

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17686 - L2 Version 1
Chandra X-Ray Center

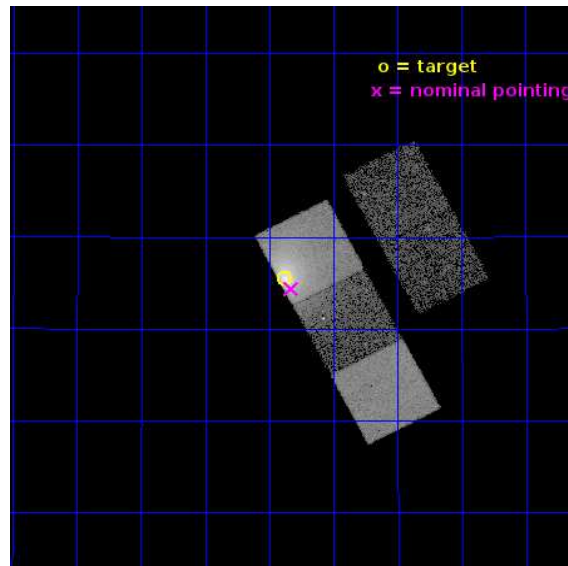
L2 Processing Date : Jul 20 2015

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1 Front

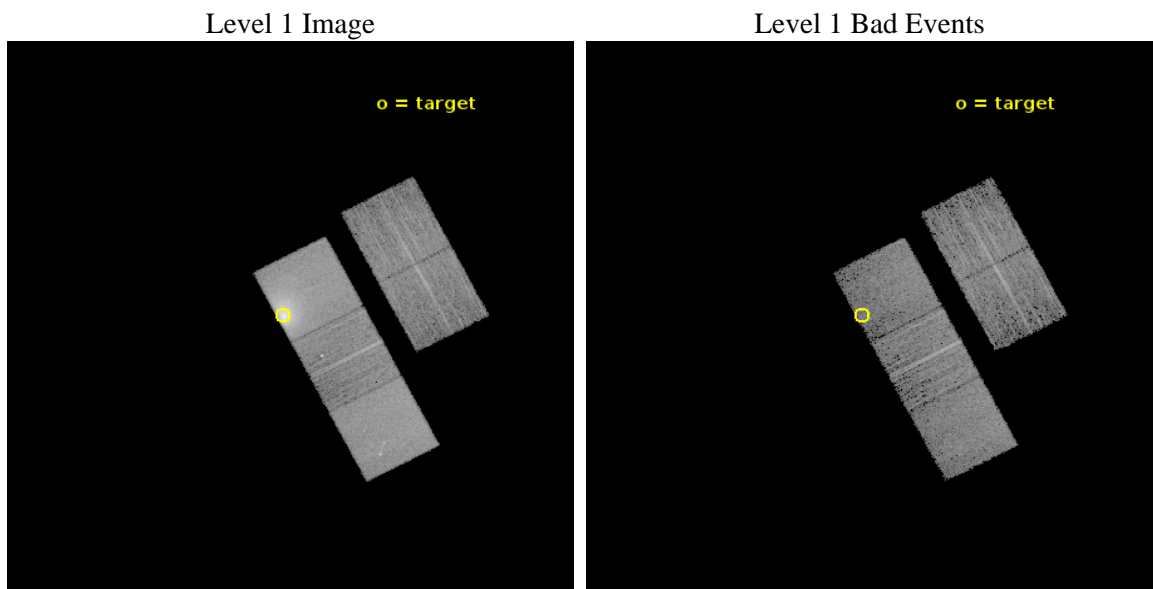
seq_num	890115	Sequence number
obs_id	17686	Observation id
title	Measuring the Spatial Distribution of the ACIS contaminant with Abell 1795	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	abell 1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.20714624535	Nominal RA [deg]
dec_nom	26.573053155973	Nominal Dec [deg]
roll_nom	242.37031881814	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10062.137722731	Sum of GTIs [s]
livetime	9930.6684857451	Livetime [s]
ontime2	10061.973562717	Sum of GTIs [s]
ontime3	10062.01460278	Sum of GTIs [s]
ontime5	10062.096682787	Sum of GTIs [s]
ontime6	10062.055642724	Sum of GTIs [s]
ontime7	10062.137722731	Sum of GTIs [s]
l2events	148856	Number of level 2 events



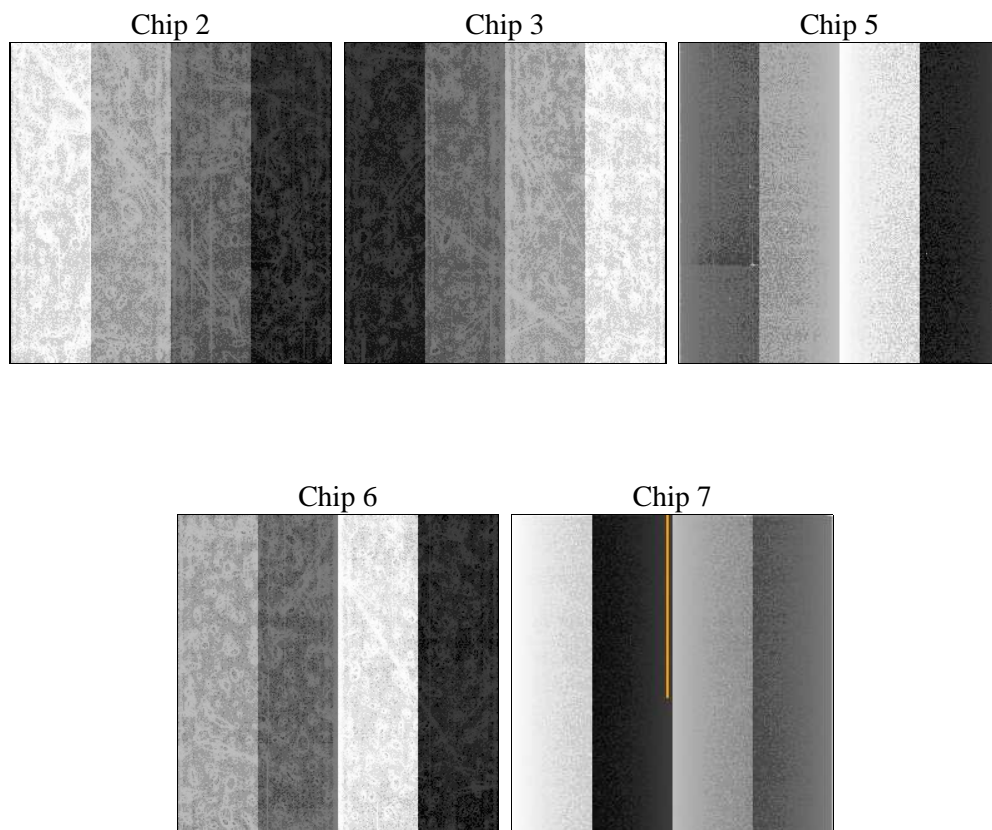
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	10062.137722731	Sum of GTIs [s]
caldbver	4.6.8	 	ontime2	10061.973562717	Sum of GTIs [s]
date	2015-07-20T22:36:19	Date and time of file creation	ontime3	10062.01460278	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	10062.096682787	Sum of GTIs [s]
			ontime6	10062.055642724	Sum of GTIs [s]
			ontime7	10062.137722731	Sum of GTIs [s]
			l1events	372234	Number of level 1 events

2.1.4 Events

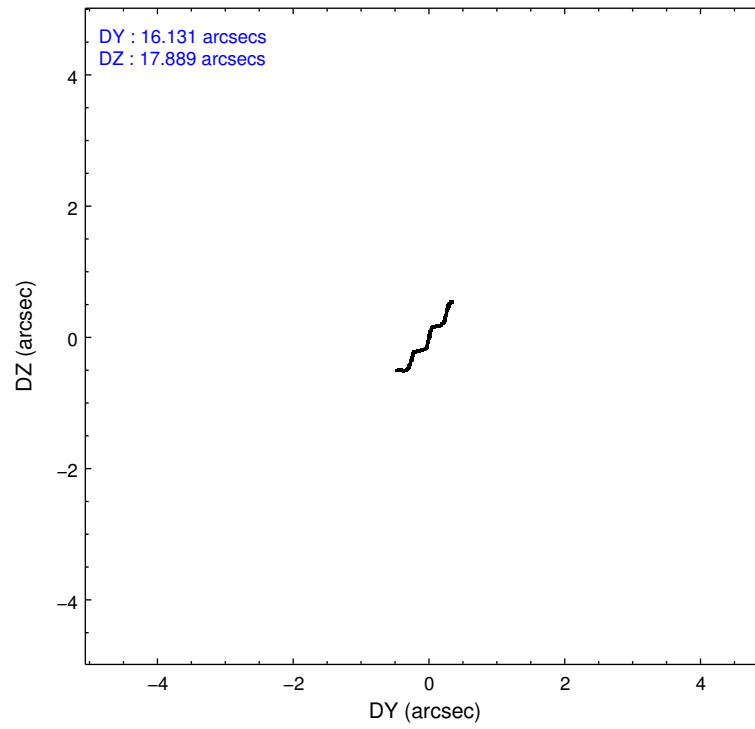
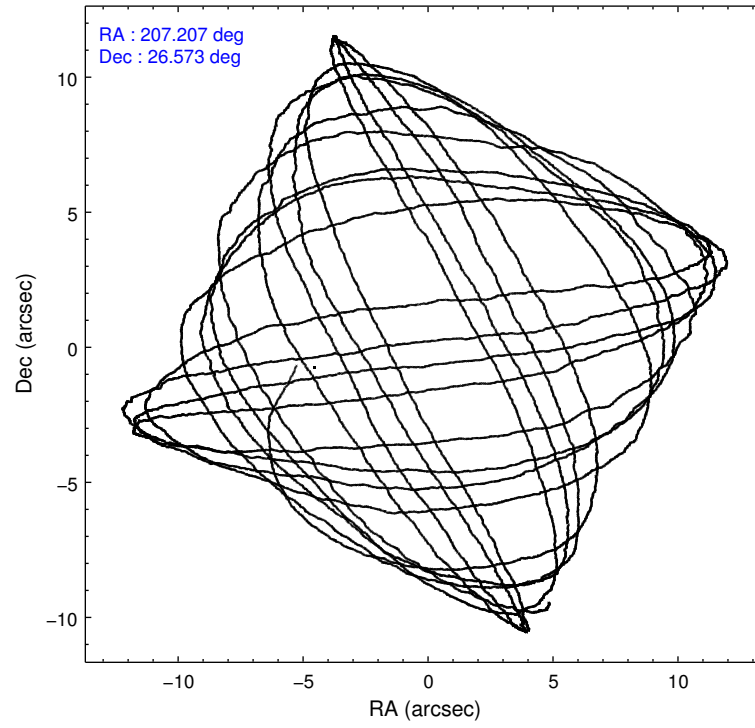
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	47783	51232	84419	57375	131425
rejected events	41742	45345	44313	46514	40196
rejected %	87%	88%	52%	81%	30%

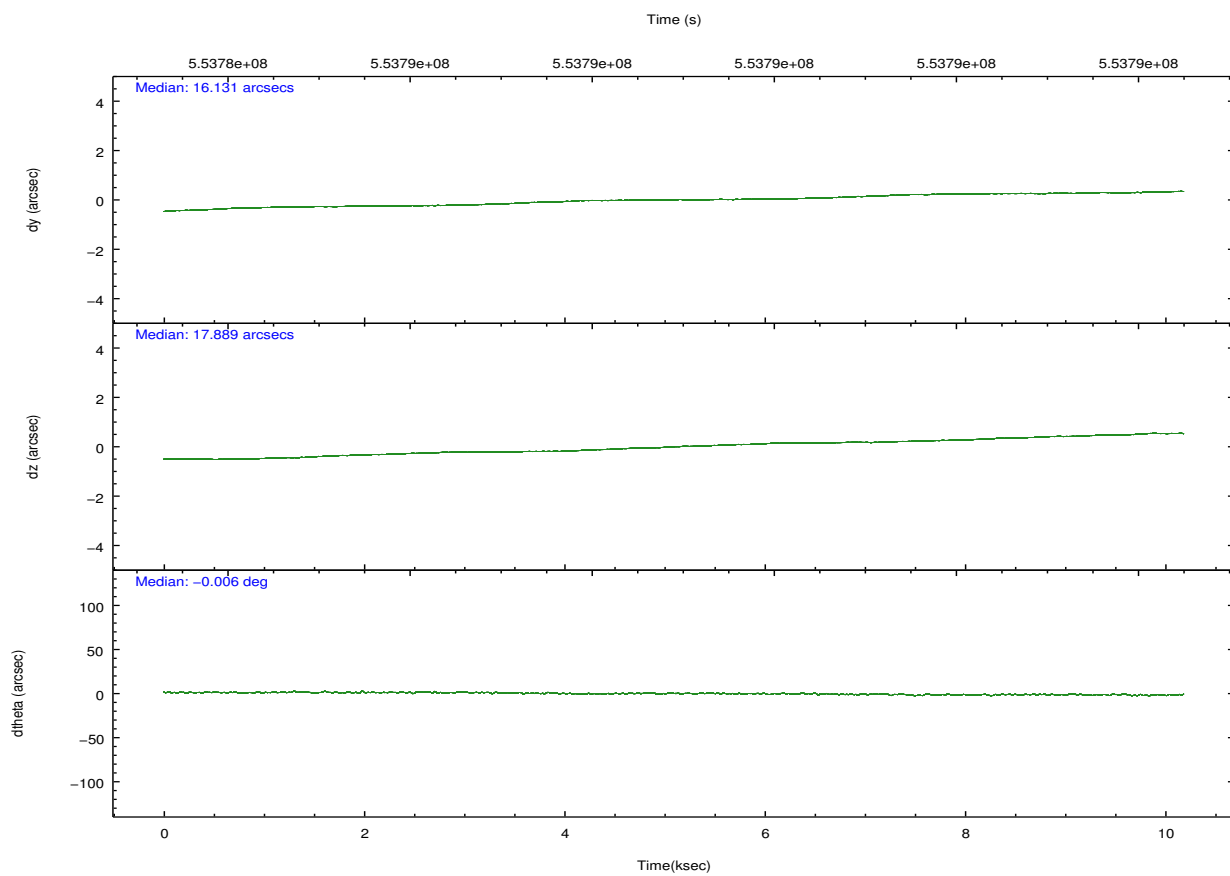
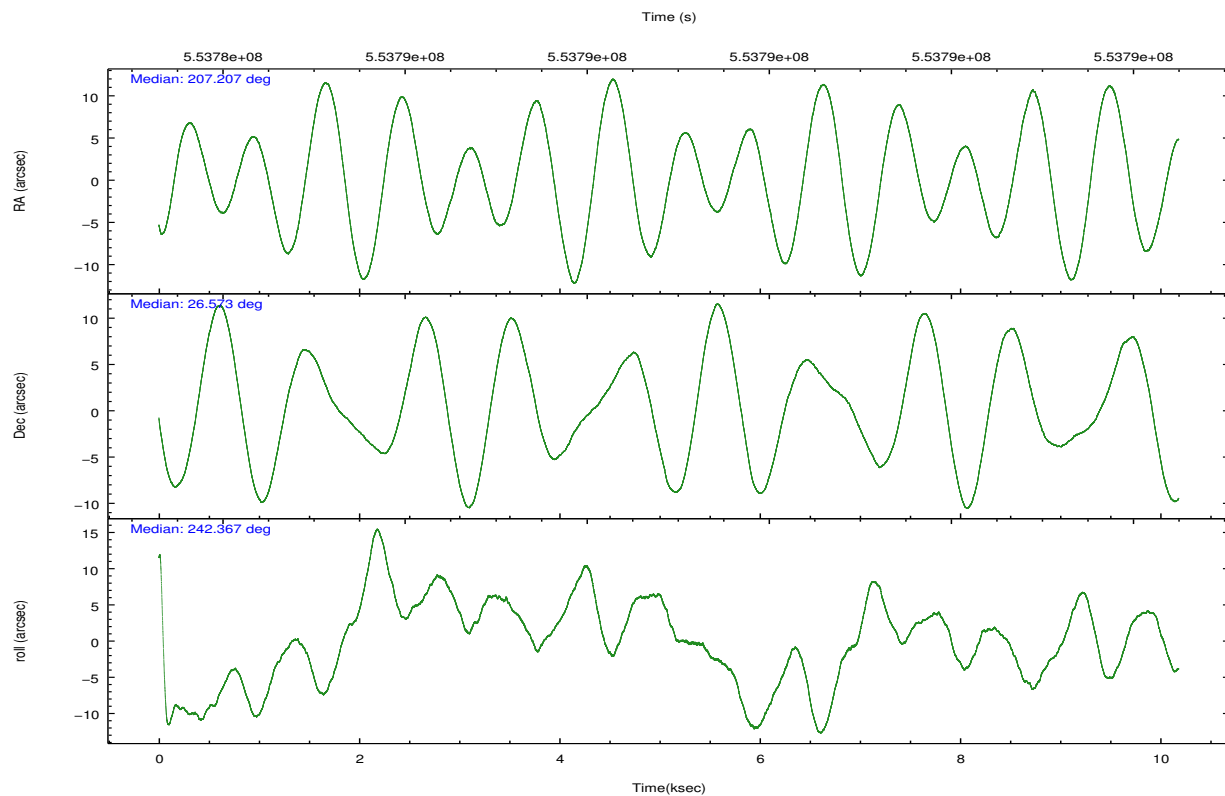
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	2290	2236	2776	5791	18597
	4%	4%	3%	10%	14%
grade 1 events	28	28	157	32	113
	0%	0%	0%	0%	0%
grade 2 events	1431	1235	12362	1957	22168
	2%	2%	14%	3%	16%
grade 3 events	604	613	1404	756	9670
	1%	1%	1%	1%	7%
grade 4 events	639	604	1334	747	9522
	1%	1%	1%	1%	7%
grade 5 events	2249	2647	6062	2632	7476
	4%	5%	7%	4%	5%
grade 6 events	1081	1206	22240	1619	31314
	2%	2%	26%	2%	23%
grade 7 events	39461	42663	38084	43841	32565
	82%	83%	45%	76%	24%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	207.205475	207.2071462453499	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.600500	26.57305315597291	Alternating exposures requested	N	N
[deg] Pointing Roll	242.214422	242.3703188181398	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-180.332523	-180.3266934278832			
[mm] SIM translation stage offset	-9.800000000000001	-9.805829155124599			
[s] Observation start time (MET)	553783987.184000	553782649.96007			
Observation start date	2015-07-20T12:51:59	2015-07-20T12:30:49			
[s] Observation end time (MET)	553793987.184000	553794498.44824			
Observation end date	2015-07-20T15:38:39	2015-07-20T15:48:18			
Read mode	TIMED	TIMED			

2.3 Aspect



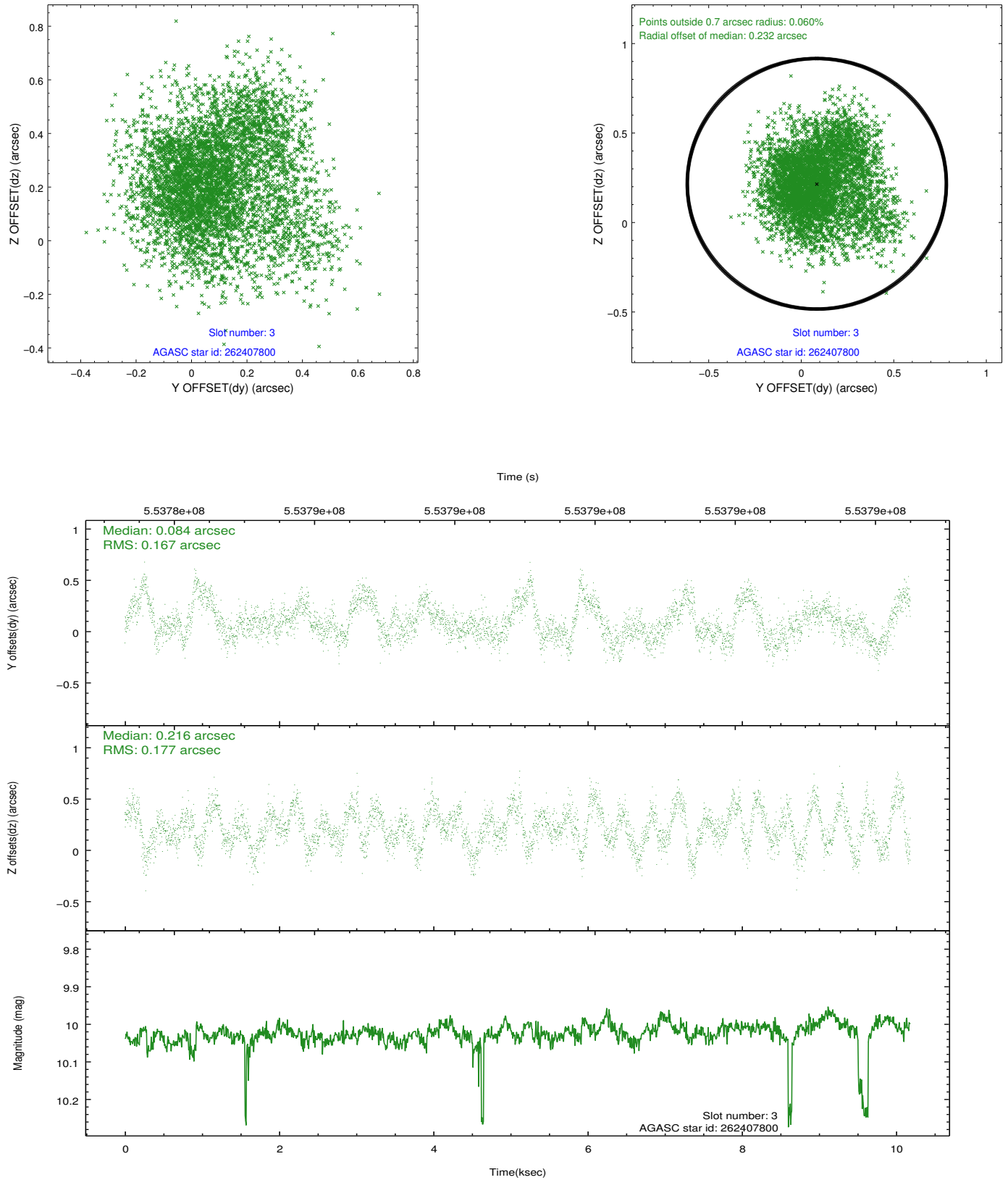


Slot Statistics

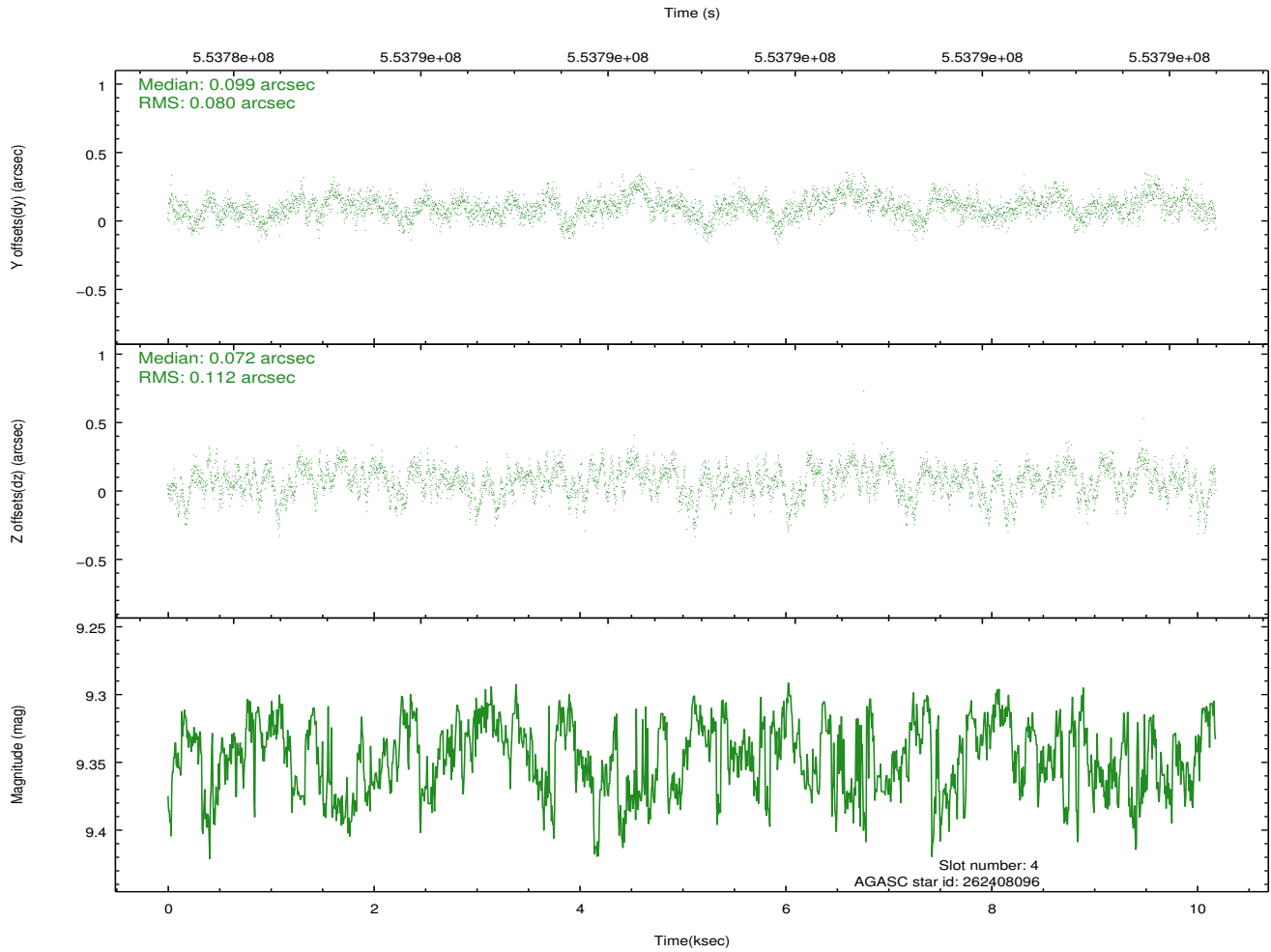
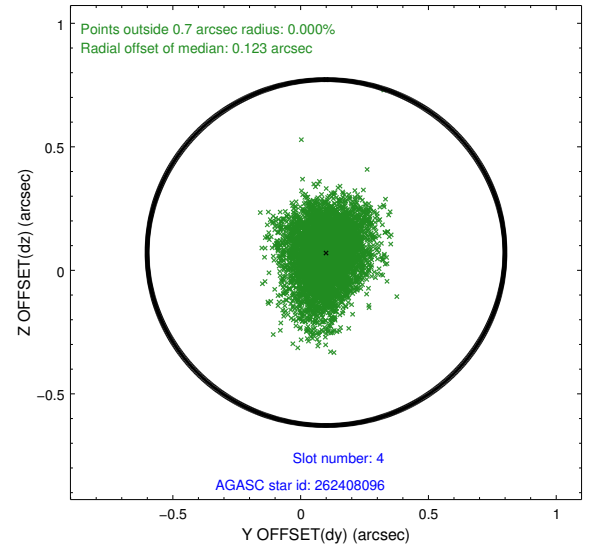
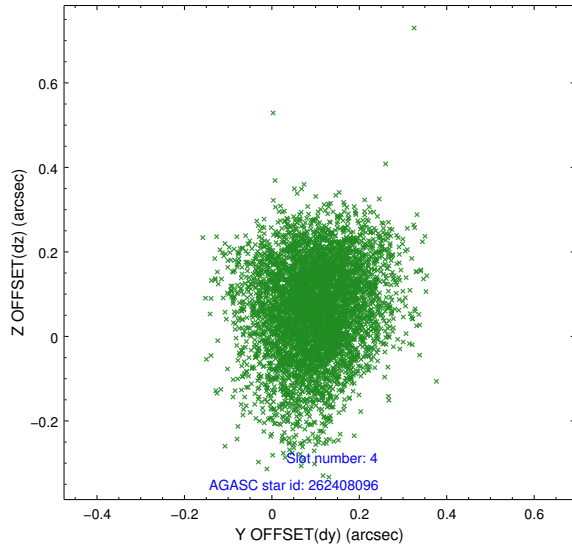
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.10	2484	0.143	0.180	0.015	0.027	0.000000	0.000000	927.79	-1936.71
1	FID		ACIS-S-2	7.00	2484	-0.263	-0.155	0.019	0.031	0.000000	0.000000	-768.23	-1942.22
2	FID		ACIS-S-6	7.33	2484	0.100	-0.019	0.015	0.024	0.000000	0.000000	393.16	603.80
3	GUIDE	used	262407800	10.02	4965	0.084	0.216	0.262	0.420	207.321181	27.251762	-2244.83	-767.48
4	GUIDE	used	262408096	9.34	4964	0.099	0.072	0.145	0.241	207.011678	26.515421	561.51	-410.21
5	GUIDE	used	262408936	9.69	4962	0.201	-0.117	0.218	0.340	207.154731	26.726554	-324.84	-355.59
6	GUIDE	used	262411960	9.62	4954	-0.108	-0.070	0.168	0.255	207.327895	25.881727	2104.22	1557.13
7	GUIDE	used	262407608	9.32	4964	-0.301	-0.084	0.169	0.284	207.378401	26.435507	265.58	770.51

2.4 Star Slots

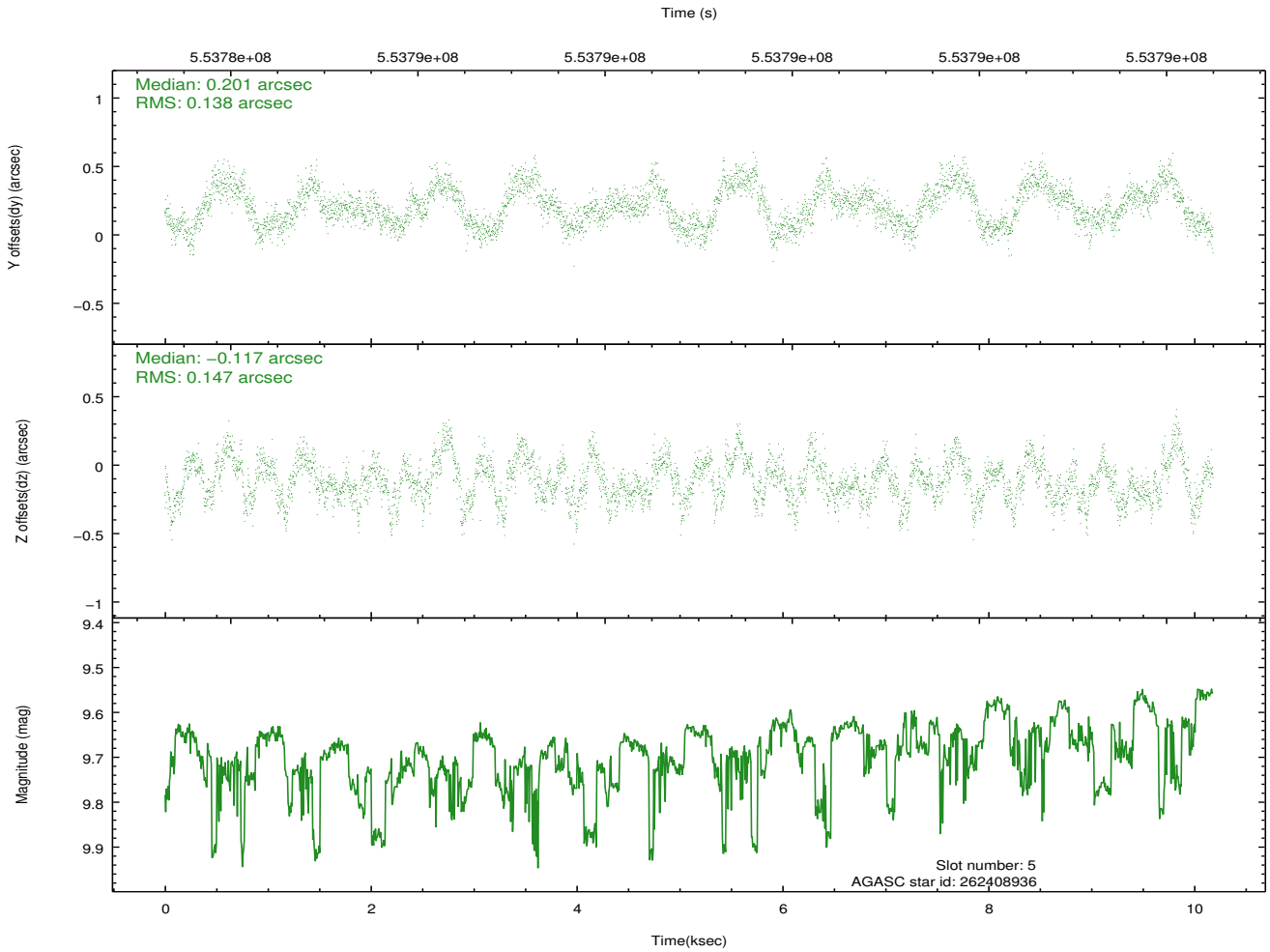
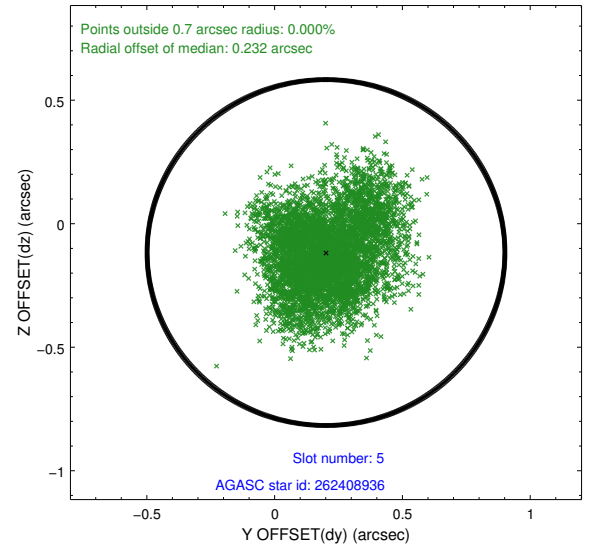
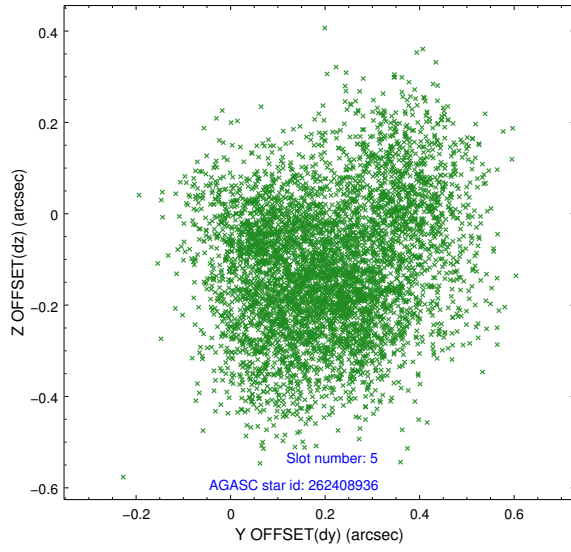
2.4.1 Slot 3



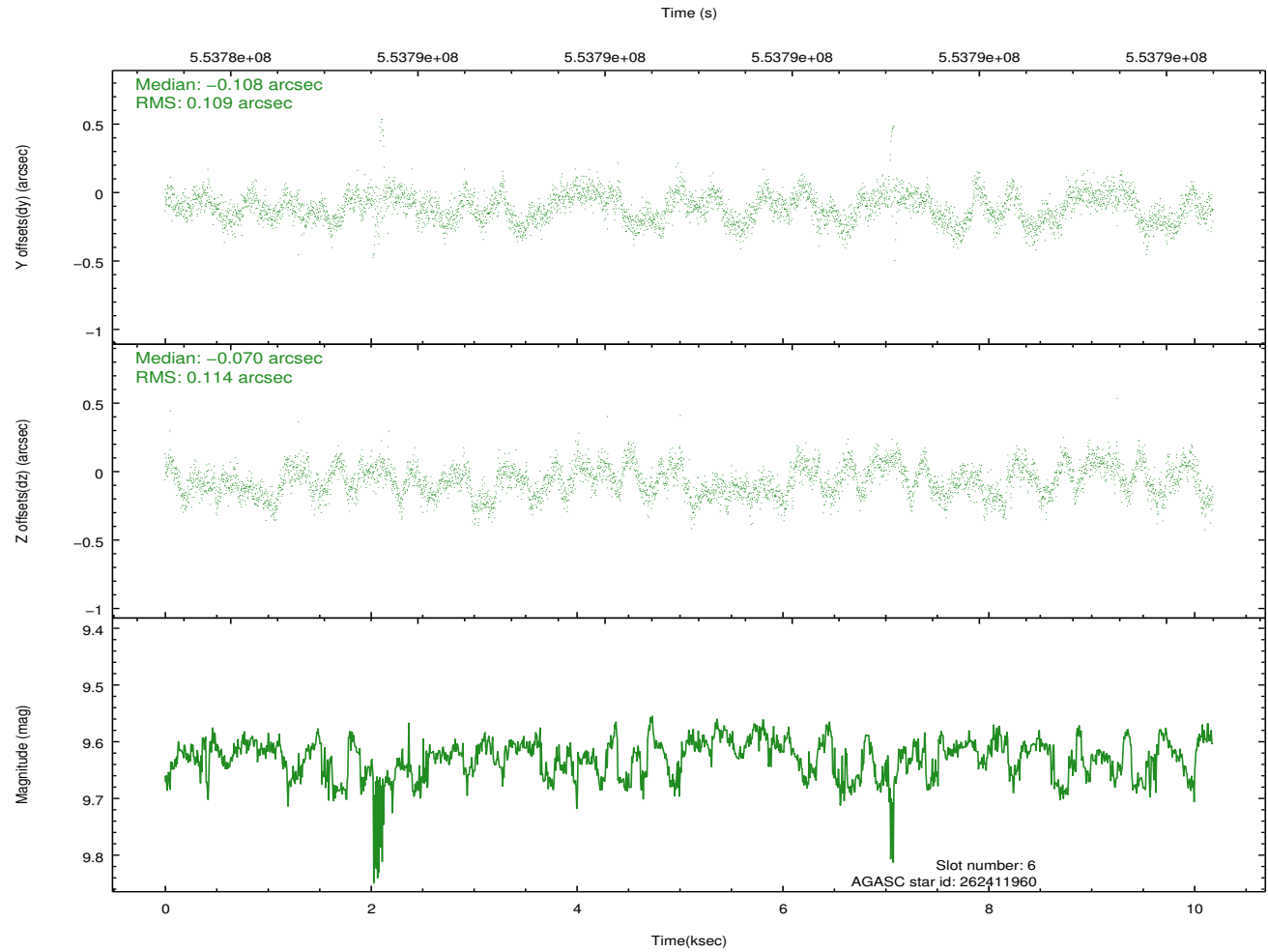
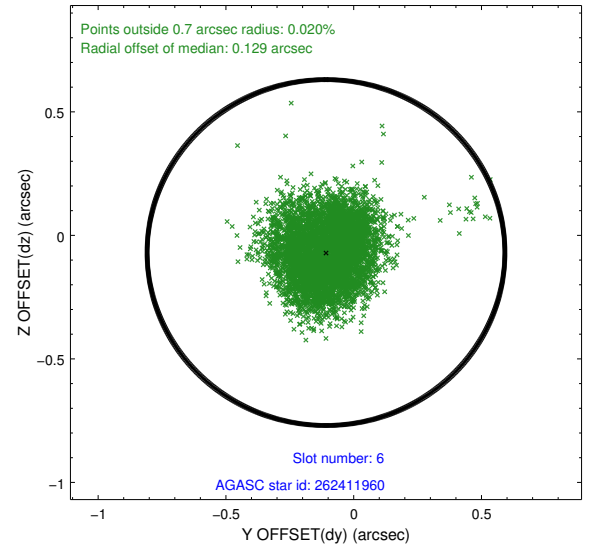
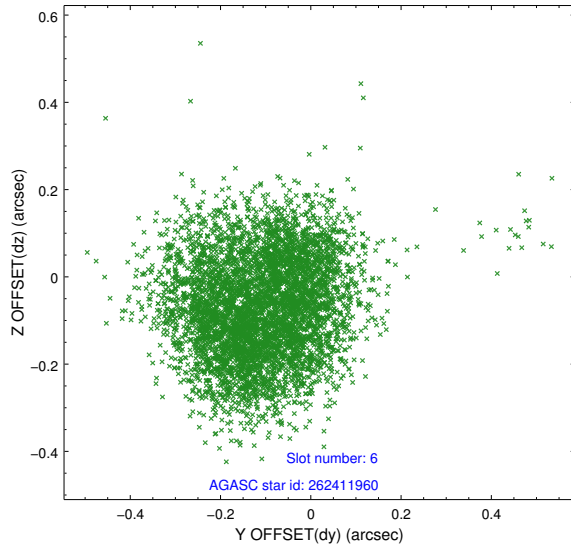
2.4.2 Slot 4



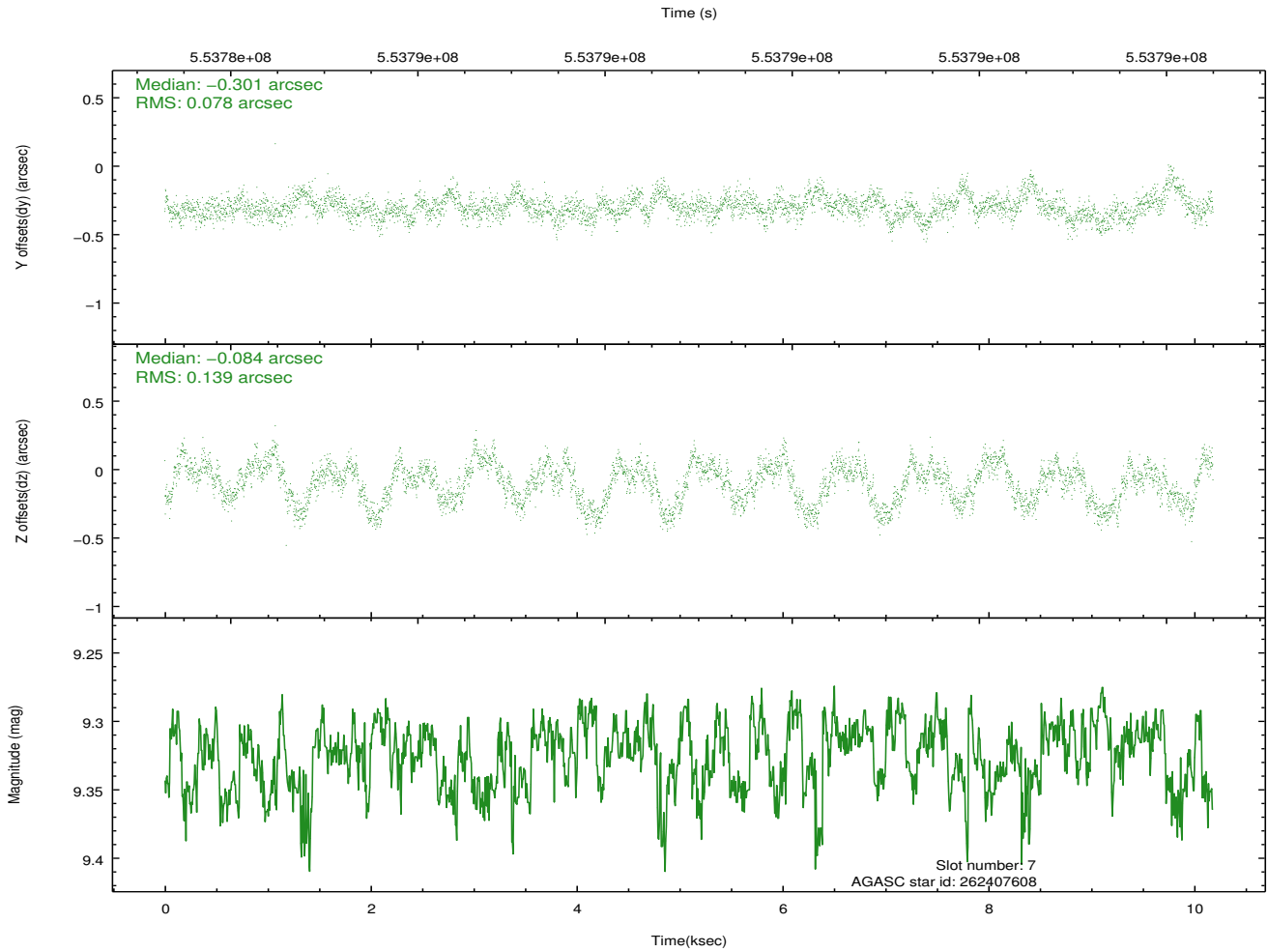
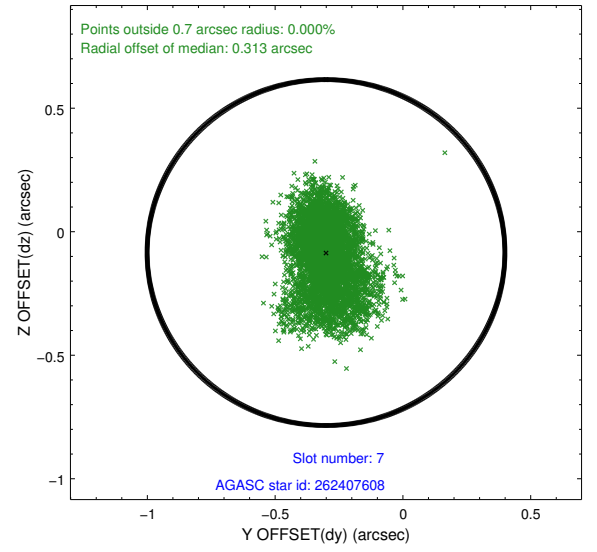
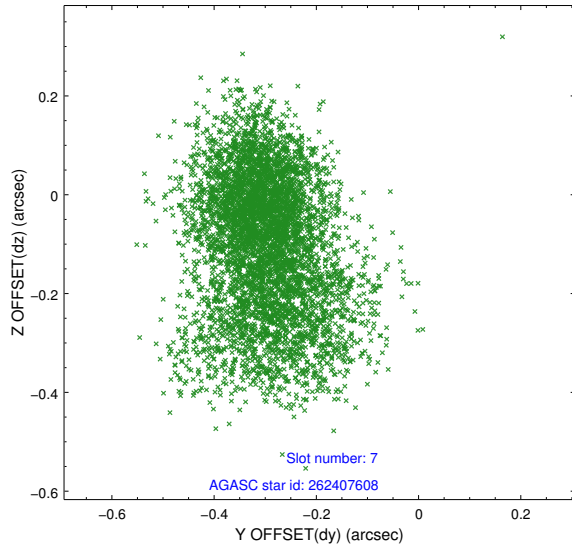
2.4.3 Slot 5



2.4.4 Slot 6

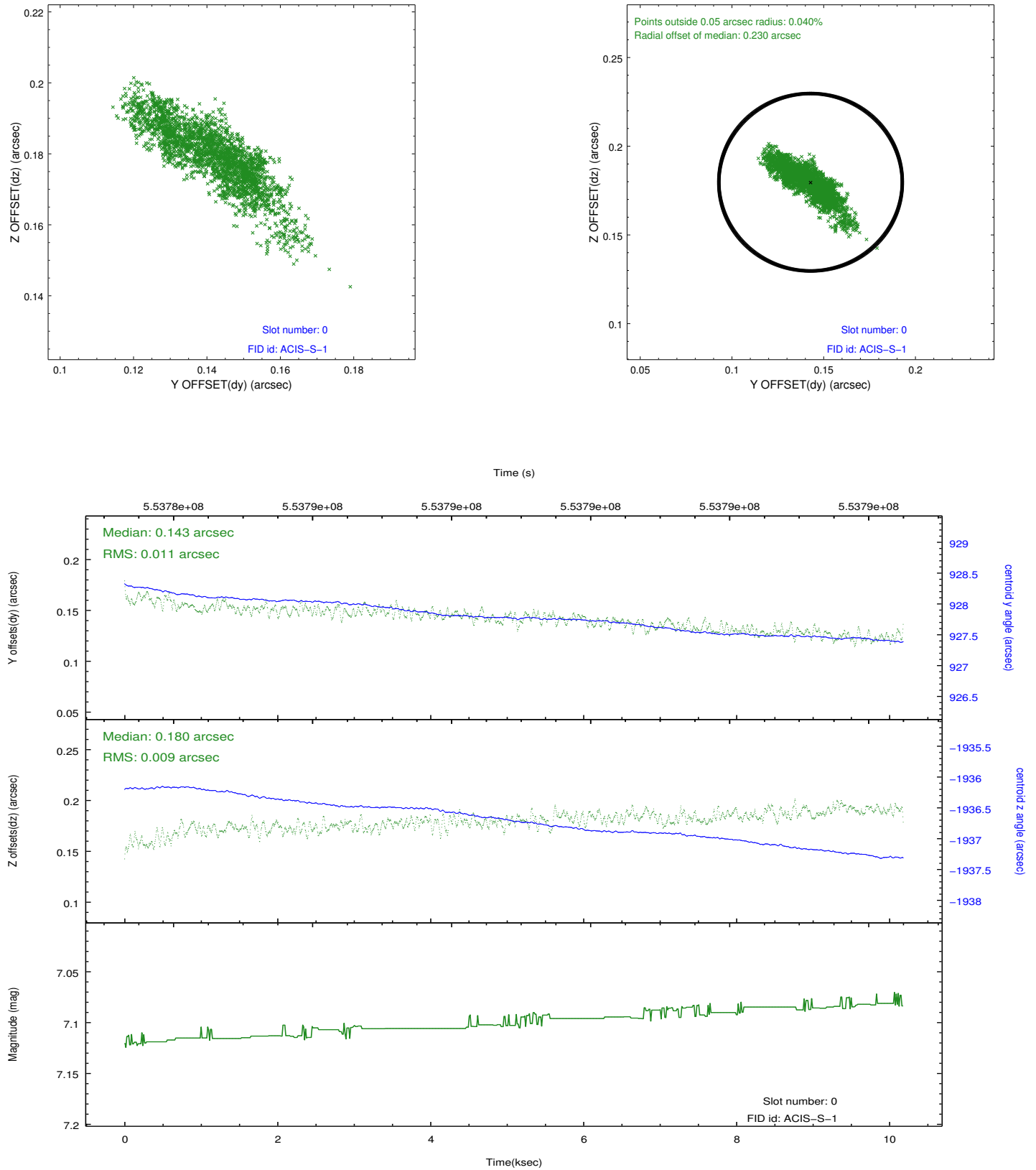


2.4.5 Slot 7

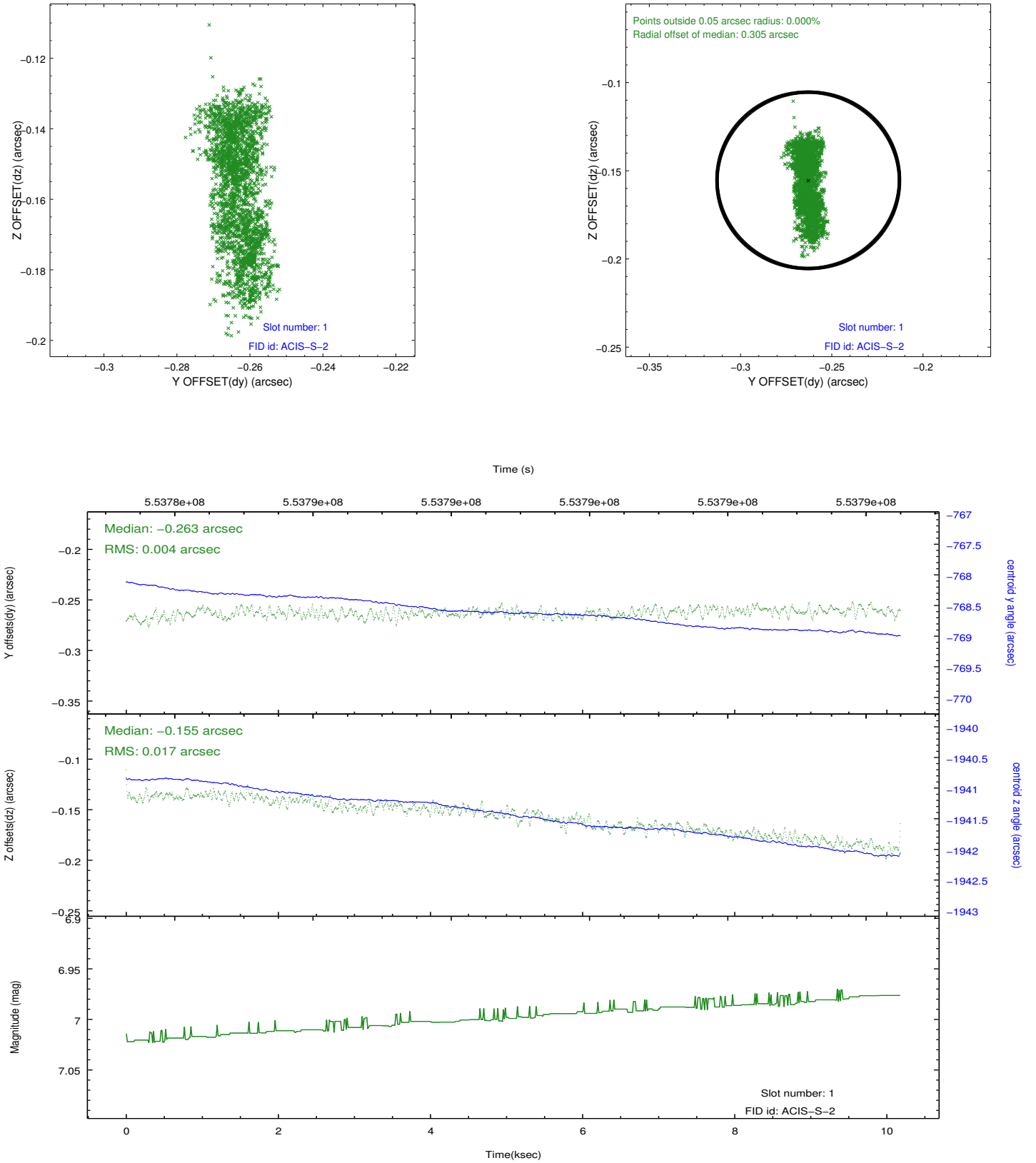


2.5 FID Slots

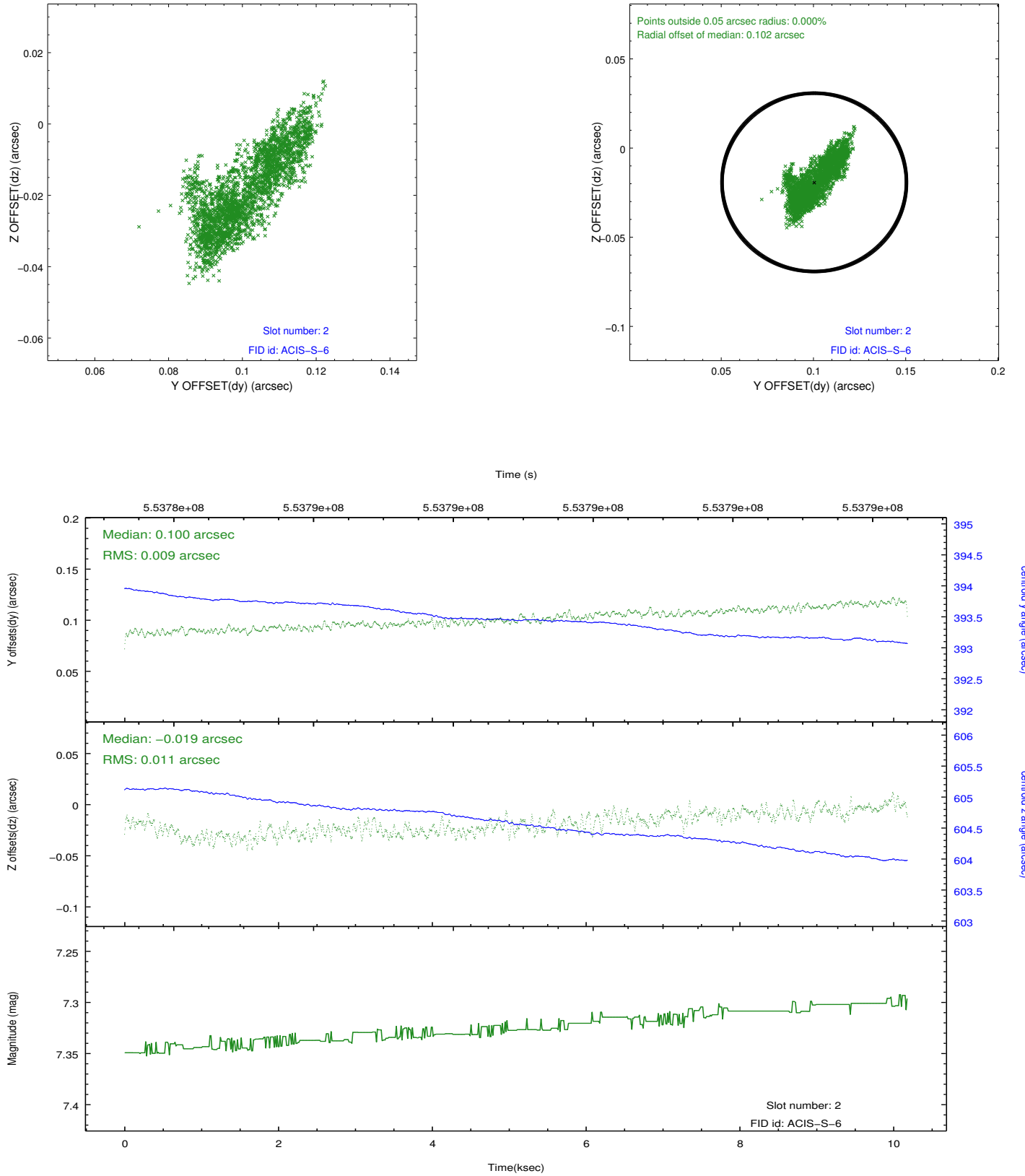
2.5.1 Slot 0



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)	2015.07.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.062137722731

A.2 Comments