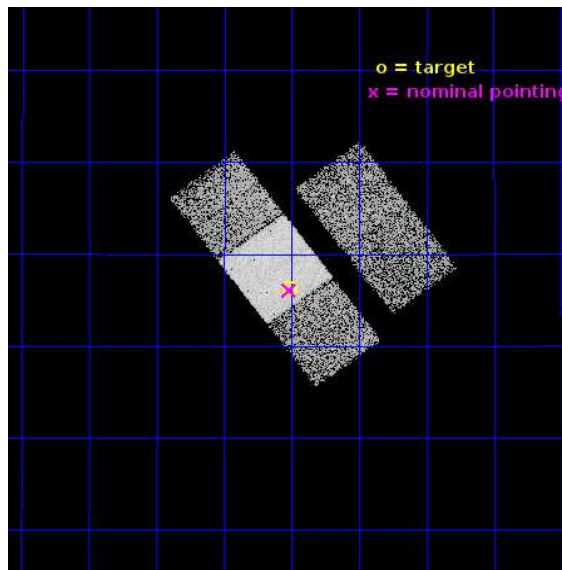
L2 Processing Date : Jul 24 2014

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# 1 Front

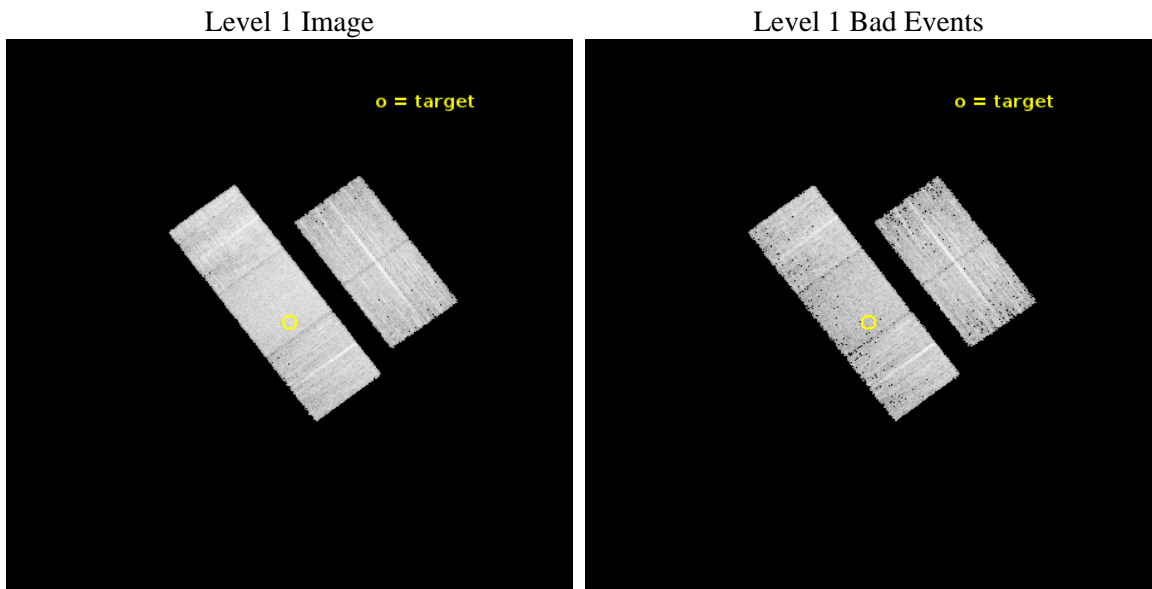
seq_num	703001	Sequence number
obs_id	16113	Observation id
title	A Pilot Search for Spatially Offset AGN in Galaxy Merger Remnants	&#160
observer	Dr. Julia Comerford	Principal investigator
object	SDSS J165430.72+194615.5	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	253.628	Observer's specified target RA [deg]
dec_targ	19.77097	Observer's specified target Dec [deg]
ra_nom	253.62914544665	Nominal RA [deg]
dec_nom	19.76803134009	Nominal Dec [deg]
roll_nom	233.28222953001	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10068.745625257	Sum of GTIs [s]
livetime	9937.1900511608	Livetime [s]
ontime2	10065.440424919	Sum of GTIs [s]
ontime3	10068.663545251	Sum of GTIs [s]
ontime6	10068.704585254	Sum of GTIs [s]
ontime7	10068.745625257	Sum of GTIs [s]
ontime8	10068.622505248	Sum of GTIs [s]
l2events	49305	Number of level 2 events



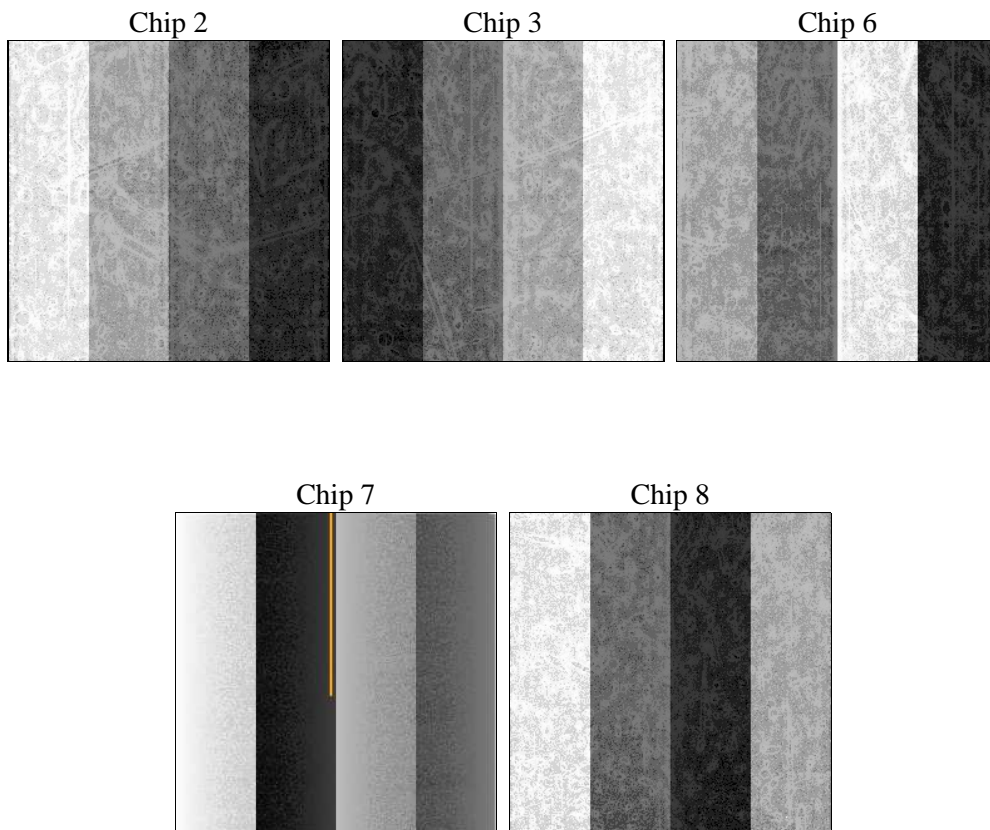
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.058000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	10068.745625257	Sum of GTIs [s]
caldbver	4.6.2	&#160	ontime2	10065.440424919	Sum of GTIs [s]
date	2014-07-24T12:02:06	Date and time of file creation	ontime3	10068.663545251	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	10068.704585254	Sum of GTIs [s]
			ontime7	10068.745625257	Sum of GTIs [s]
			ontime8	10068.622505248	Sum of GTIs [s]
			l1events	286608	Number of level 1 events

### 2.1.4 Events

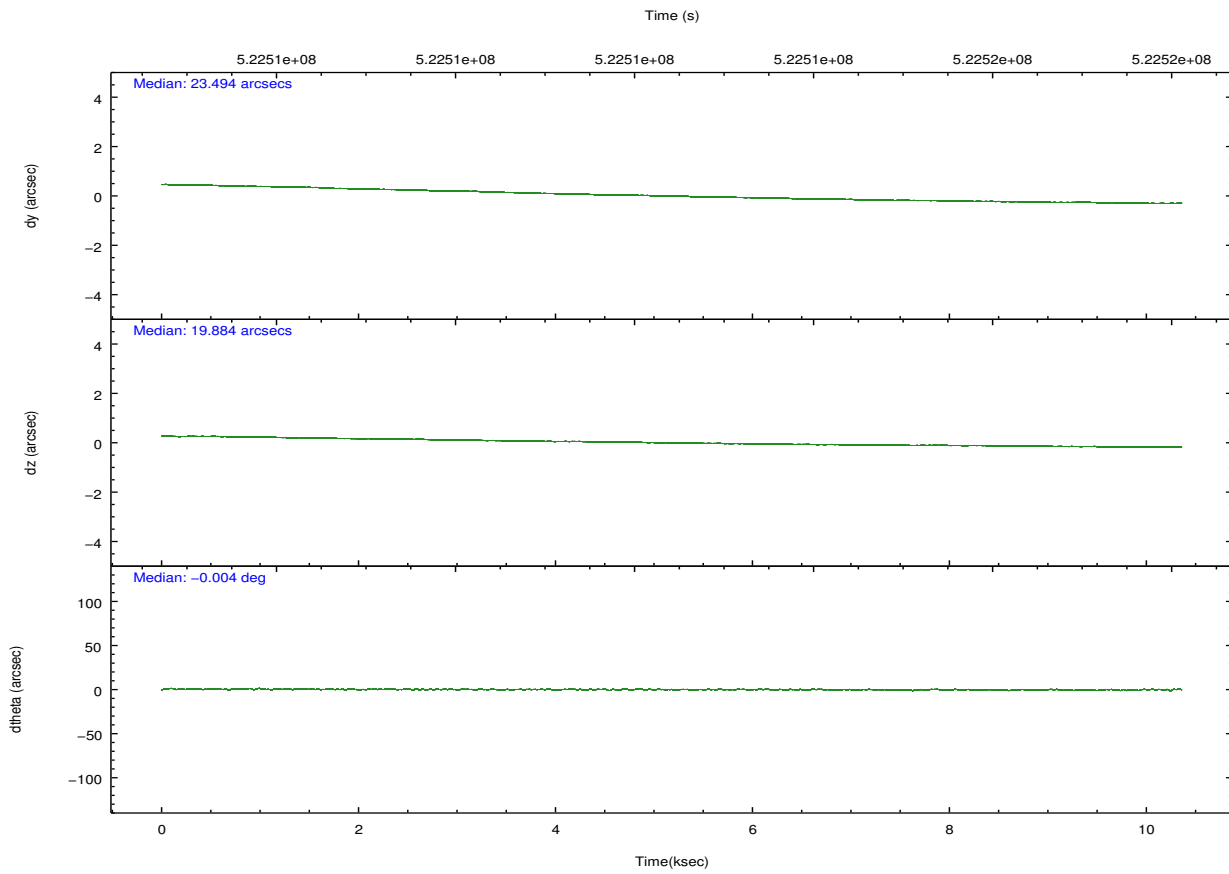
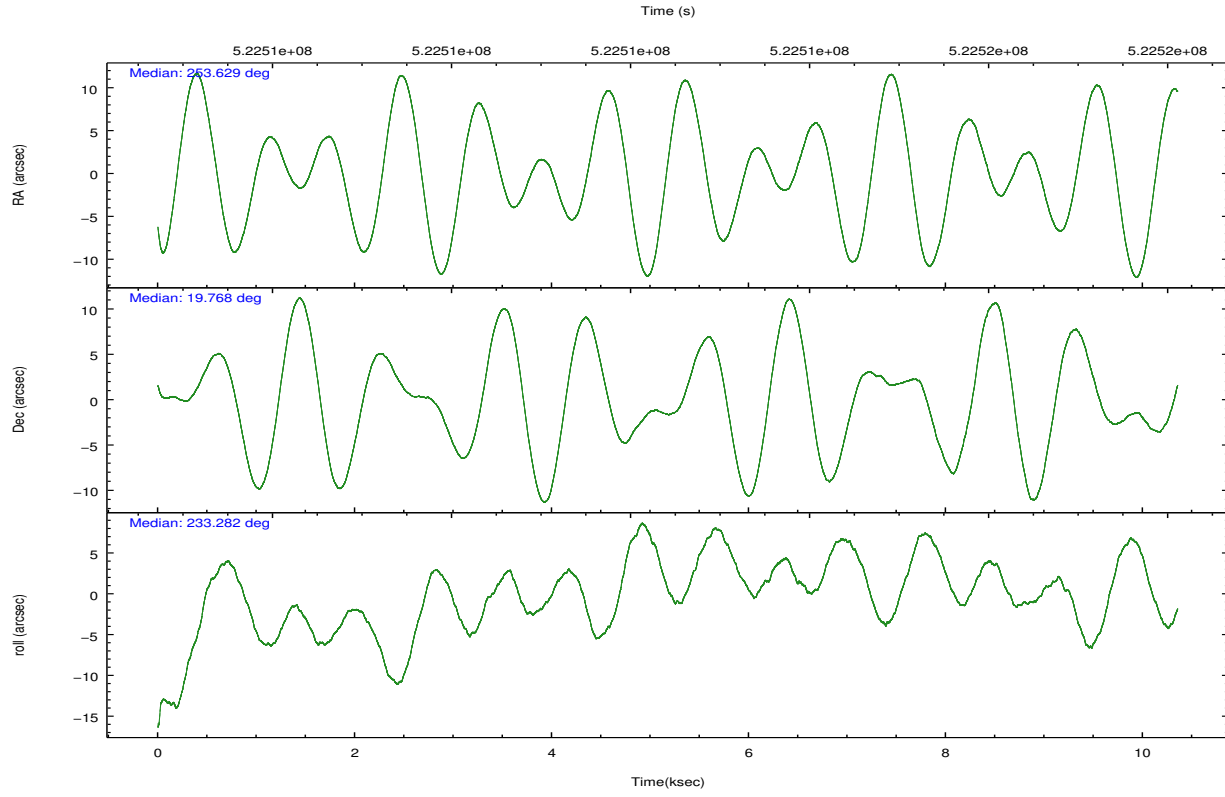
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	50128	47387	52642	68376	68075
rejected events	44816	41798	46537	39230	50696
rejected %	89%	88%	88%	57%	74%

	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1909	1962	1947	2404	4721
	3%	4%	3%	3%	6%
grade 1 events	17	20	23	58	58
	0%	0%	0%	0%	0%
grade 2 events	1218	1287	1467	6093	4236
	2%	2%	2%	8%	6%
grade 3 events	548	563	611	2360	1878
	1%	1%	1%	3%	2%
grade 4 events	568	604	595	2253	1704
	1%	1%	1%	3%	2%
grade 5 events	2163	2576	2650	6828	3867
	4%	5%	5%	9%	5%
grade 6 events	1075	1176	1487	16046	4842
	2%	2%	2%	23%	7%
grade 7 events	42630	39199	43862	32334	46769
	85%	82%	83%	47%	68%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	253.632144	253.6291454466537	CCD I2 on	O1	Y
[deg] Pointing Dec	19.795335	19.76803134008998	CCD I3 on	O4	Y
[deg] Pointing Roll	233.124590	233.2822295300105	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O3	Y
[s] Observation start time (MET)	522507591.184000	522506418.8515	CCD S5 on	N	N
Observation start date	2014-07-23T12:58:44	2014-07-23T12:40:18	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	522517592.184000	522517817.36463	On-chip summing requested	N	N
Observation end date	2014-07-23T15:45:25	2014-07-23T15:50:17	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

## 2.3 Aspect



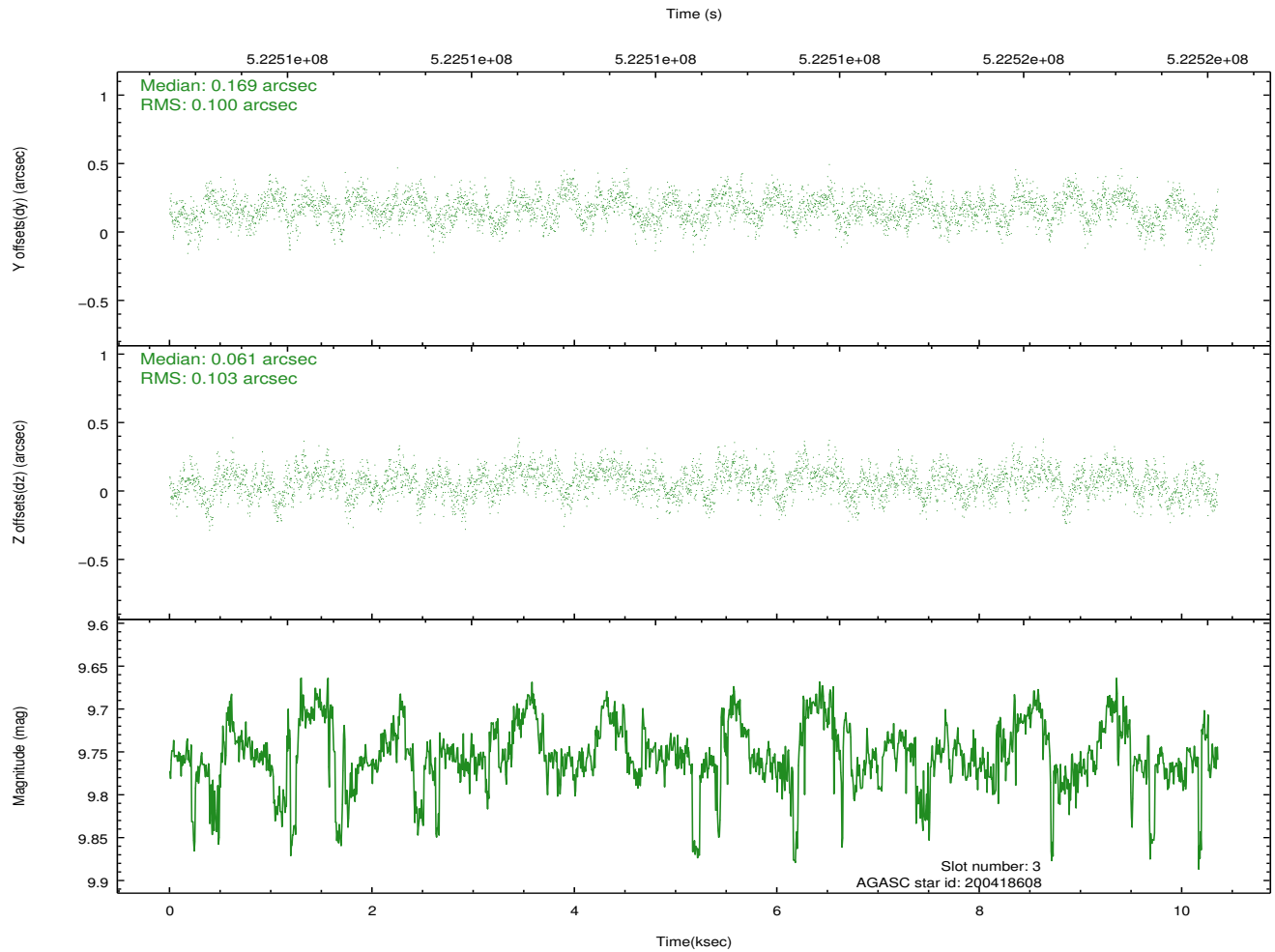
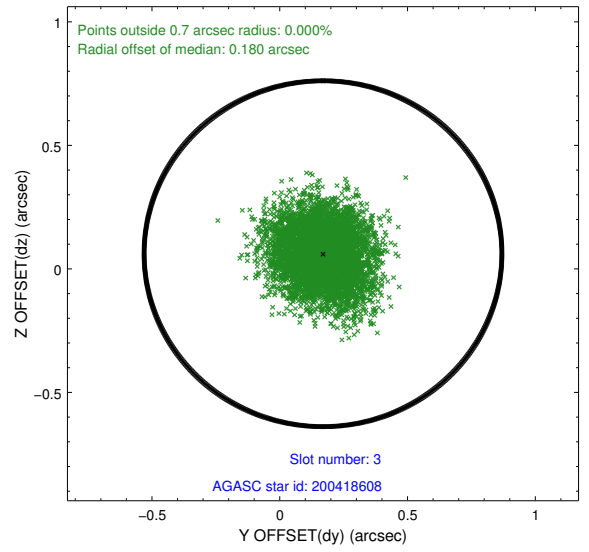
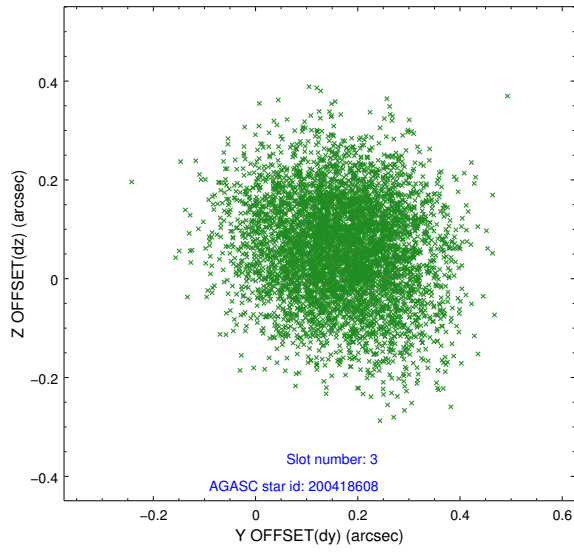
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.04	2526	-0.173	-0.040	0.012	0.019	0.000000	0.000000	-776.89	-1741.45
1	FID	ACIS-S-4	7.13	2526	0.392	0.095	0.014	0.021	0.000000	0.000000	2136.71	166.65
2	FID	ACIS-S-5	7.15	2527	-0.250	-0.045	0.009	0.015	0.000000	0.000000	-1829.17	160.74
3	GUIDE	200418608	9.76	5051	0.169	0.061	0.154	0.247	252.879447	19.751423	1653.04	-1948.63
4	GUIDE	200545928	9.25	5046	-0.024	-0.186	0.160	0.256	254.225599	19.670056	-848.76	1877.46
5	GUIDE	200548320	9.25	5051	-0.073	0.085	0.126	0.205	254.424349	19.992614	-2181.49	1714.46
6	GUIDE	200549080	9.31	5050	-0.047	0.194	0.114	0.181	254.354930	19.897618	-1767.25	1733.85
7	GUIDE	200417112	9.33	5047	-0.023	-0.177	0.192	0.285	253.627645	19.099861	2011.78	1490.41

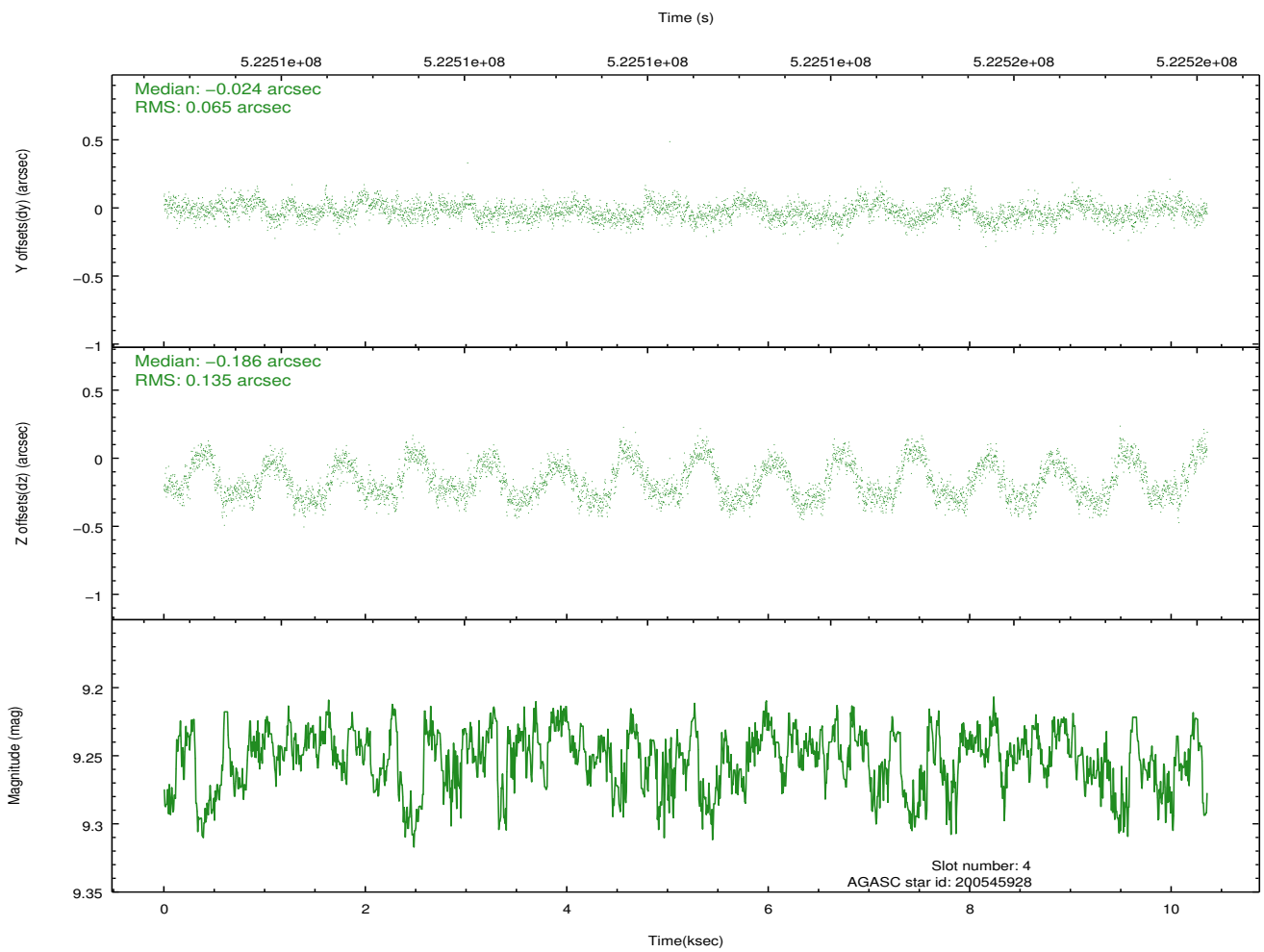
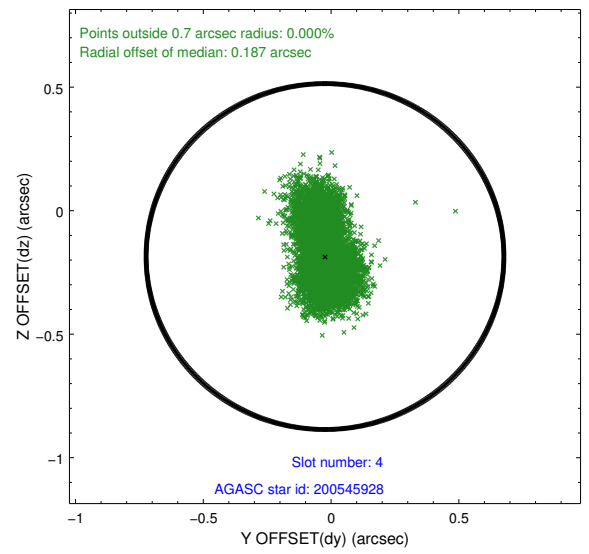
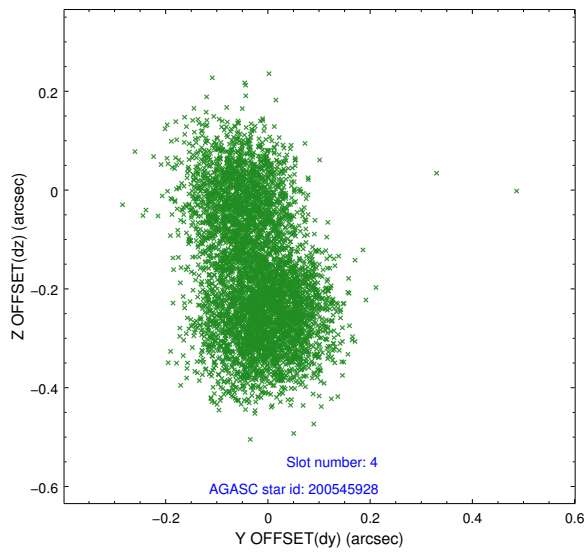
∞

## 2.4 Star Slots

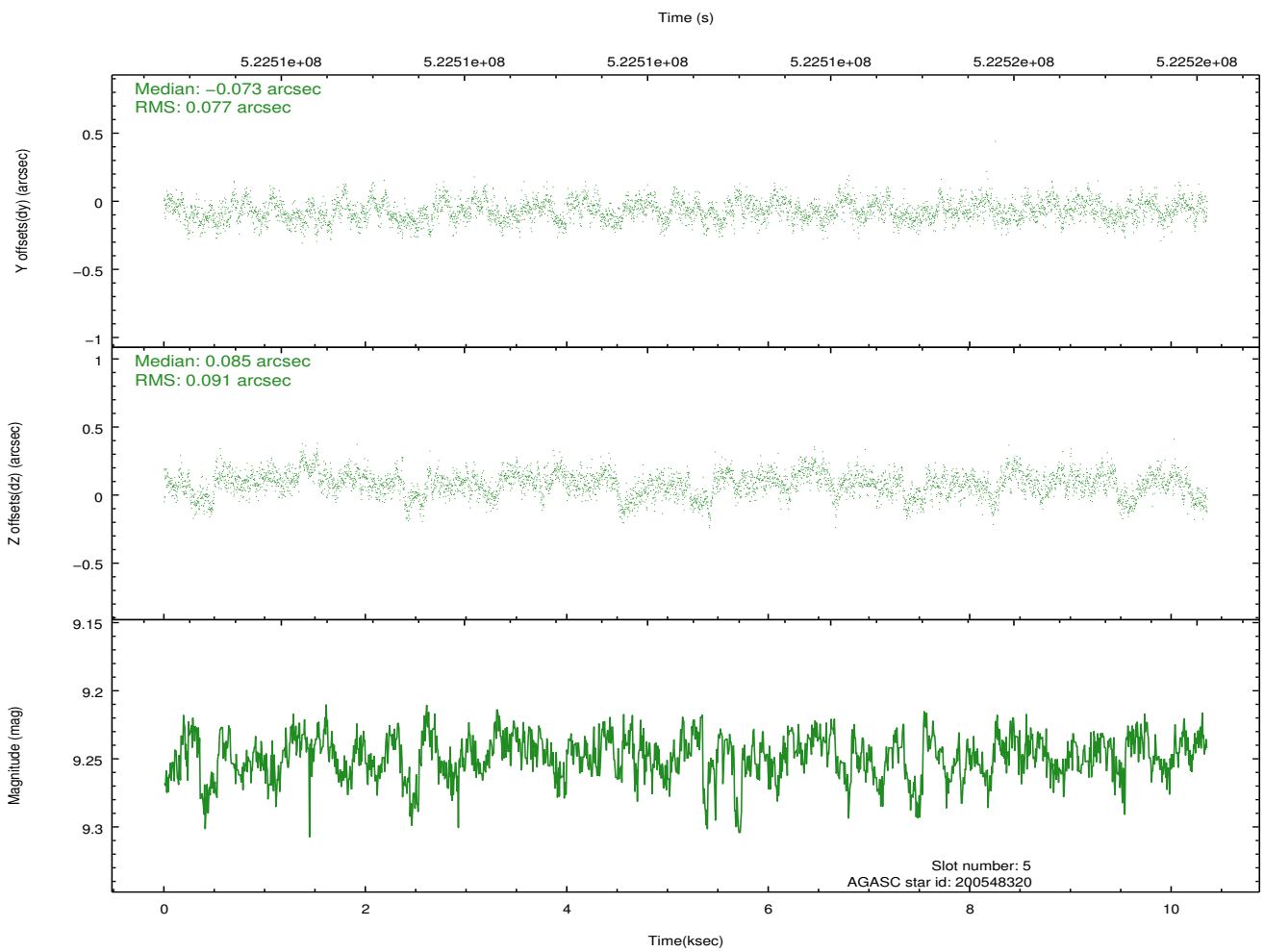
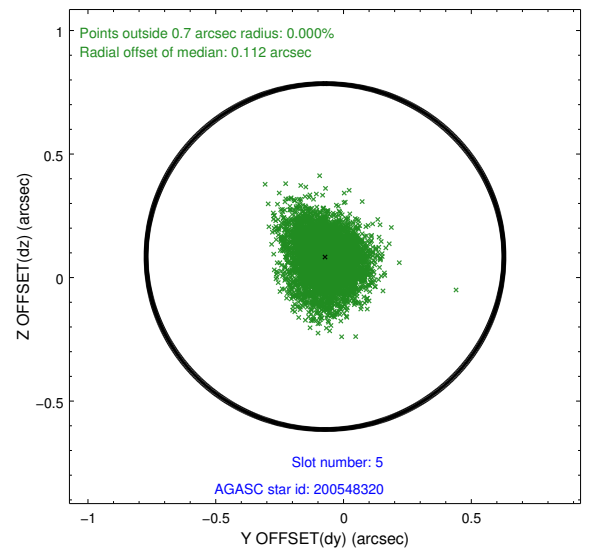
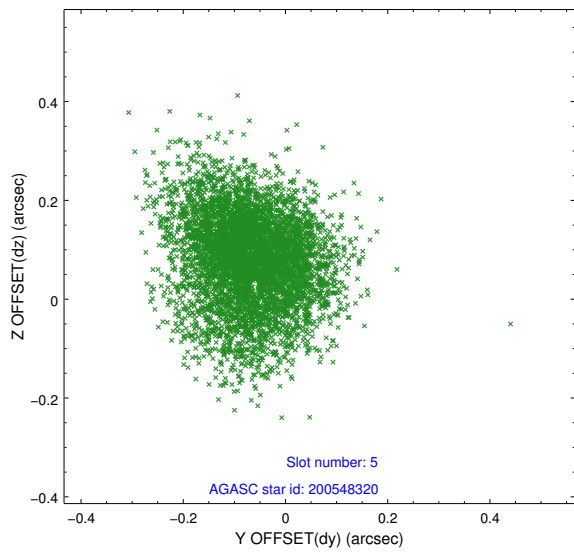
### 2.4.1 Slot 3



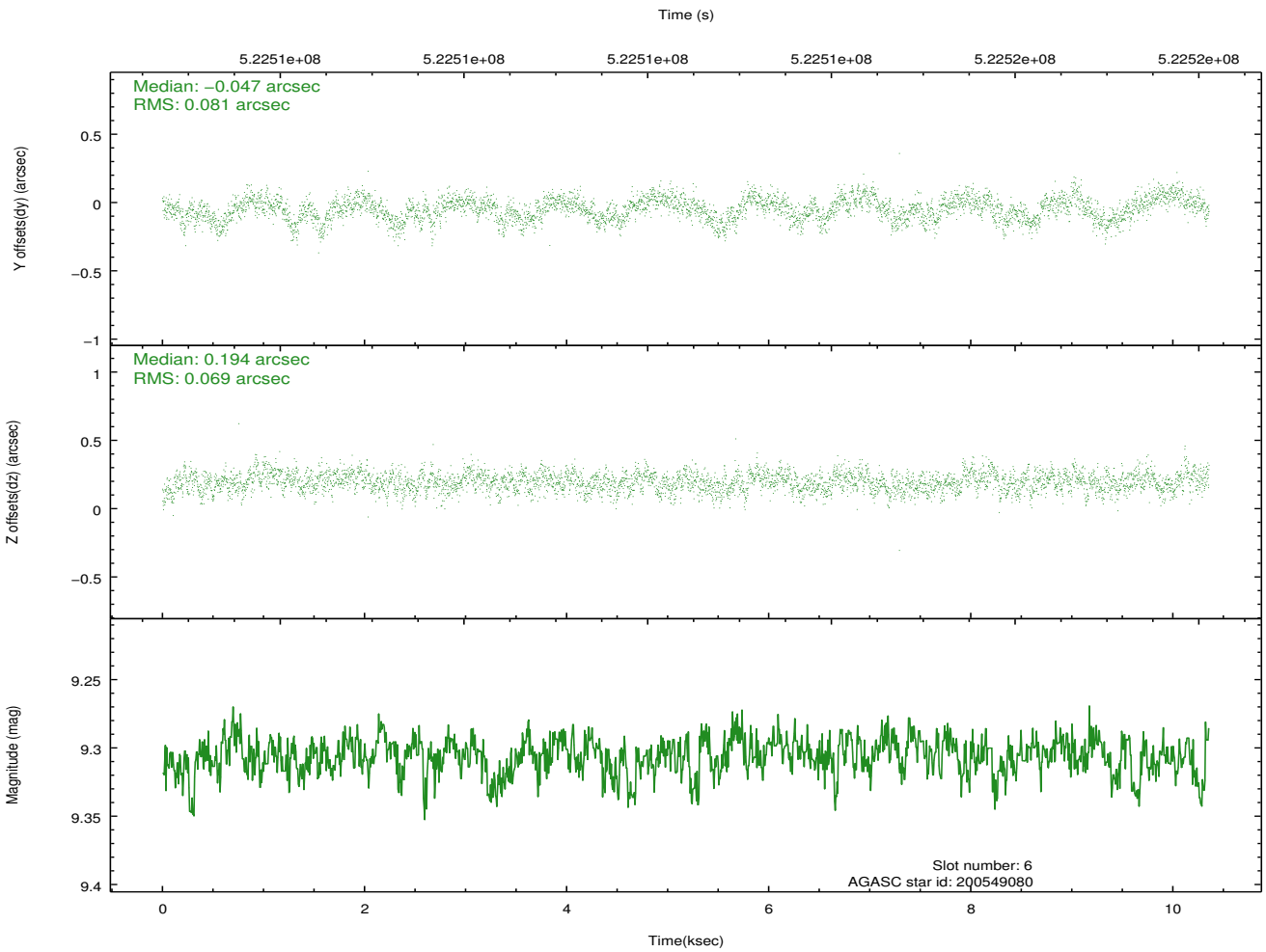
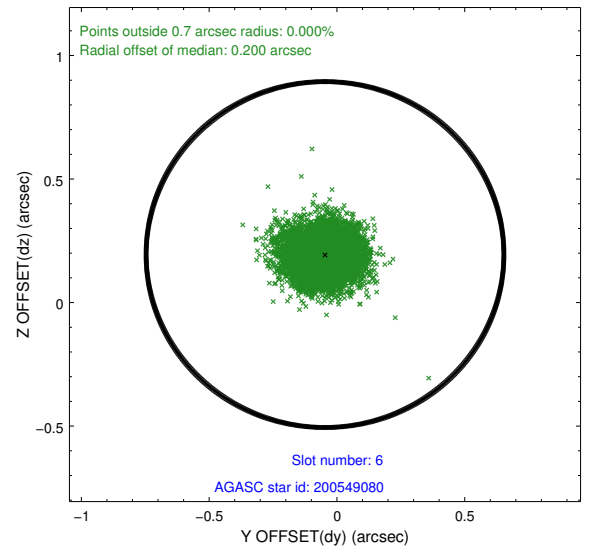
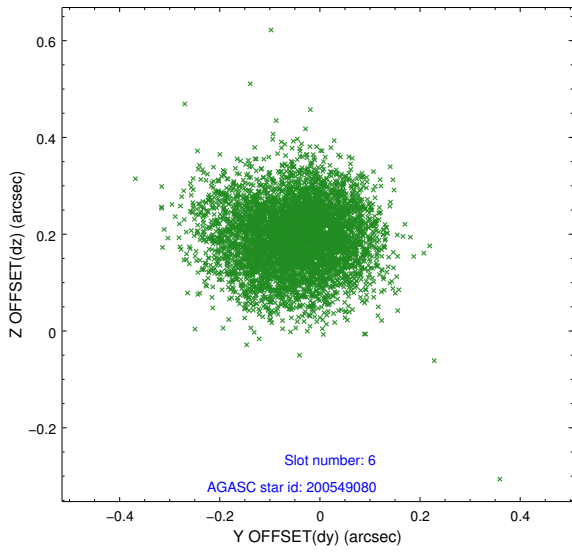
## 2.4.2 Slot 4



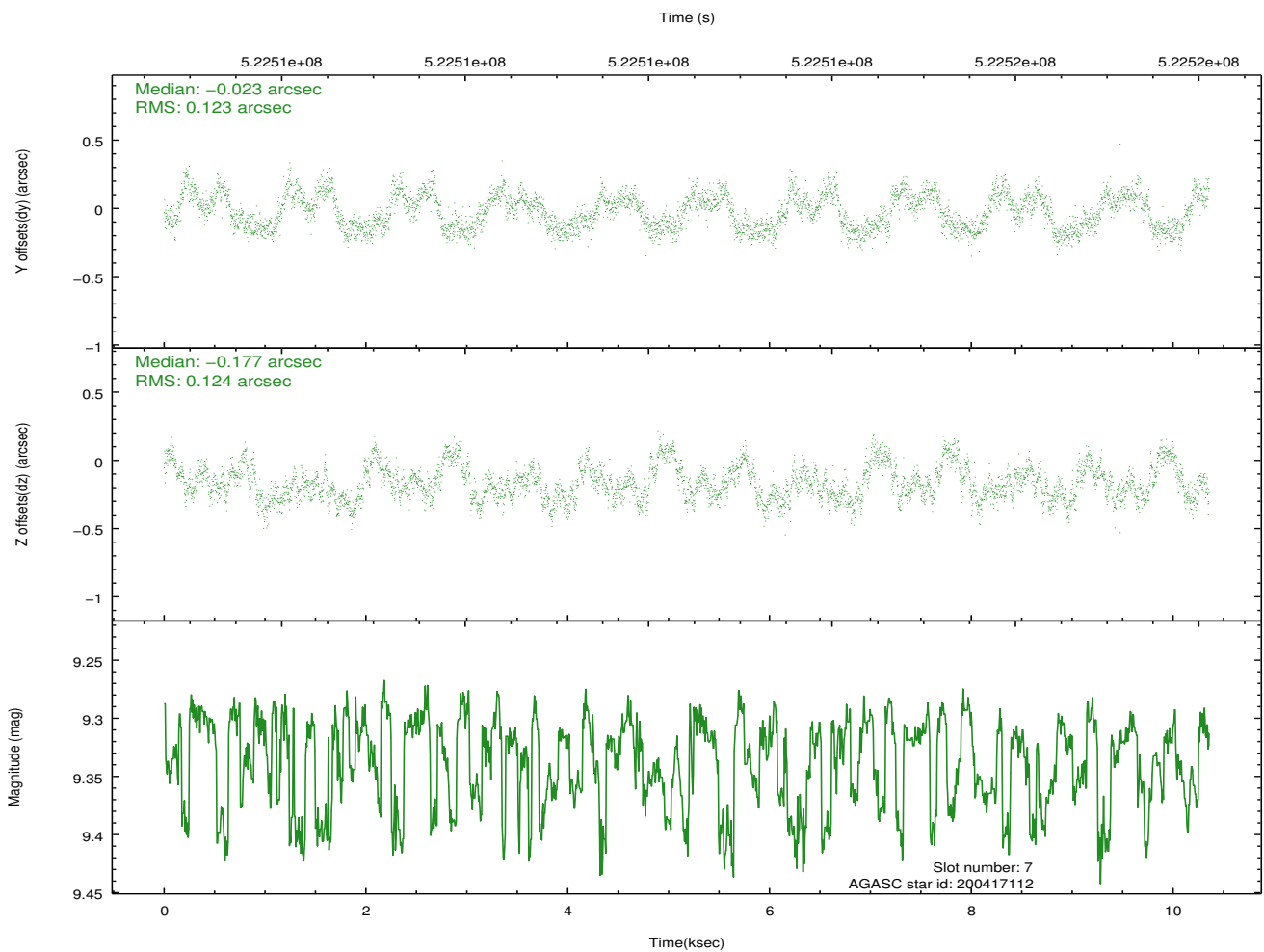
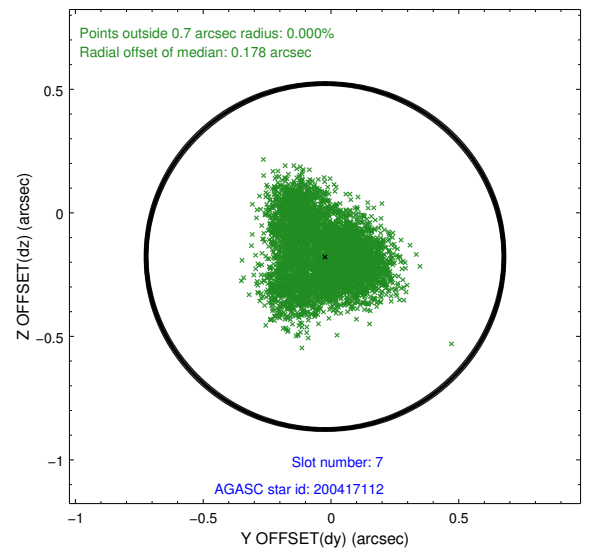
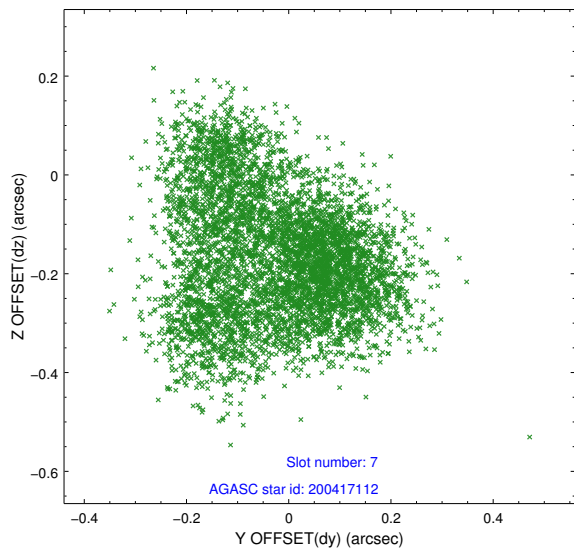
### 2.4.3 Slot 5



### 2.4.4 Slot 6

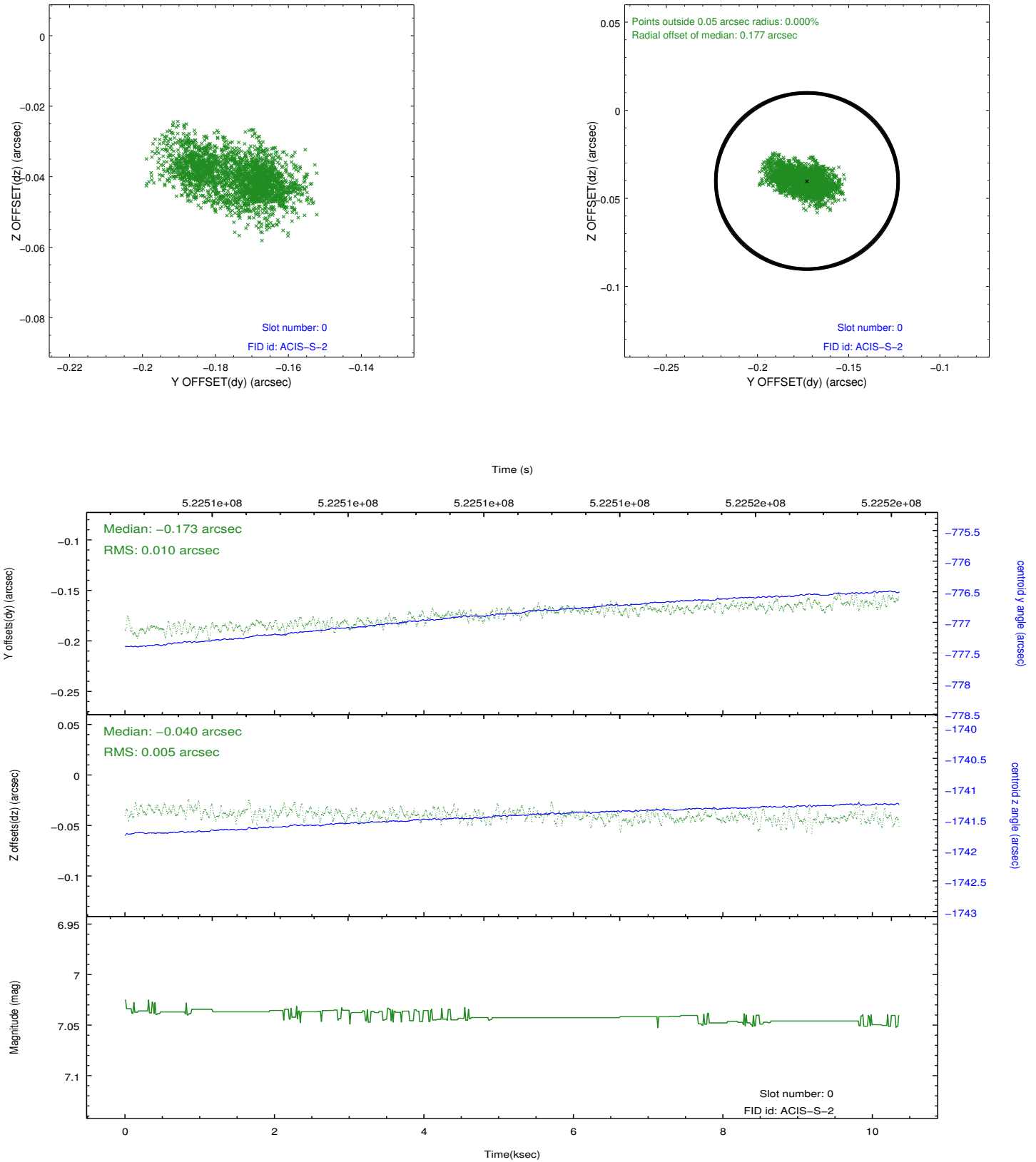


## 2.4.5 Slot 7

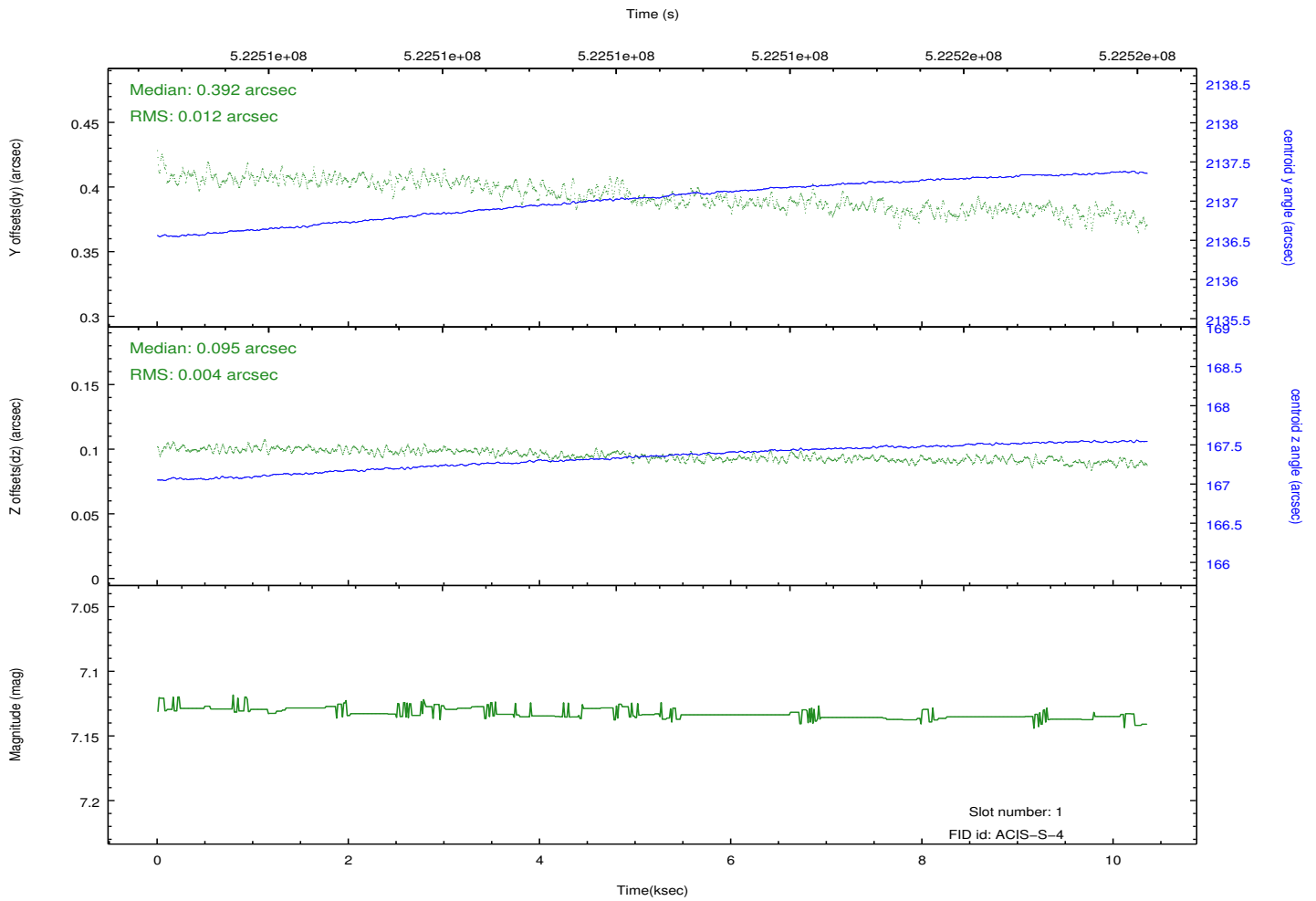
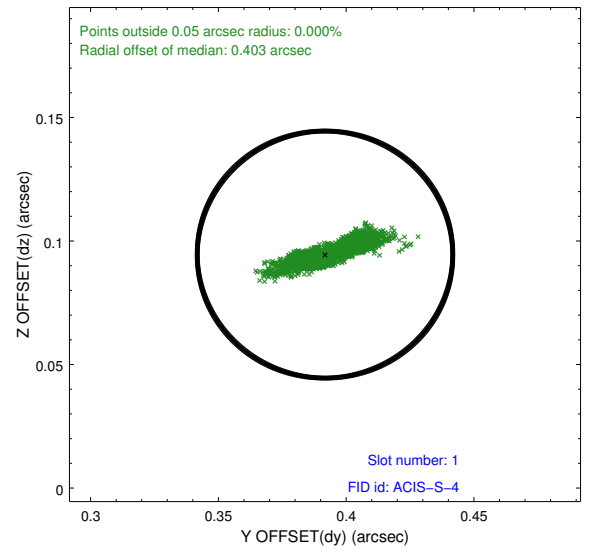
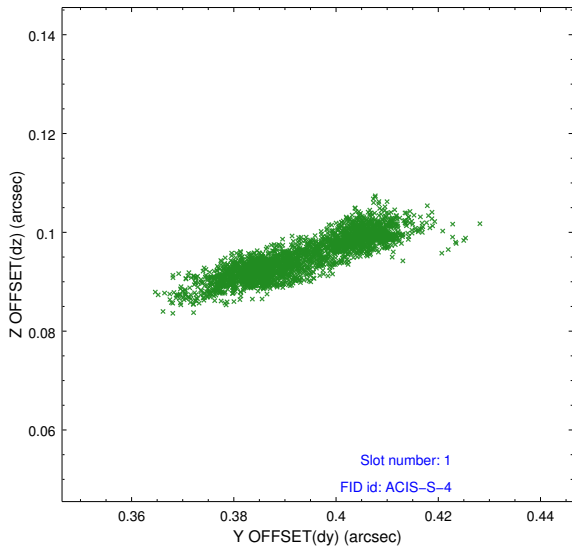


## 2.5 FID Slots

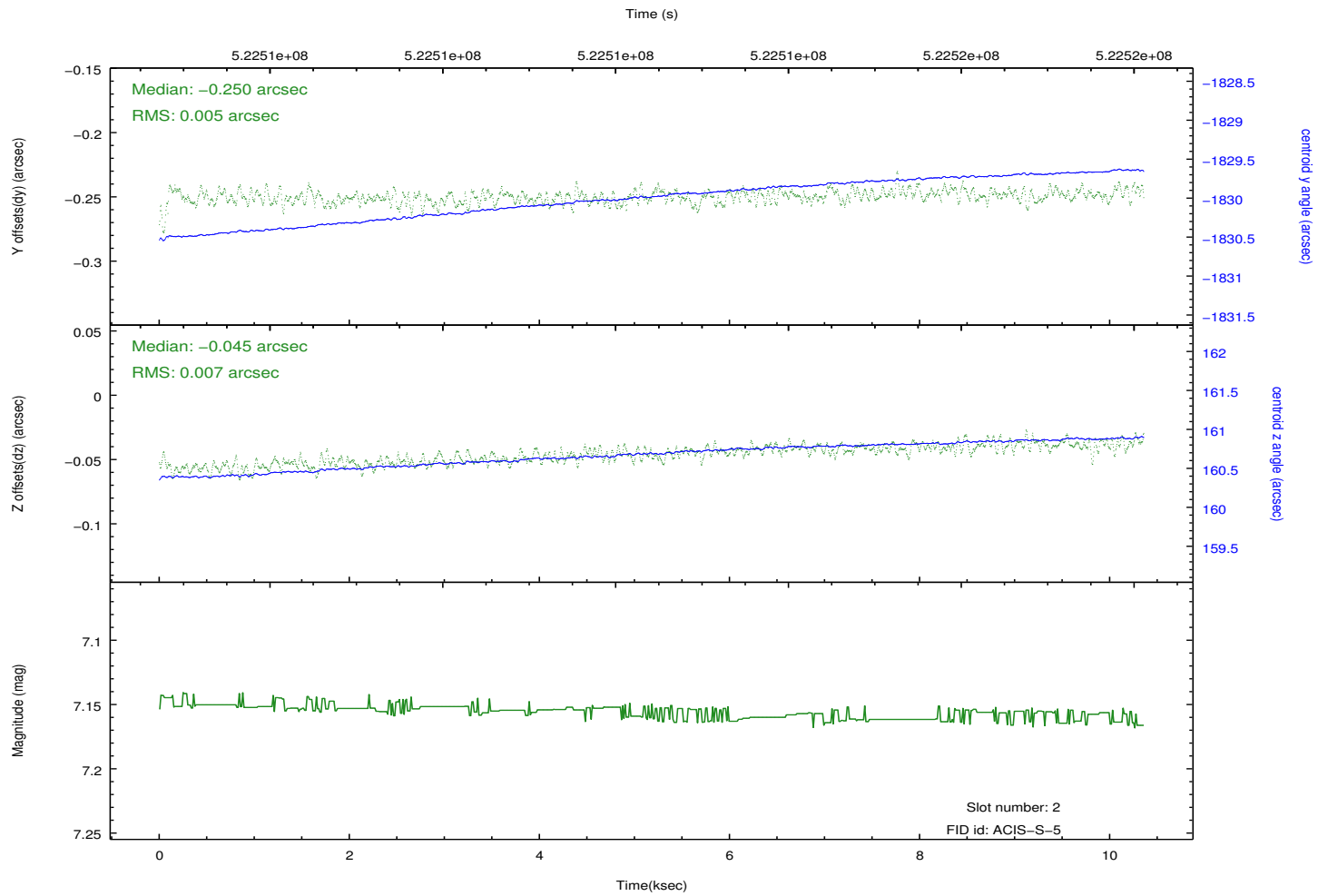
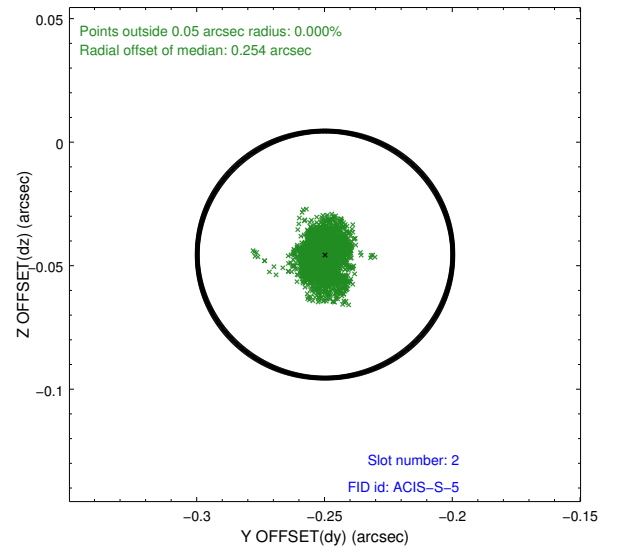
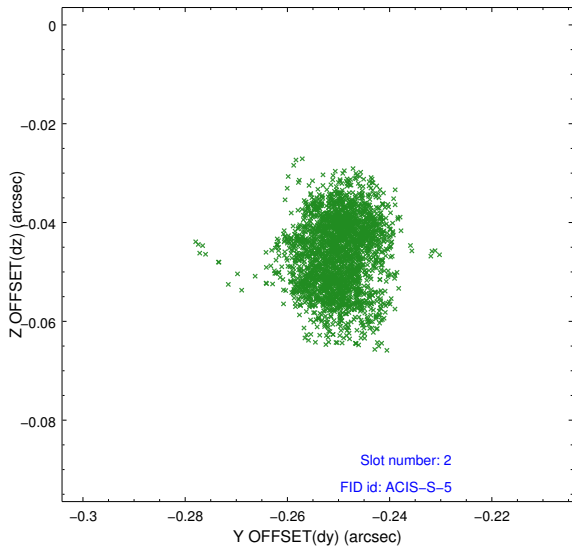
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.07.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.068745625257

## A.2 Comments

Joint Proposal: HST