

V&V Reference Report

L2 ASCDS Version : 10.6.4.1

Observation 21732 - L2 Version 1
Chandra X-Ray Center

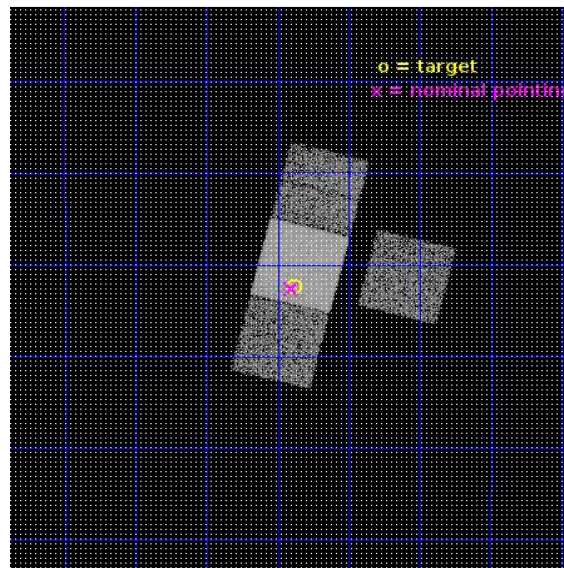
L2 Processing Date : Sep 15 2018

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1 Front

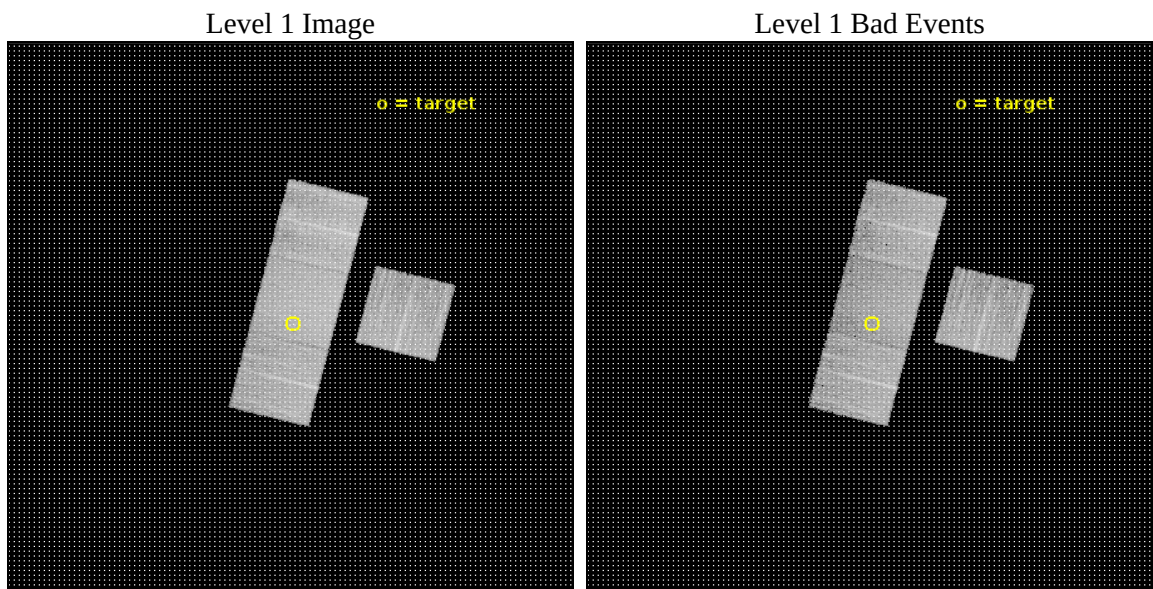
seq_num	703832	Sequence number
obs_id	21732	Observation id
title	Witnessing the Birth of a Blazar	Proposal title
observer	Vaidehi Paliya	Principal investigator
object	TXS 2116-077	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	319.720833	Observer's specified target RA [deg]
dec_targ	-7.541	Observer's specified target Dec [deg]
ra_nom	319.7259518137	Nominal RA [deg]
dec_nom	-7.543391948396	Nominal Dec [deg]
roll_nom	284.15733279358	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10062.60007751	Sum of GTIs [s]
livetime	9931.1247995188	Livetime [s]
ontime3	10062.60007751	Sum of GTIs [s]
ontime6	10062.60007751	Sum of GTIs [s]
ontime7	10062.60007751	Sum of GTIs [s]
ontime8	10062.60007751	Sum of GTIs [s]
l2events	63902	Number of level 2 events



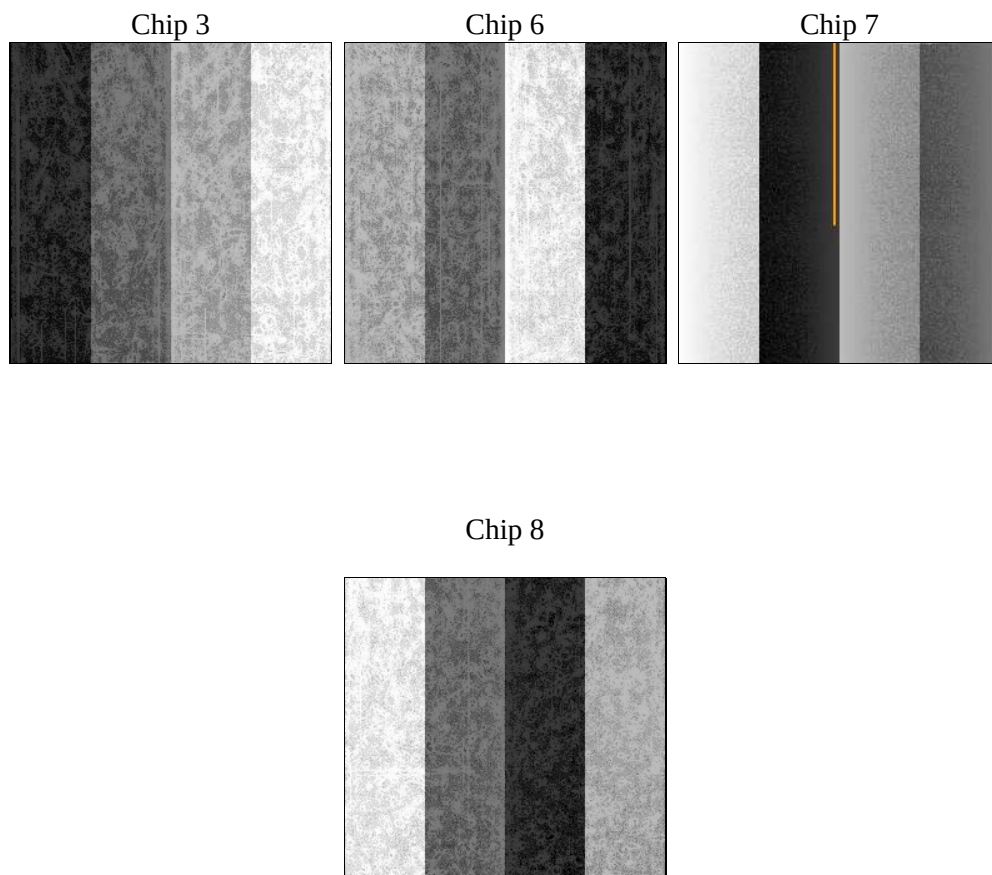
2 OBI

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	10.6.4.1	Processing system revision	ontime	10062.60007751	Sum of GTIs [s]
caldsver	4.8.0	 	ontime3	10062.60007751	Sum of GTIs [s]
date	2018-09-15T20:33:13	Date and time of file creation	ontime6	10062.60007751	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	10062.60007751	Sum of GTIs [s]
			ontime8	10062.60007751	Sum of GTIs [s]
			l1events	359167	Number of level 1 events

2.1.4 Events

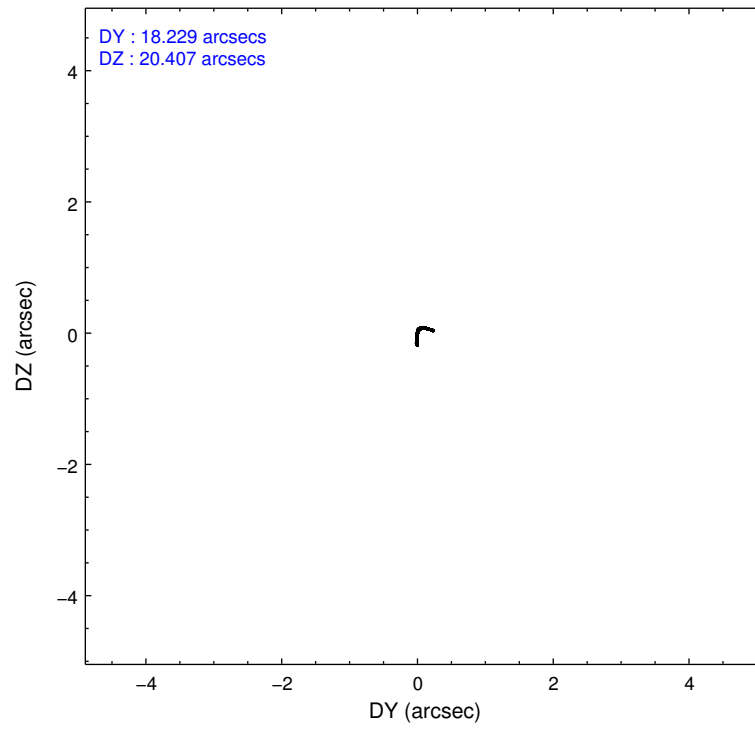
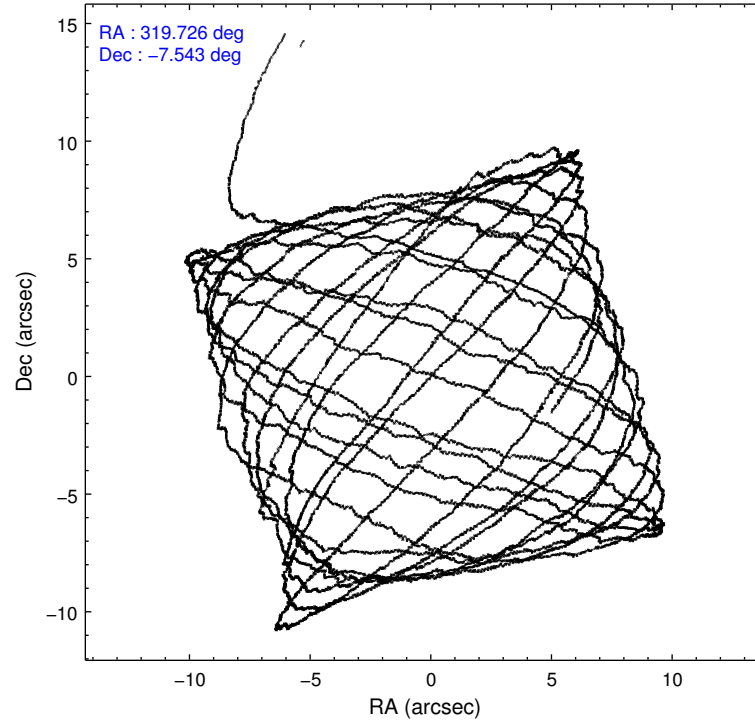
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	78380	82199	98917	99671
rejected events	70712	73635	56207	74136
rejected %	90%	89%	56%	74%

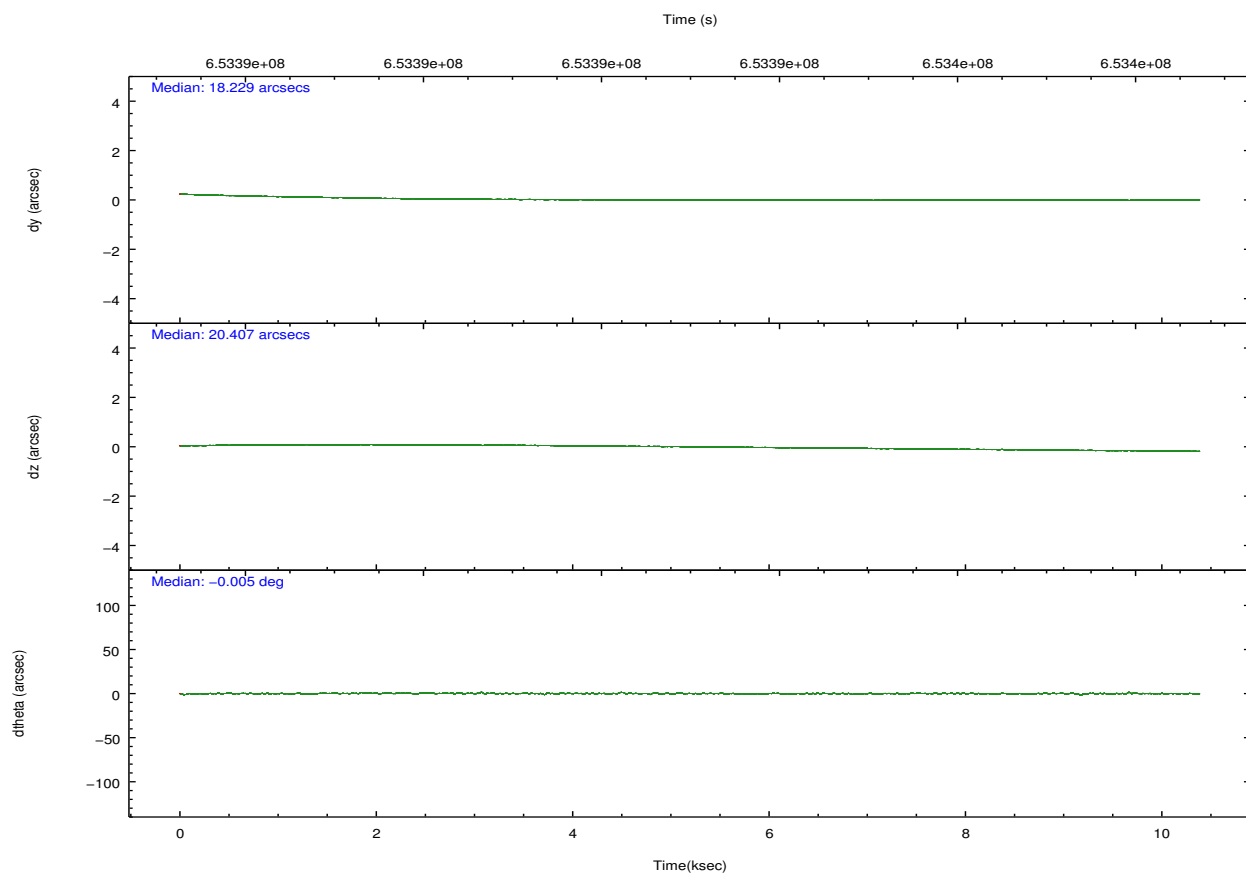
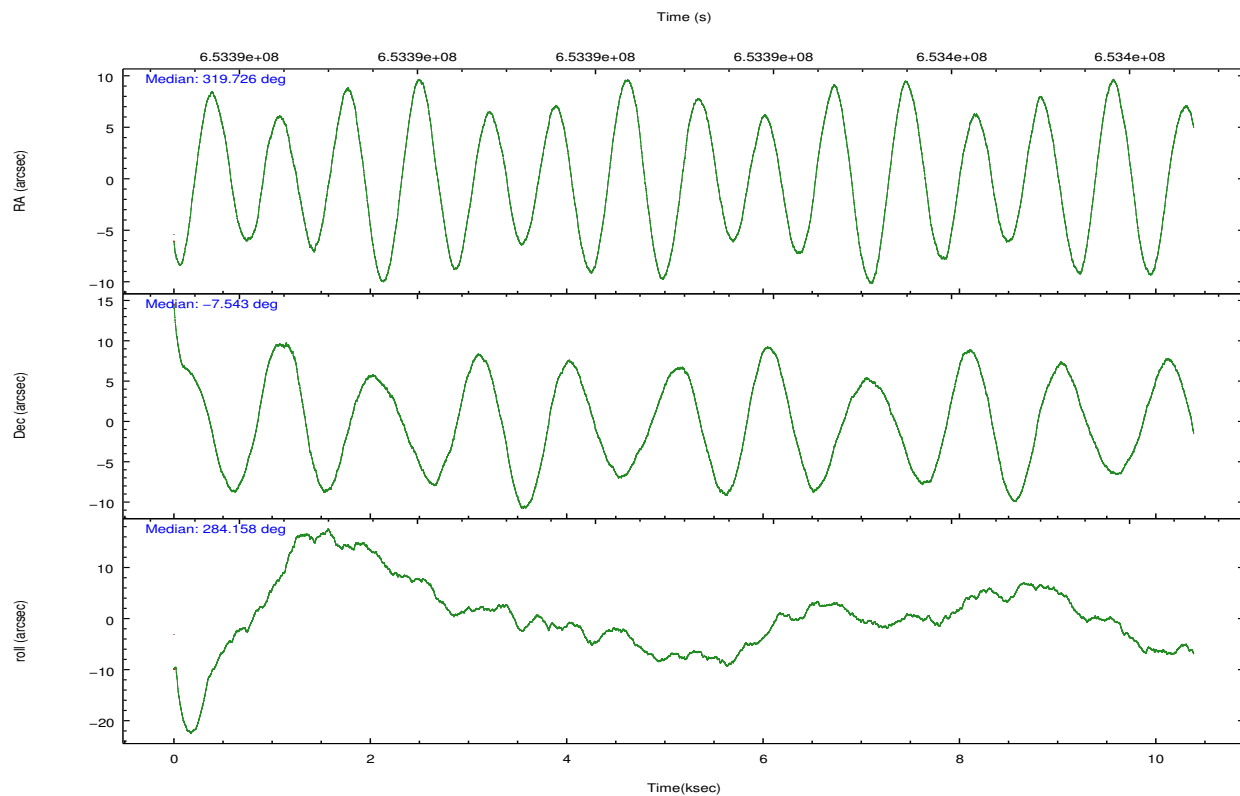
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2532	2533	3683	7003
	3%	3%	3%	7%
grade 1 events	43	27	132	82
	0%	0%	0%	0%
grade 2 events	1655	2246	8822	6180
	2%	2%	8%	6%
grade 3 events	864	733	3472	2716
	1%	0%	3%	2%
grade 4 events	827	785	3357	2550
	1%	0%	3%	2%
grade 5 events	3482	3259	9615	5163
	4%	3%	9%	5%
grade 6 events	1795	2271	23387	7093
	2%	2%	23%	7%
grade 7 events	67182	70345	46449	68884
	85%	85%	46%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	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	319.706386	319.7259518136956	CCD I2 on	O1	N
[deg] Pointing Dec	-7.524029	-7.543391948396007	CCD I3 on	O2	Y
[deg] Pointing Roll	283.998110	284.1573327935821	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	Y	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	Y	Y
[s] Observation start time (MET)	653388192.184000	653387152.40359	CCD S5 on	N	N
Observation start date	2018-09-15T08:42:03	2018-09-15T08:25:52	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	653398192.184000	653399254.0668	On-chip summing requested	N	N
Observation end date	2018-09-15T11:28:43	2018-09-15T11:47:34	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



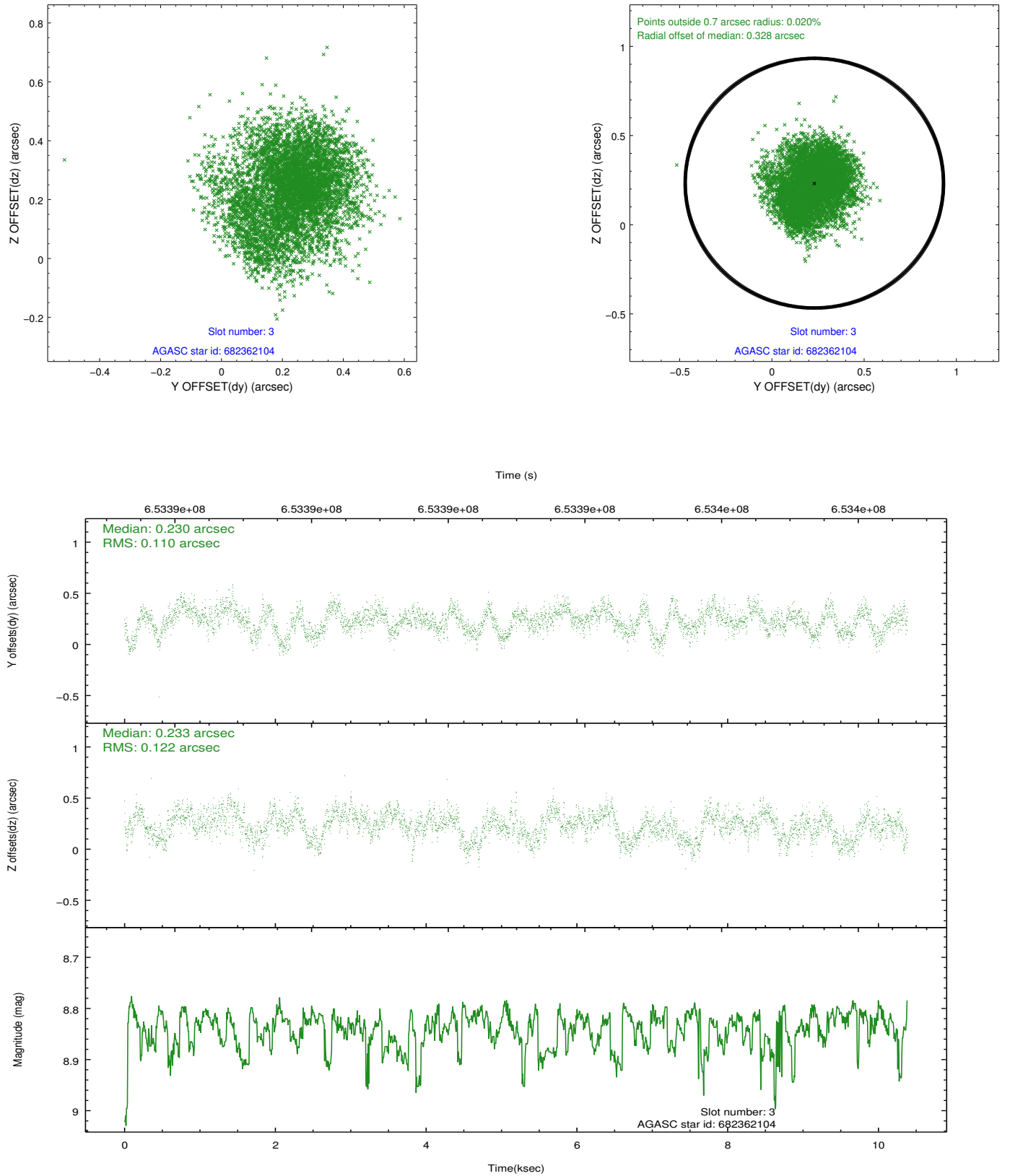


Slot Statistics

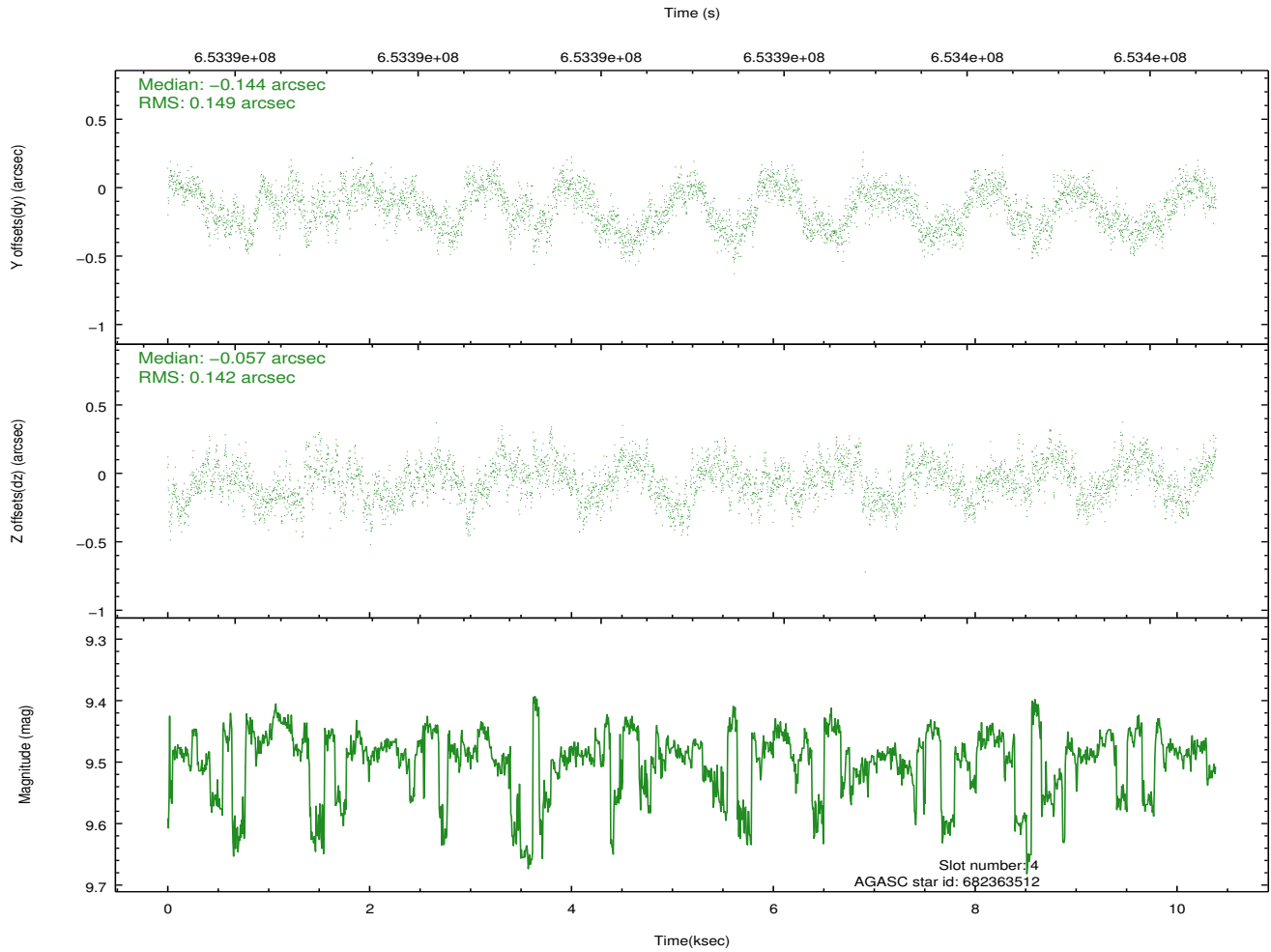
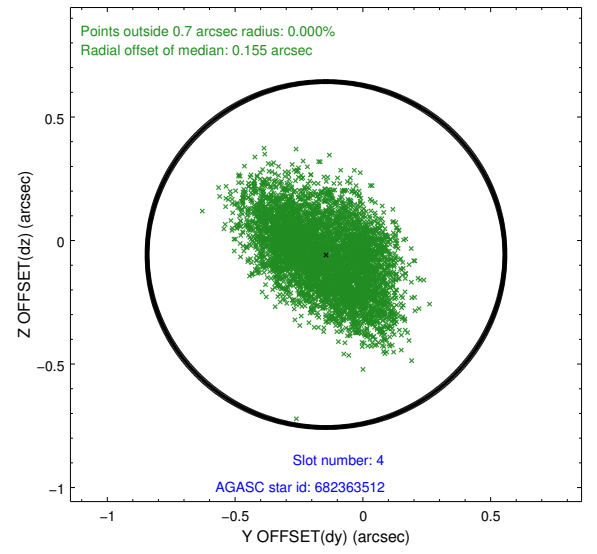
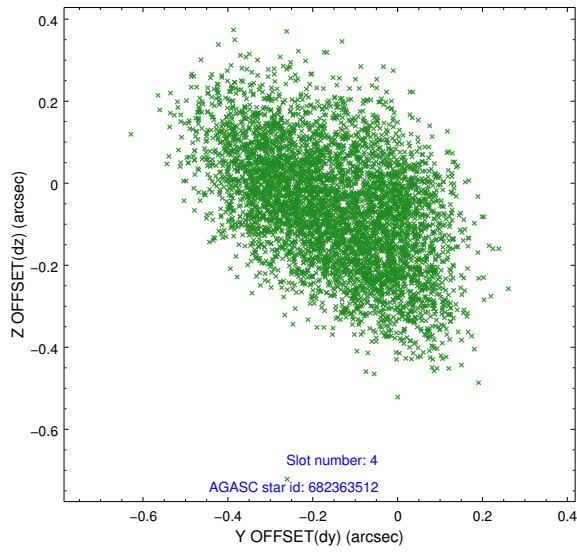
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.11	2534	1.000	-0.230	-0.110	0.007	0.012	0.000000	0.000000	-771.51	-1742
1	FID		ACIS-S-4	7.19	2534	1.000	0.550	0.141	0.006	0.011	0.000000	0.000000	2142.27	166
2	FID		ACIS-S-5	7.19	2534	1.000	-0.351	-0.022	0.007	0.011	0.000000	0.000000	-1823.87	160
3	GUIDE	used	682362104	8.84	5062	1.000	0.230	0.233	0.182	0.274	319.591740	-7.358492	-676.26	-253
4	GUIDE	used	682363512	9.49	5060	1.000	-0.144	-0.057	0.220	0.353	319.987498	-6.990026	-1621.27	1439
5	GUIDE	used	756555208	9.43	5061	1.000	-0.015	0.150	0.245	0.497	319.663569	-8.039589	1766.47	-591
6	GUIDE	used	756679440	9.54	5061	1.000	-0.035	-0.250	0.222	0.398	320.012658	-8.121811	2353.32	538
7	GUIDE	used	682363528	7.92	5062	1.000	-0.032	-0.060	0.116	0.195	319.749181	-7.138911	-1306.74	484

2.4 Star Slots

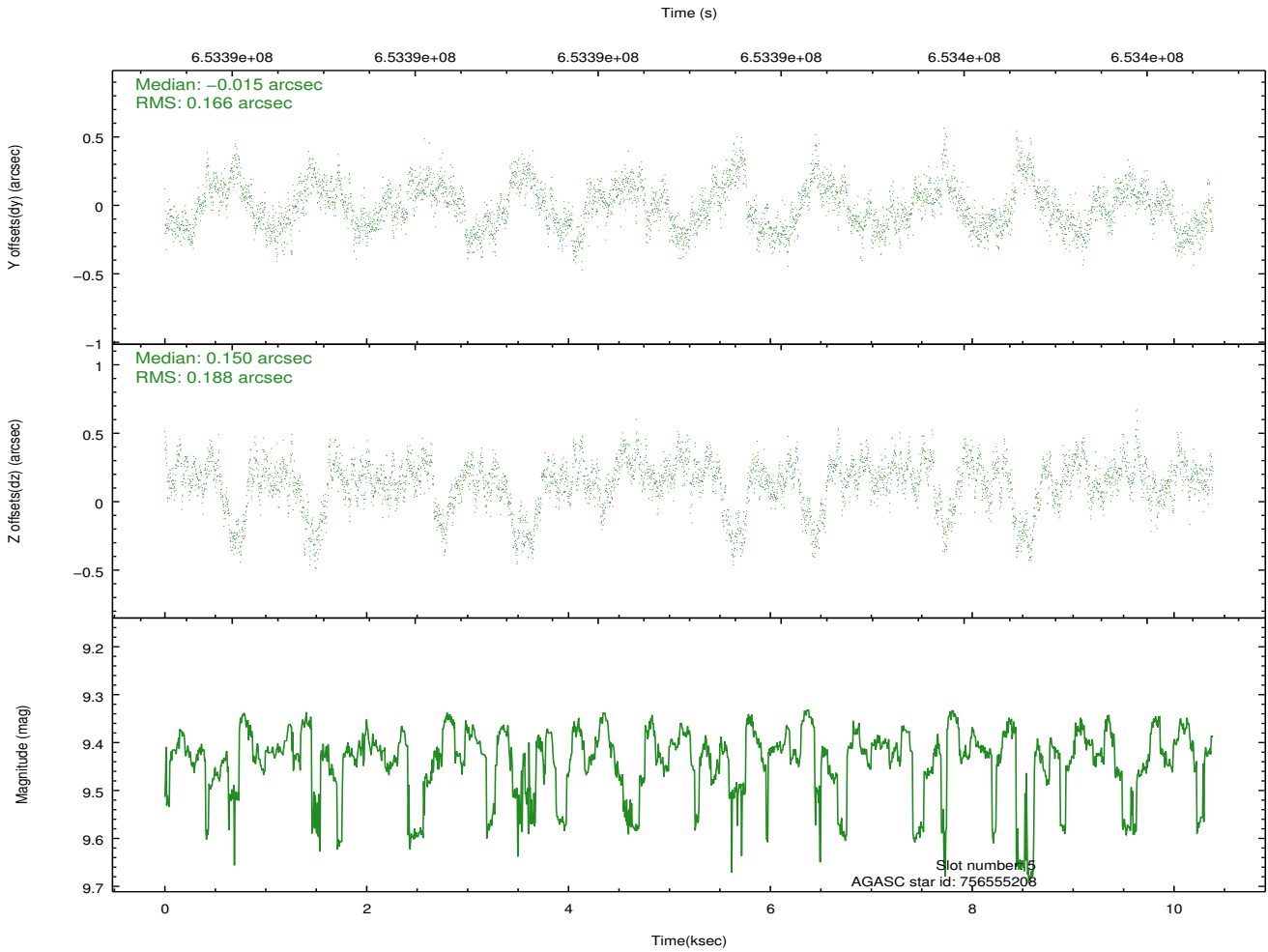
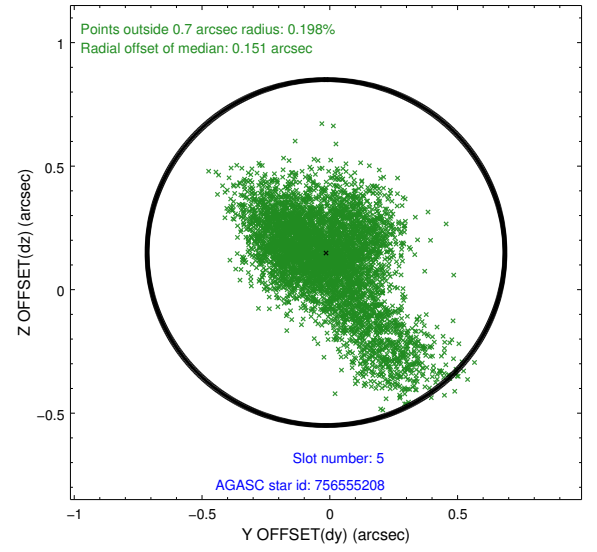
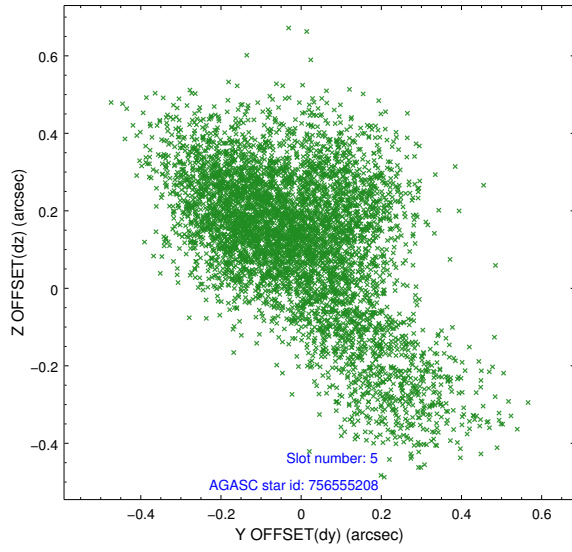
2.4.1 Slot 3



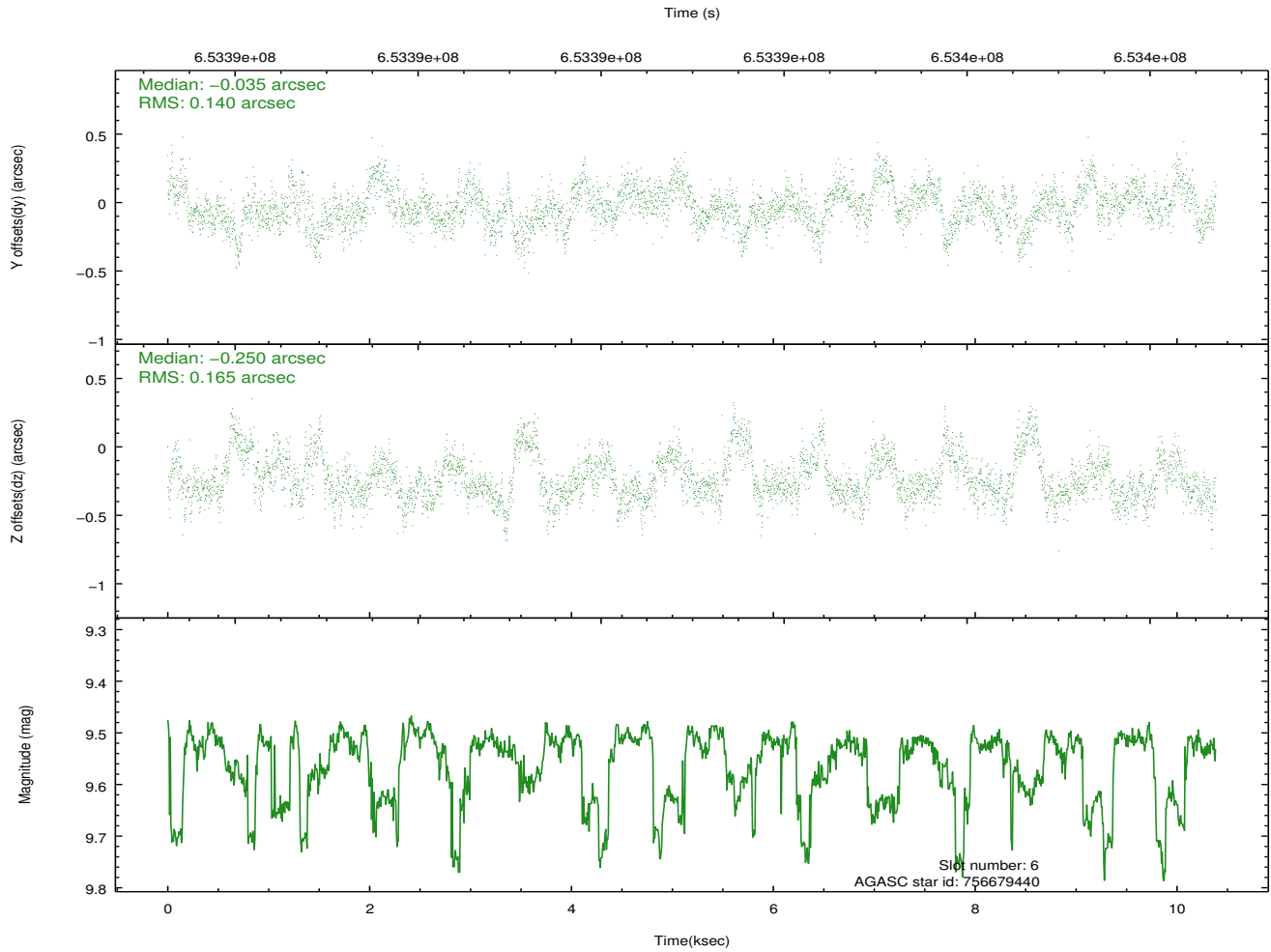
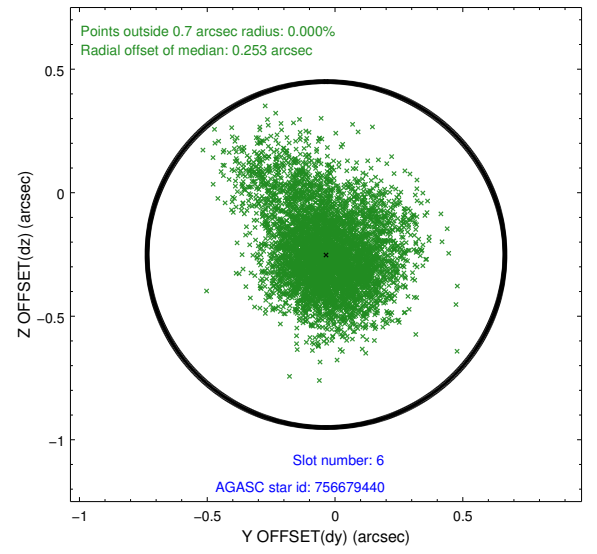
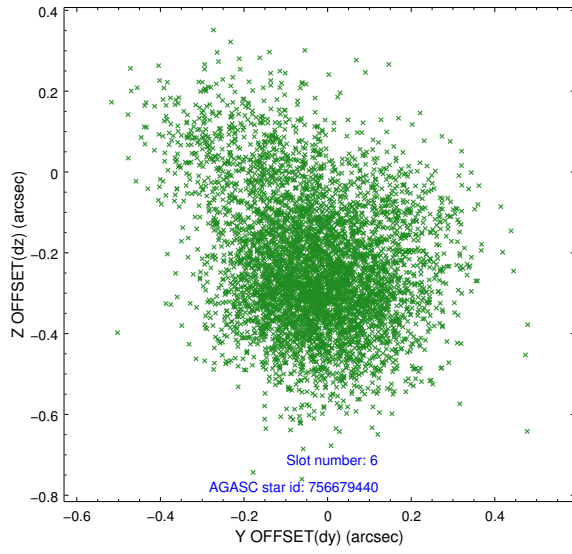
2.4.2 Slot 4



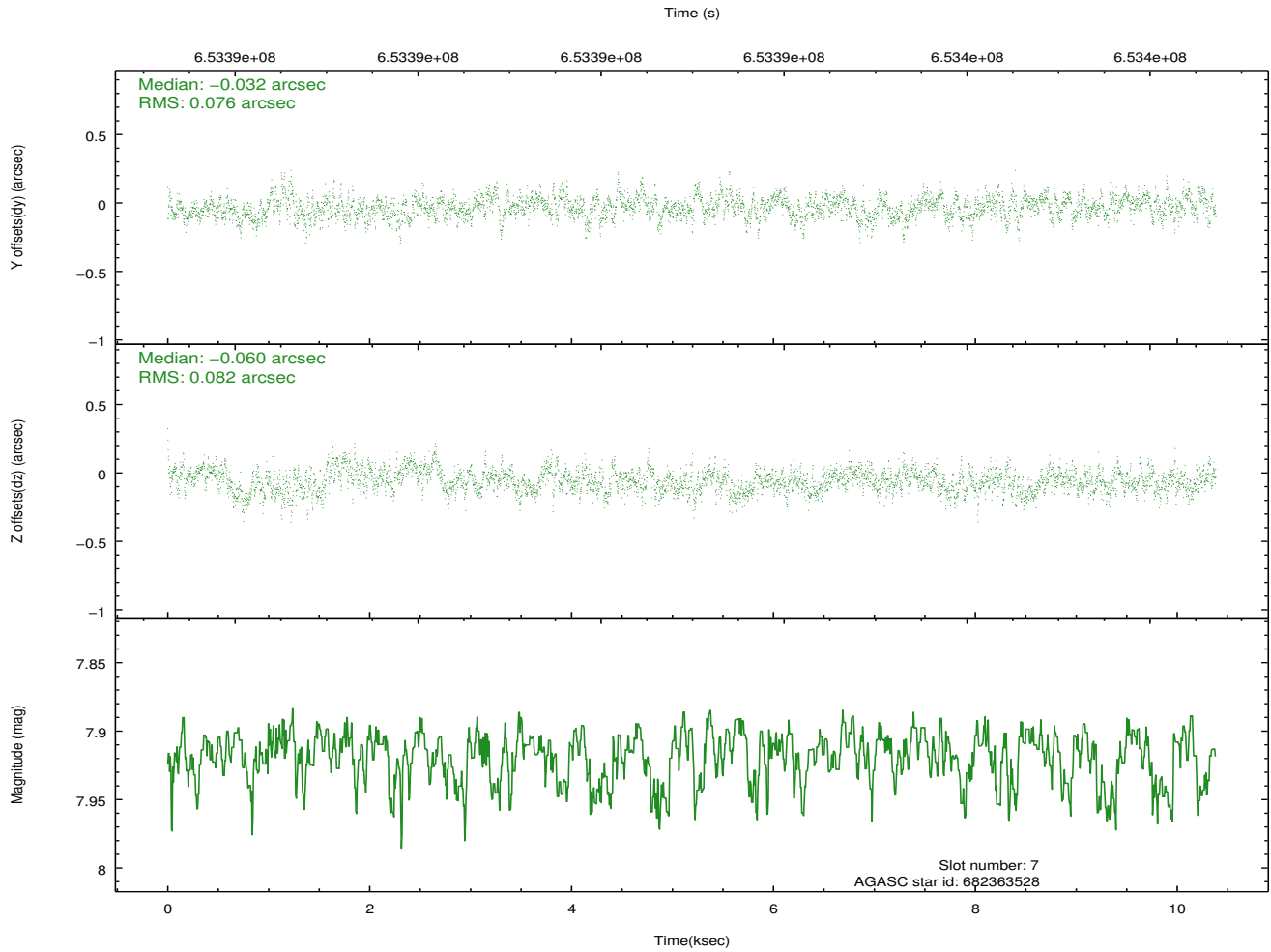
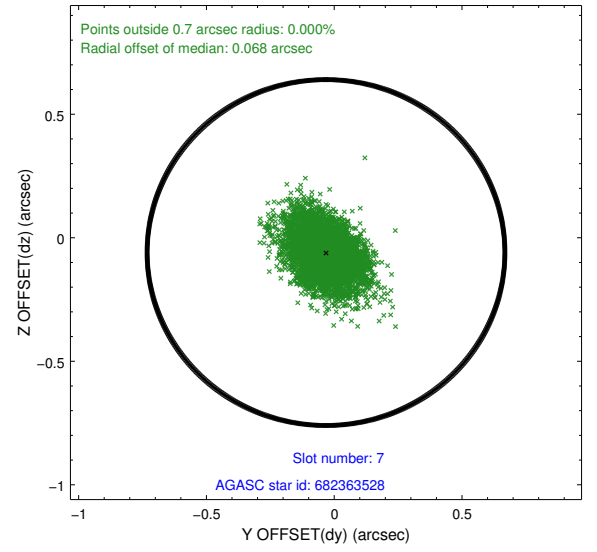
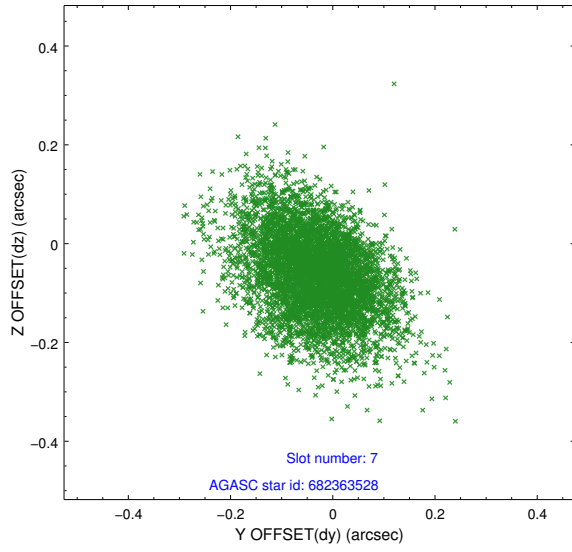
2.4.3 Slot 5



2.4.4 Slot 6

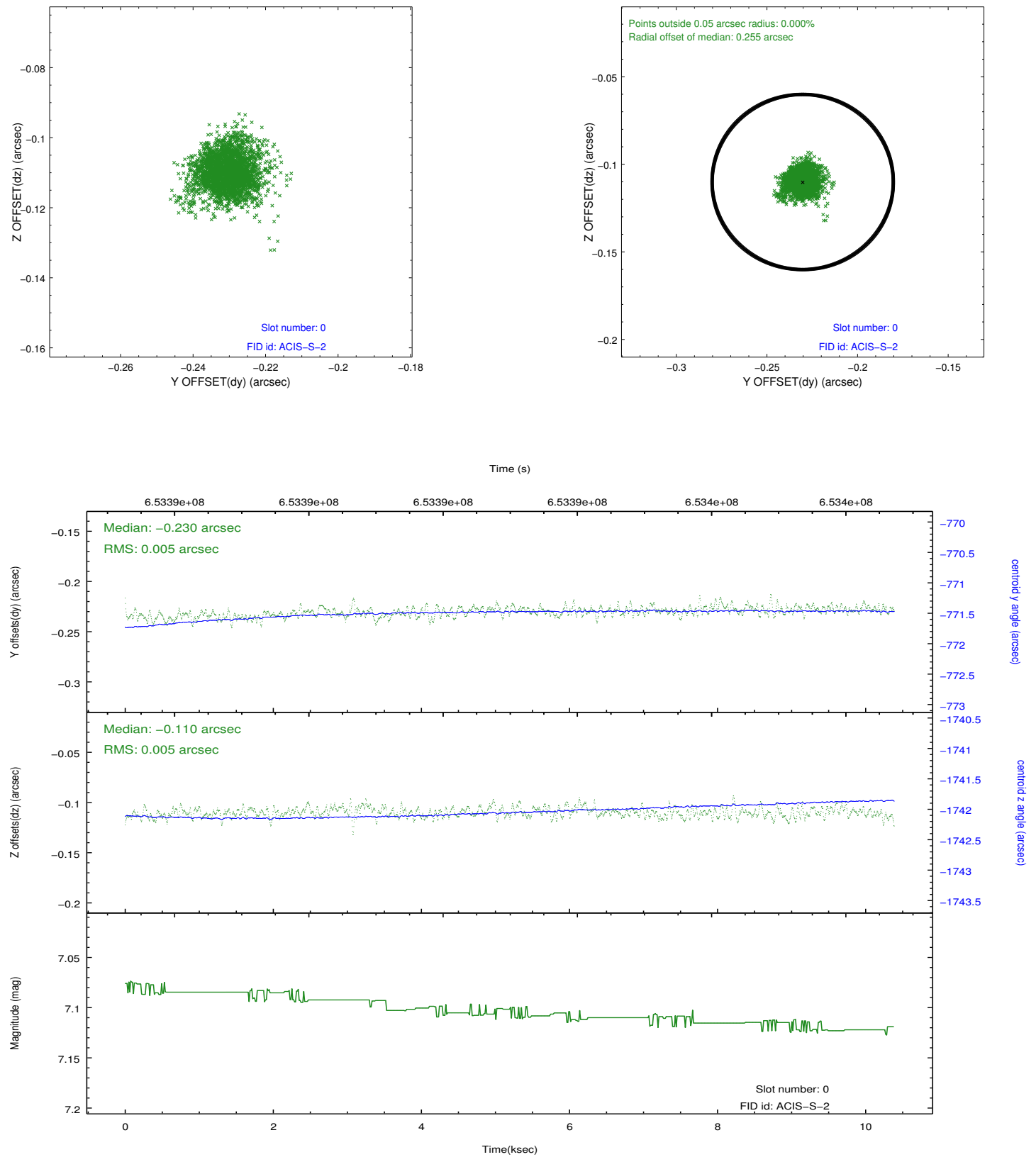


2.4.5 Slot 7

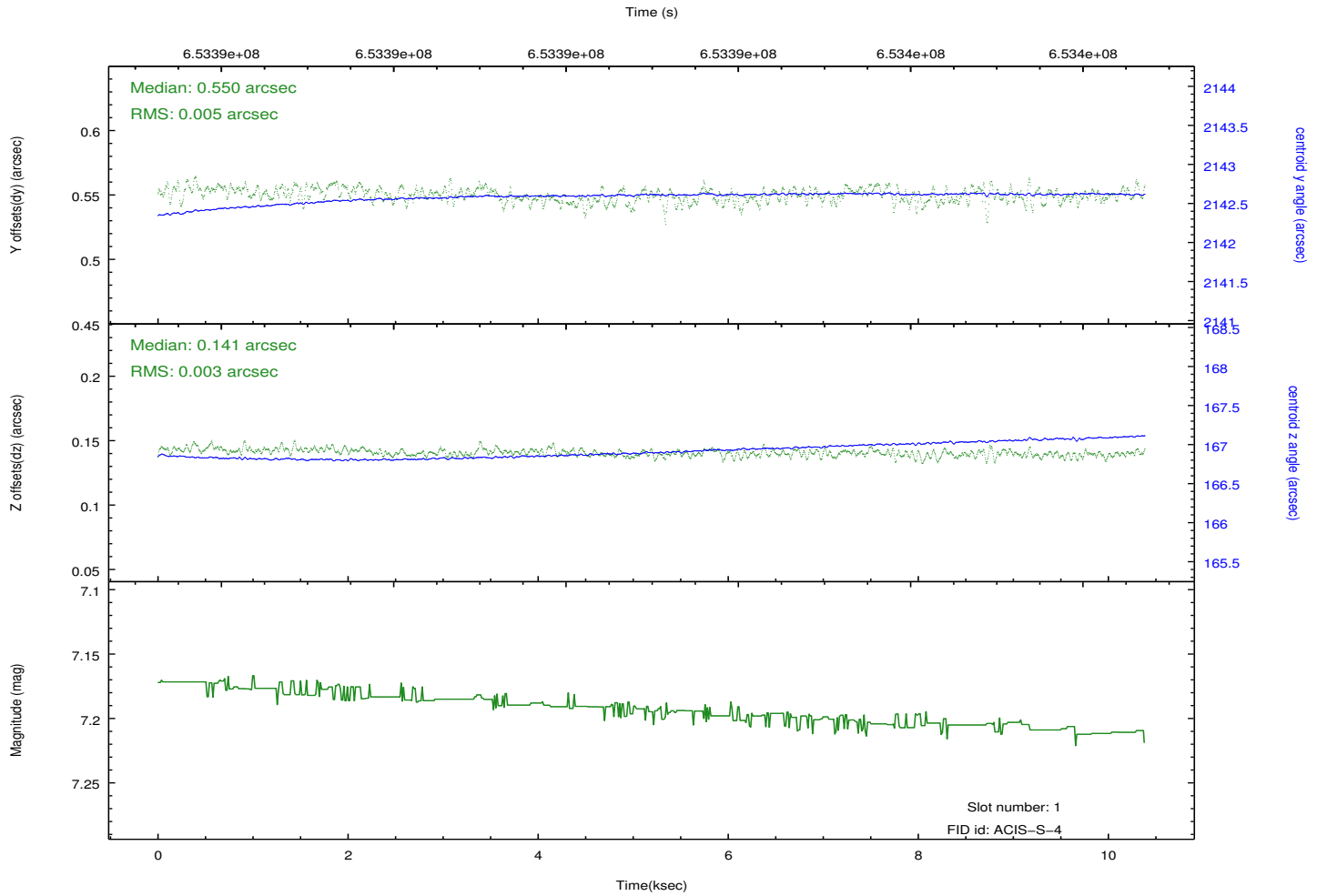
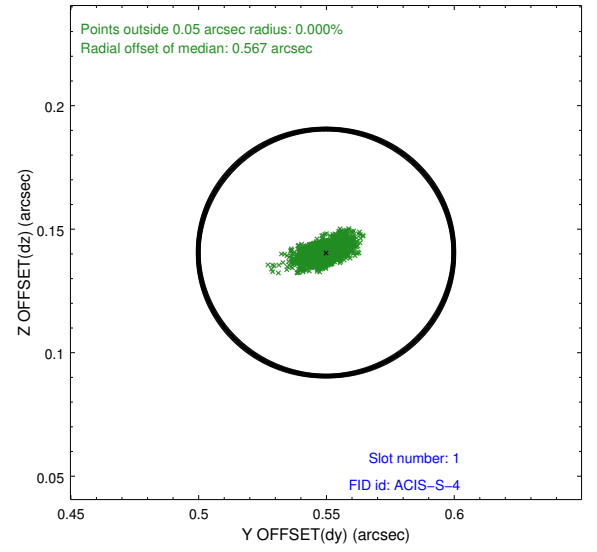
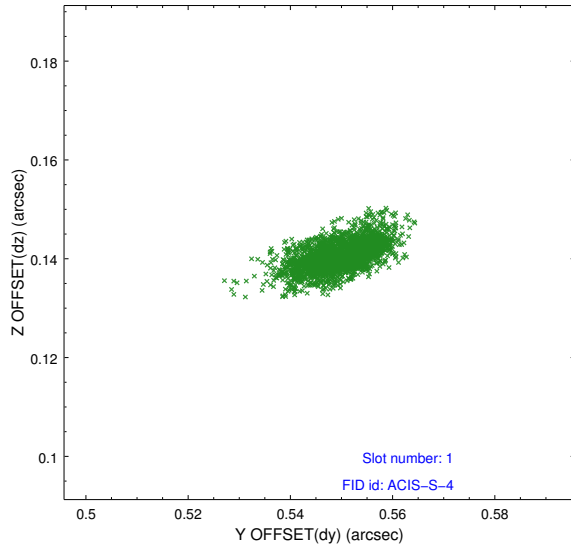


2.5 FID Slots

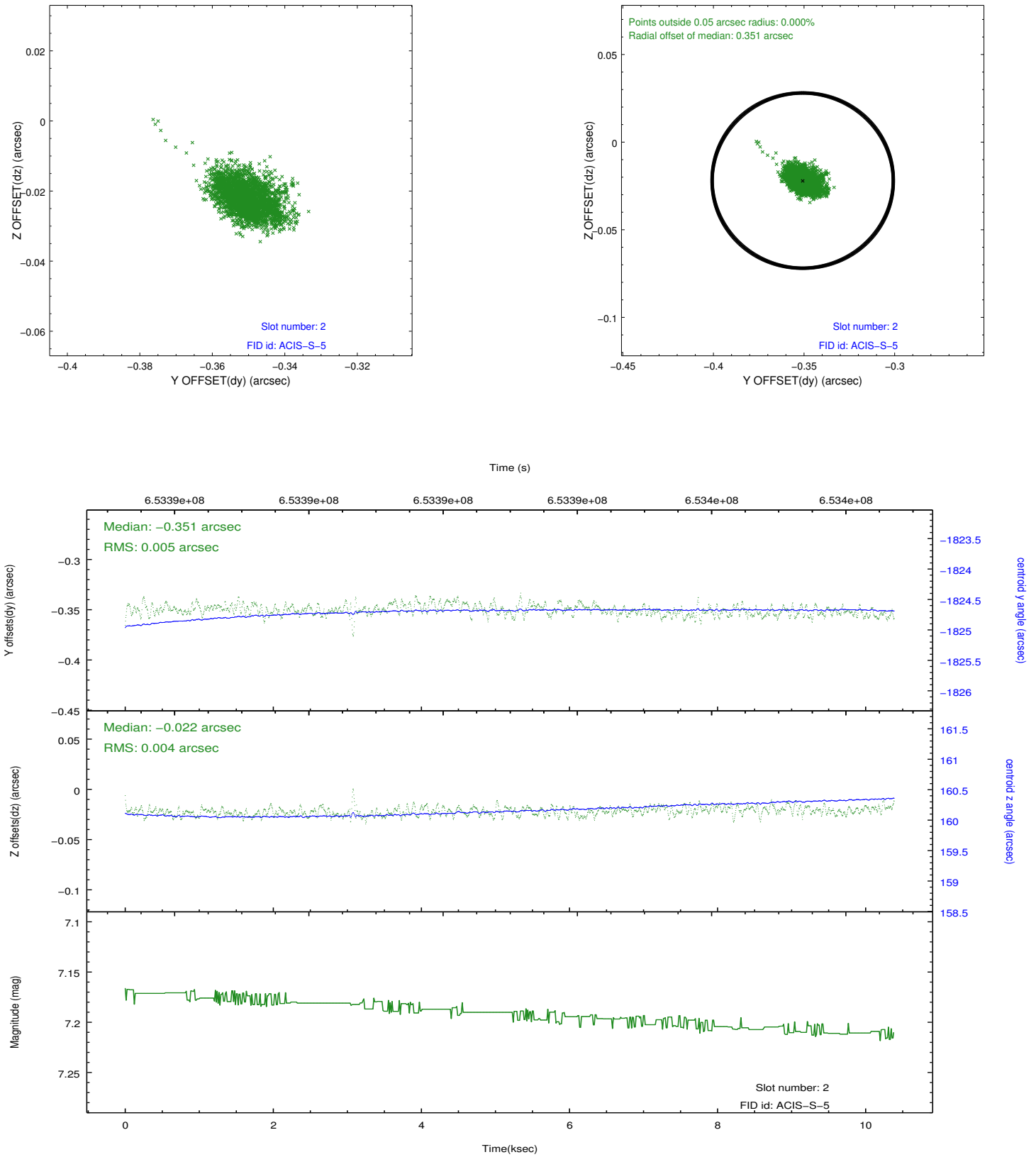
2.5.1 Slot 0



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)	2018.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.06260007751

A.2 Comments