

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18156 - L2 Version 1
Chandra X-Ray Center

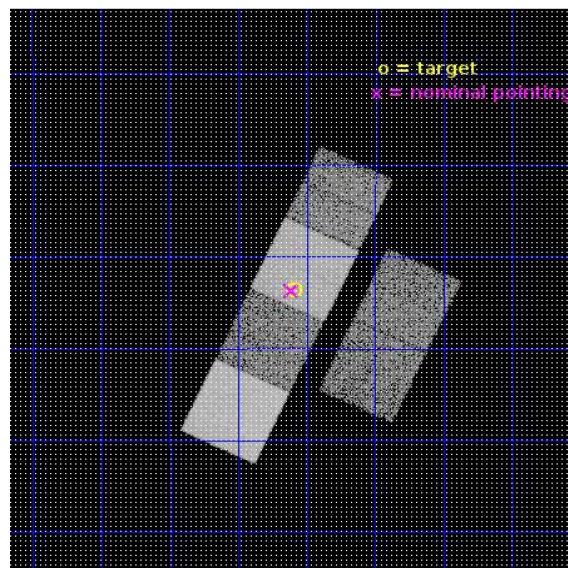
L2 Processing Date : Sep 10 2016

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1 Front

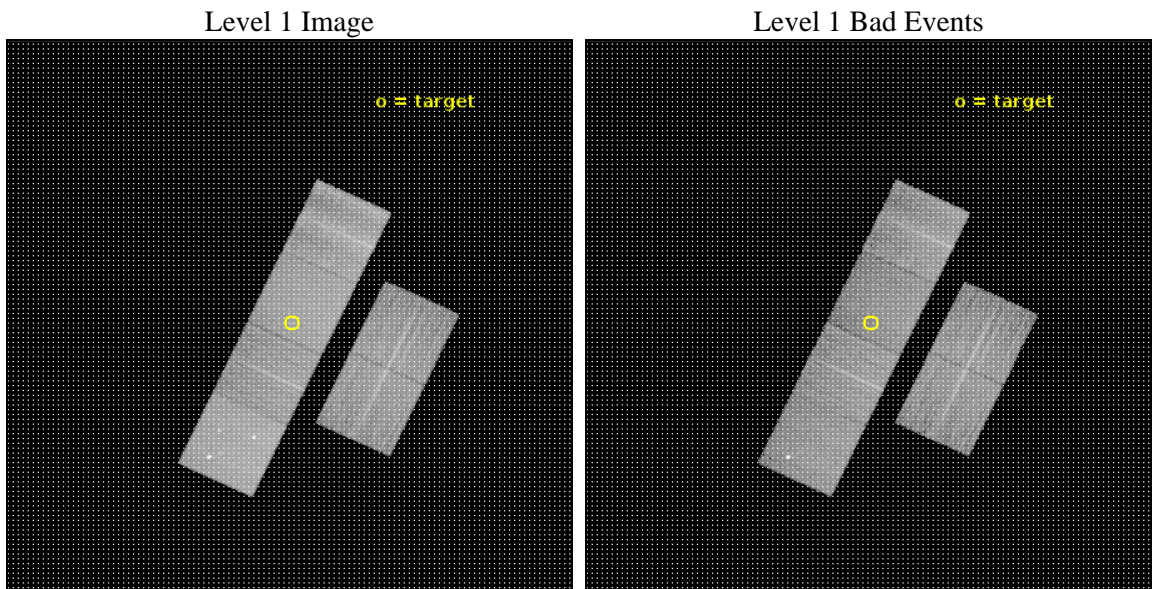
seq_num	703221	Sequence number
obs_id	18156	Observation id
title	Chandra Legacy Survey of Merger Driven AGN Activation in Nearby X-ray Selected AGN	Proposal title
observer	Dr Michael Koss	Principal investigator
object	PRC C-66	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	328.273333	Observer's specified target RA [deg]
dec_targ	-16.893889	Observer's specified target Dec [deg]
ra_nom	328.2779945387	Nominal RA [deg]
dec_nom	-16.895056650994	Nominal Dec [deg]
roll_nom	295.15797114289	Nominal Roll [deg]
revision	1	Processing version of data
ontime	14956.800222874	Sum of GTIs [s]
livetime	14767.408212548	Livetime [s]
ontime2	14956.800222874	Sum of GTIs [s]
ontime3	14956.800222874	Sum of GTIs [s]
ontime5	14956.800222874	Sum of GTIs [s]
ontime6	14956.800222874	Sum of GTIs [s]
ontime7	14956.800222874	Sum of GTIs [s]
ontime8	14956.800222874	Sum of GTIs [s]
l2events	160854	Number of level 2 events



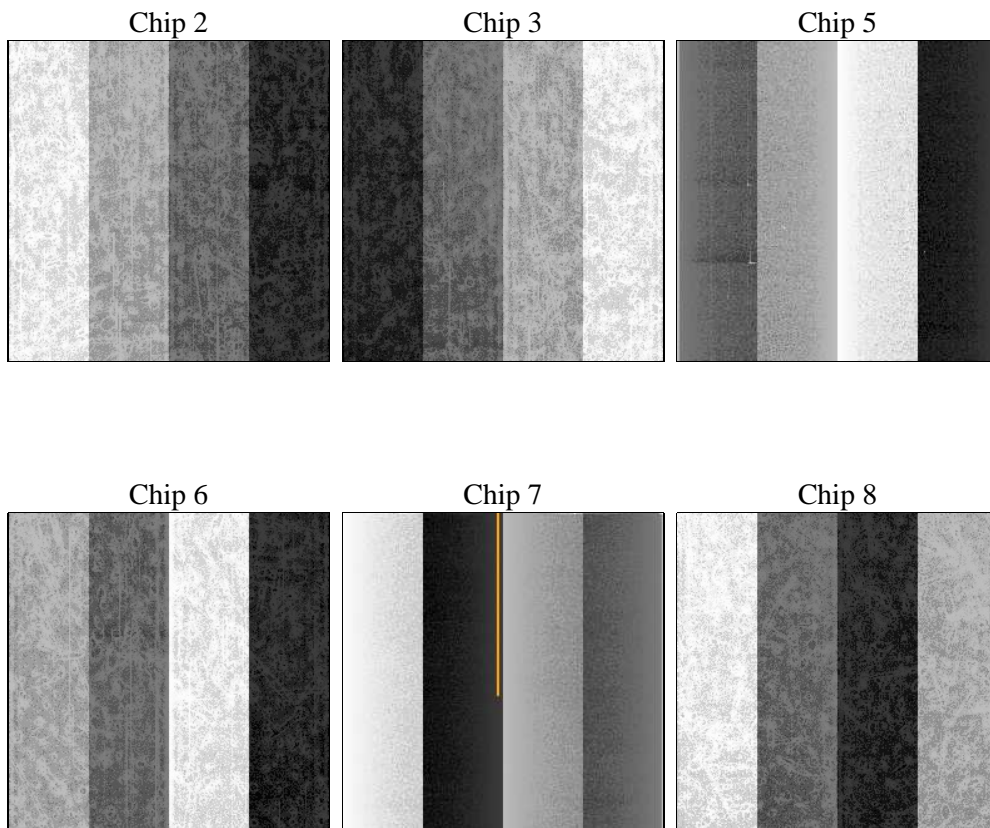
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	14956.800222874	Sum of GTIs [s]
caldsver	4.7.2	 	ontime2	14956.800222874	Sum of GTIs [s]
date	2016-09-10T06:34:31	Date and time of file creation	ontime3	14956.800222874	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	14956.800222874	Sum of GTIs [s]
			ontime6	14956.800222874	Sum of GTIs [s]
			ontime7	14956.800222874	Sum of GTIs [s]
			ontime8	14956.800222874	Sum of GTIs [s]
			l1events	691189	Number of level 1 events

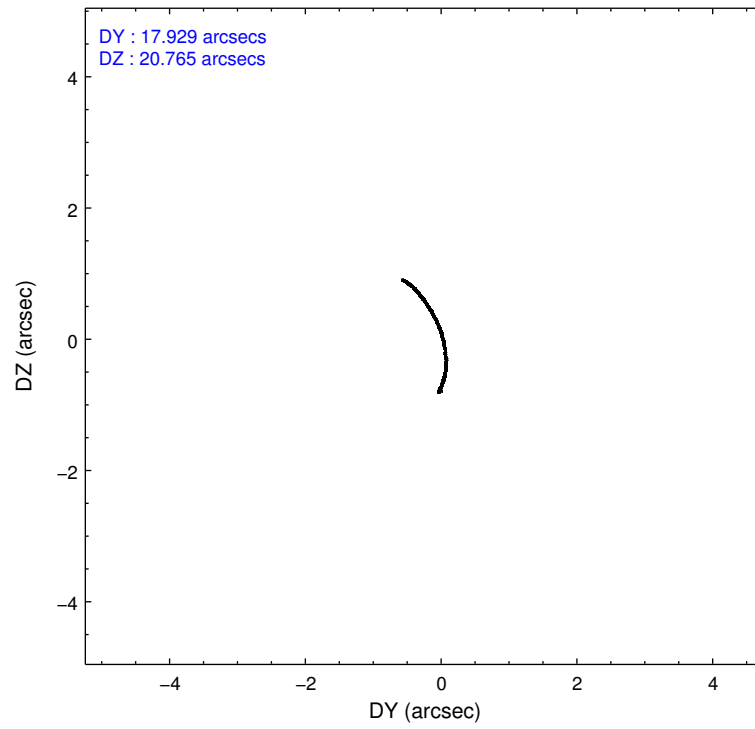
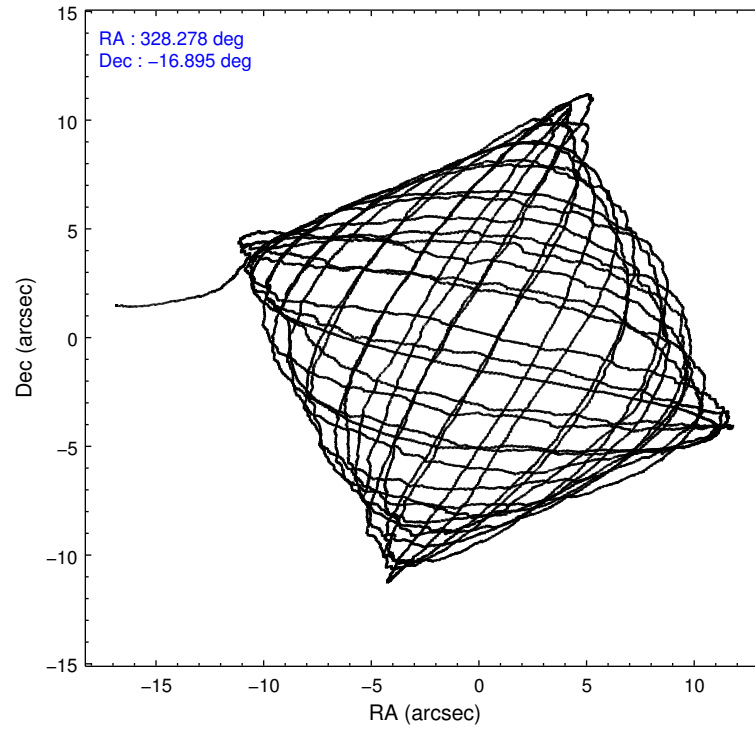
2.1.4 Events

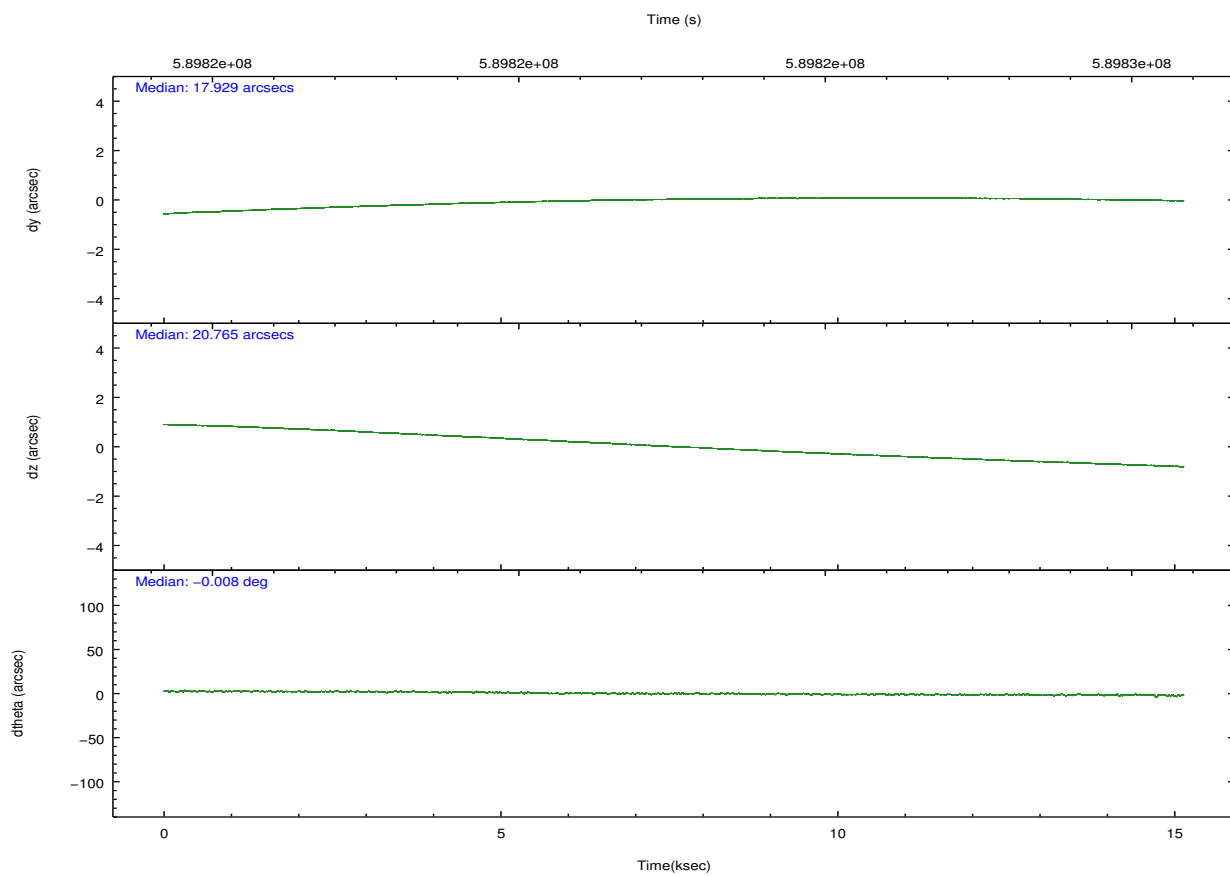
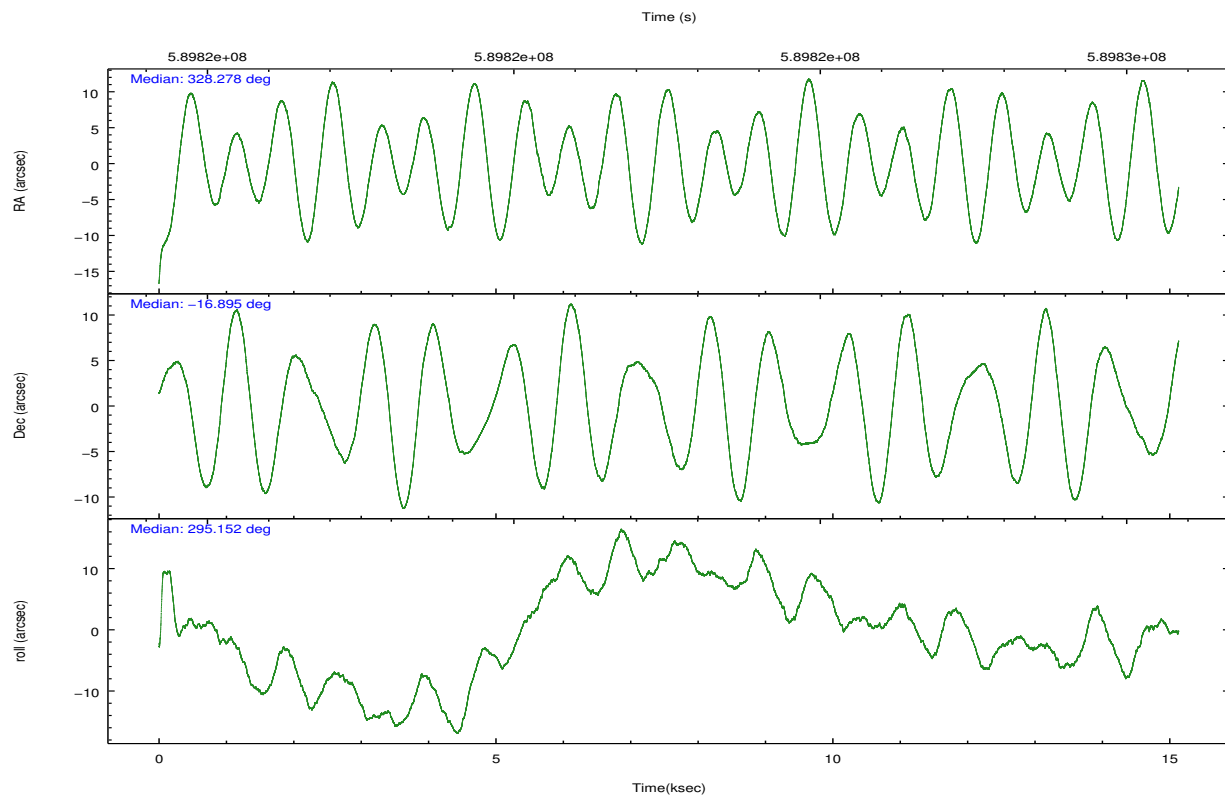
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	95913	89690	158878	99706	125216	121786	grade 0 events	3609	3424	7813	3635	4686	9826
rejected events	85385	79822	83180	88883	70266	88220		3%	3%	4%	3%	3%	8%
rejected %	89%	88%	52%	89%	56%	72%	grade 1 events	47	54	286	48	147	107
								0%	0%	0%	0%	0%	0%
							grade 2 events	2727	2266	23337	2524	11753	8061
								2%	2%	14%	2%	9%	6%
							grade 3 events	980	1049	2419	1063	4501	3577
								1%	1%	1%	1%	3%	2%
							grade 4 events	1072	1049	2451	1101	4482	3387
								1%	1%	1%	1%	3%	2%
							grade 5 events	4098	4661	11368	4514	12877	6852
								4%	5%	7%	4%	10%	5%
							grade 6 events	2146	2084	39713	2504	29551	8724
								2%	2%	24%	2%	23%	7%
							grade 7 events	81234	75103	71491	84317	57219	81252
								84%	83%	44%	84%	45%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	328.254272	328.2779945387001	CCD I2 on	O2	Y
[deg] Pointing Dec	-16.879675	-16.89505665099365	CCD I3 on	O3	Y
[deg] Pointing Roll	294.994469	295.1579711428876	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O4	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	O5	Y
[s] Observation start time (MET)	589815109.184000	589813870.42286	CCD S5 on	N	N
Observation start date	2016-09-09T13:30:41	2016-09-09T13:11:10	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	589830109.184000	589831531.17388	On-chip summing requested	N	N
Observation end date	2016-09-09T17:40:41	2016-09-09T18:05:31	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



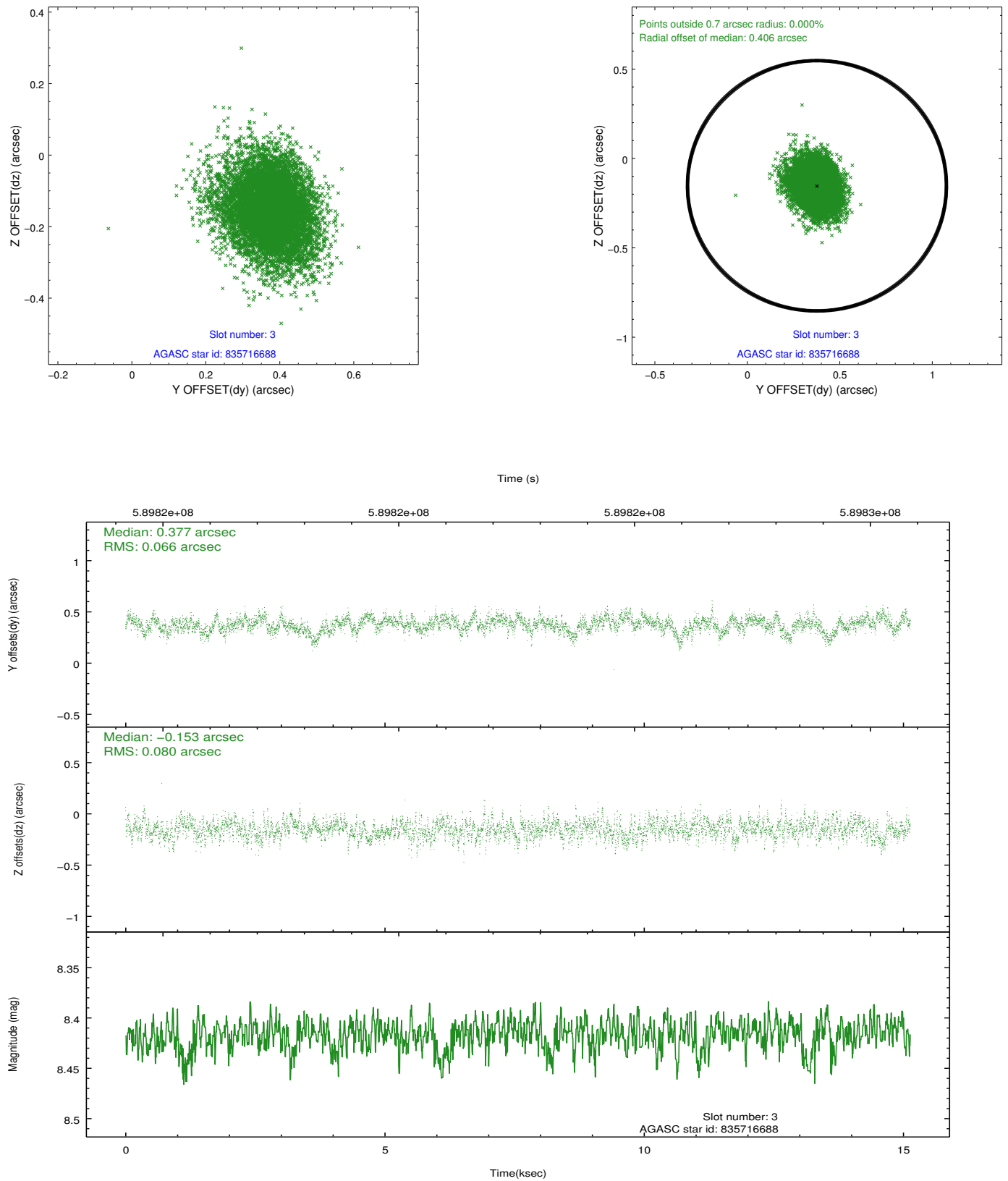


Slot Statistics

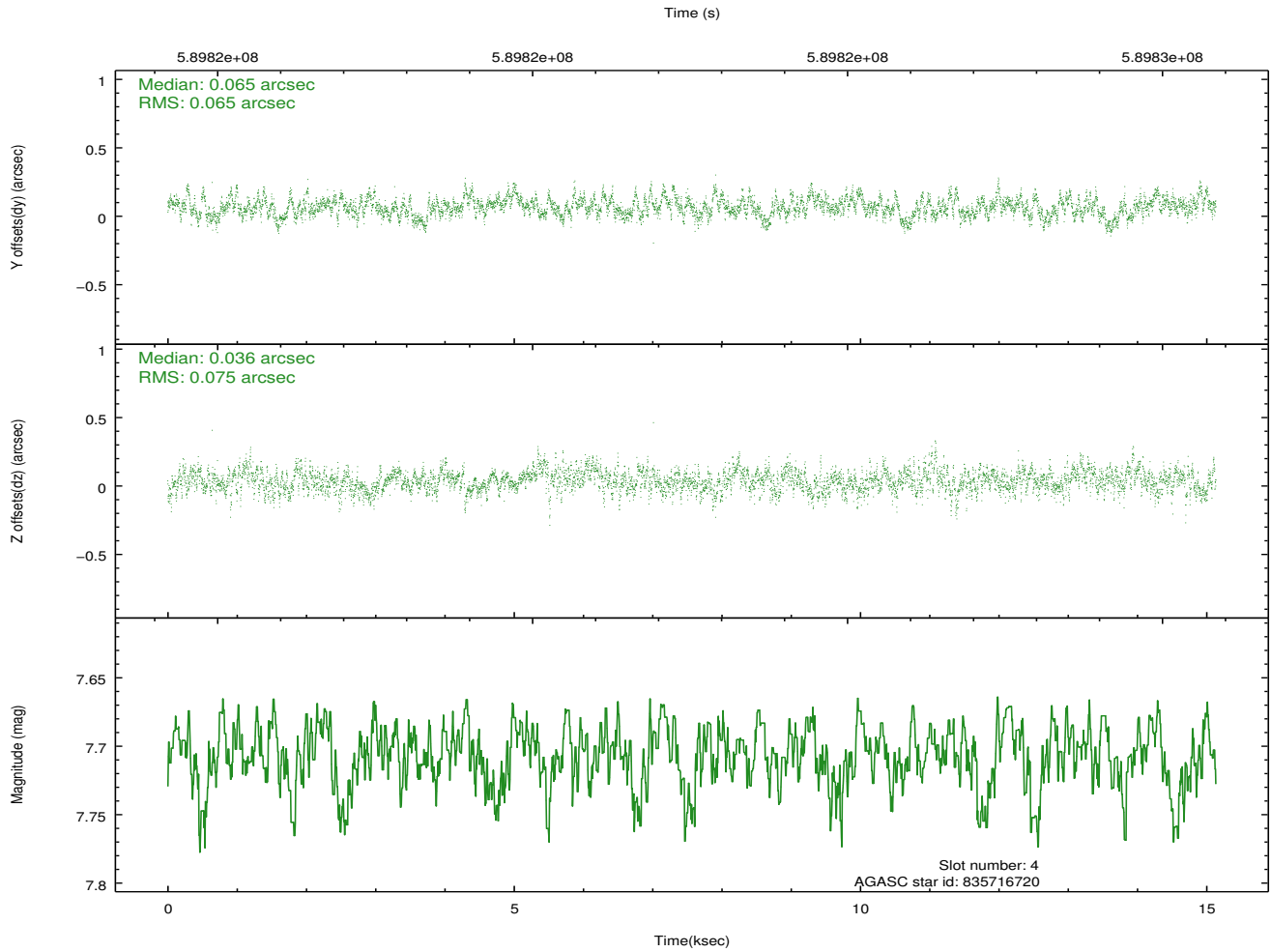
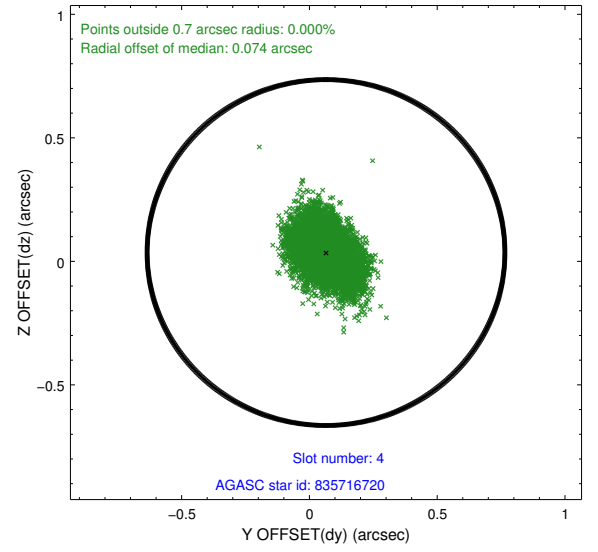
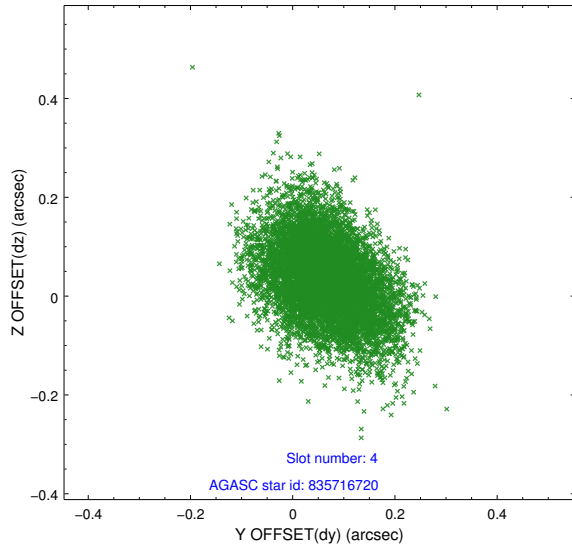
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.04	3692	0.130	-0.096	0.015	0.025	0.000000	0.000000	925.34	-1738.02
1	FID		ACIS-S-5	7.06	3692	-0.288	0.056	0.014	0.030	0.000000	0.000000	-1823.97	159.28
2	FID		ACIS-S-6	7.18	3692	0.138	0.050	0.021	0.033	0.000000	0.000000	390.48	803.64
3	GUIDE	used	835716688	8.42	7373	0.377	-0.153	0.109	0.181	328.119734	-16.745522	-632.69	-216.20
4	GUIDE	used	835716720	7.71	7382	0.065	0.036	0.105	0.174	328.173510	-17.066751	493.95	-535.80
5	GUIDE	used	835717936	9.27	7378	0.035	0.128	0.167	0.269	328.141054	-16.258782	-2190.72	589.30
6	GUIDE	used	835718424	9.30	7375	0.017	-0.193	0.167	0.269	328.536257	-16.643365	-359.40	1240.95
7	GUIDE	used	836109728	9.71	7374	-0.492	0.156	0.268	0.426	328.371558	-17.549677	2356.32	-653.40

2.4 Star Slots

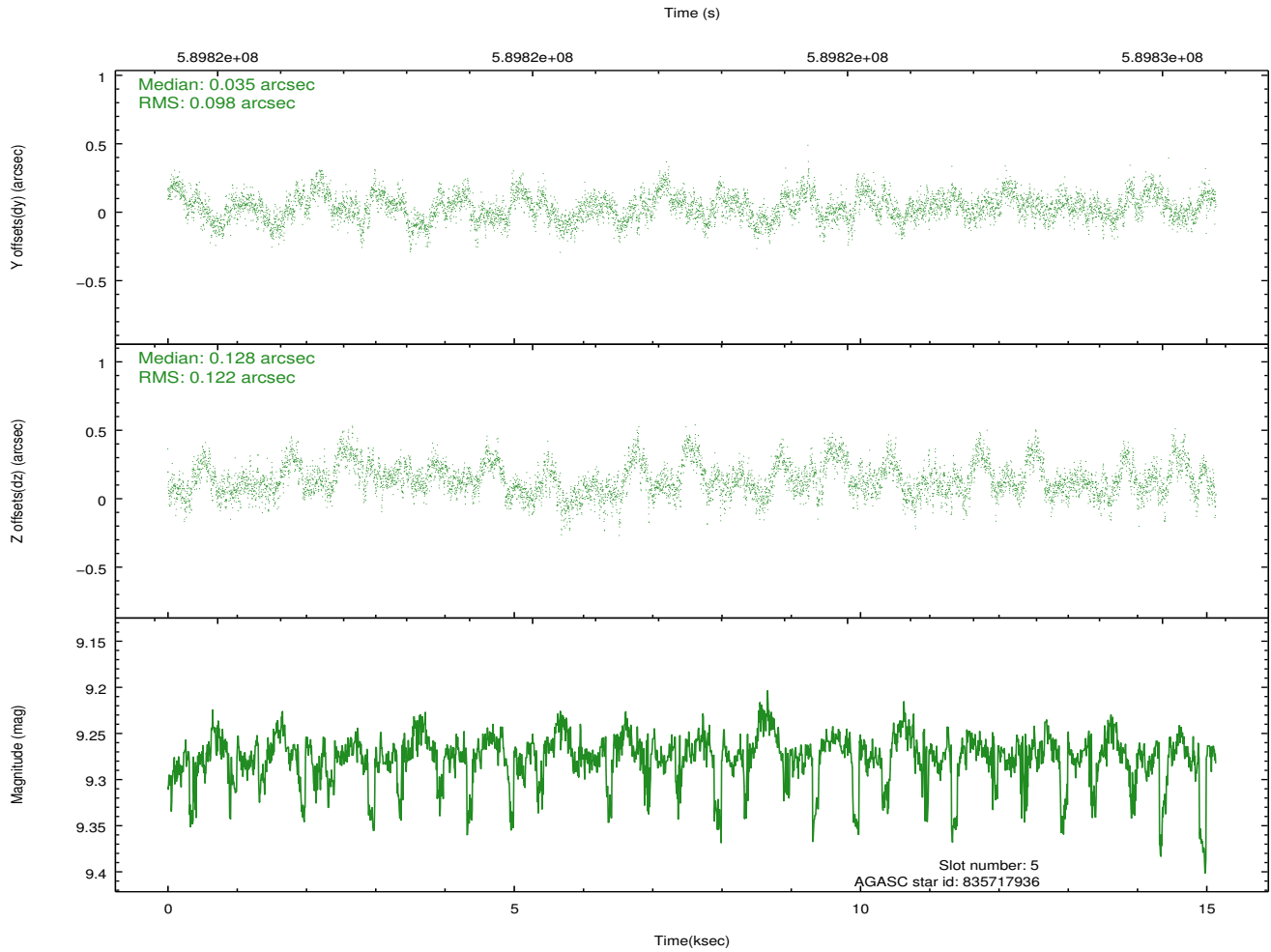
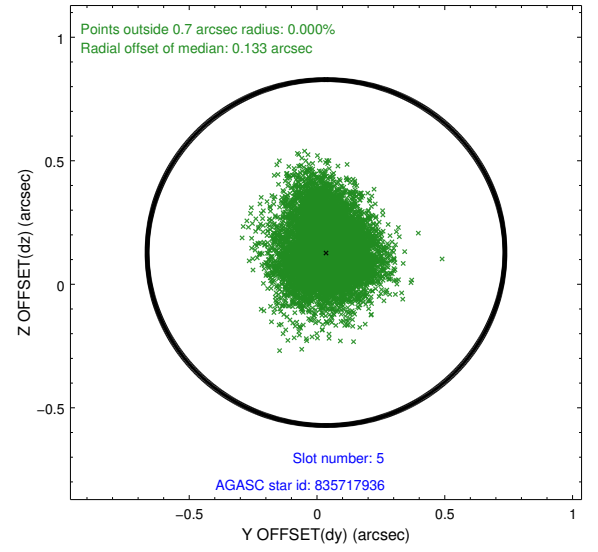
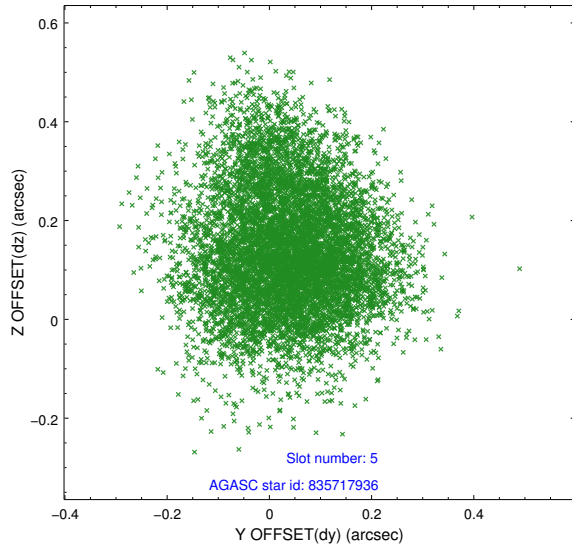
2.4.1 Slot 3



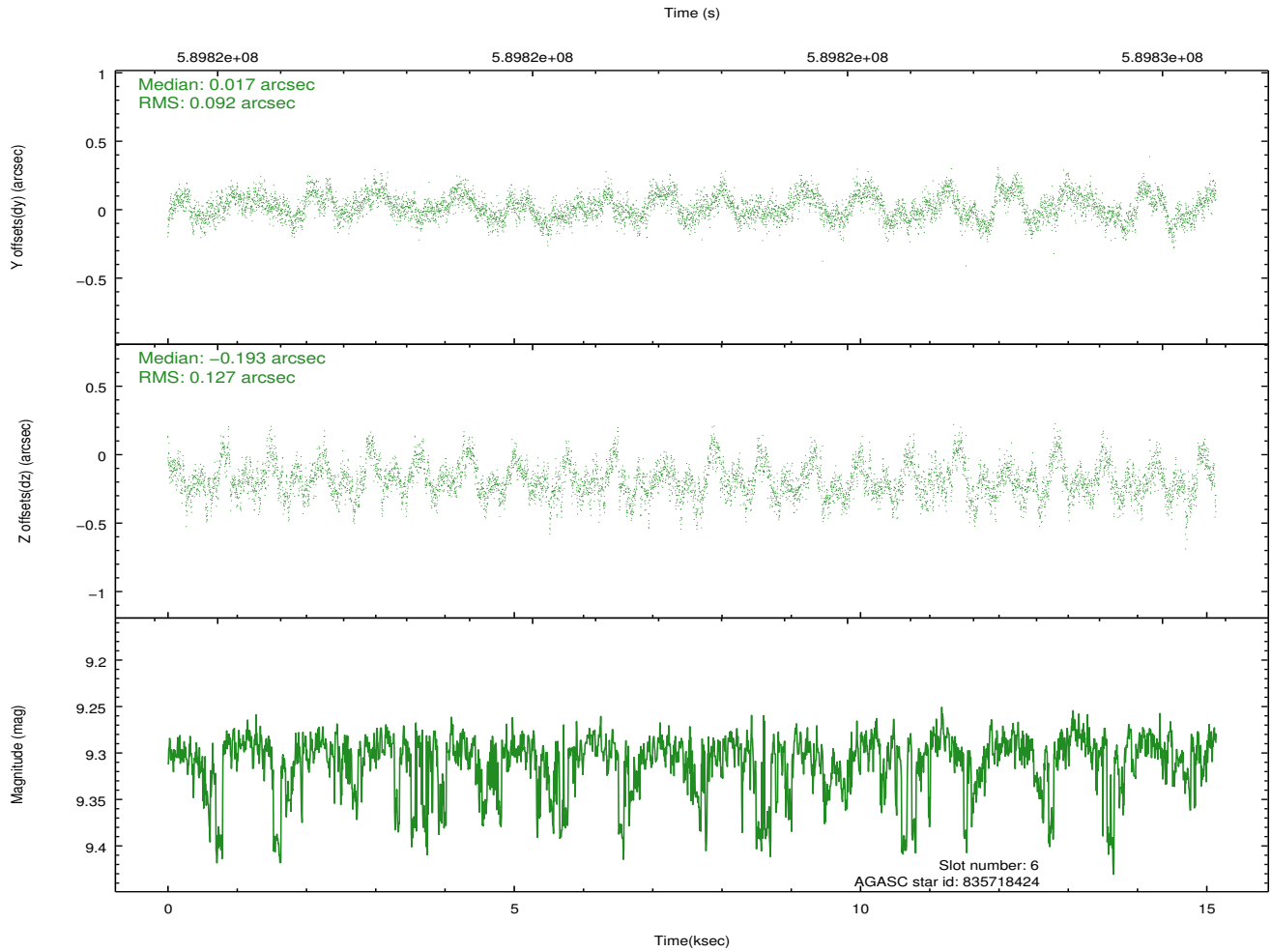
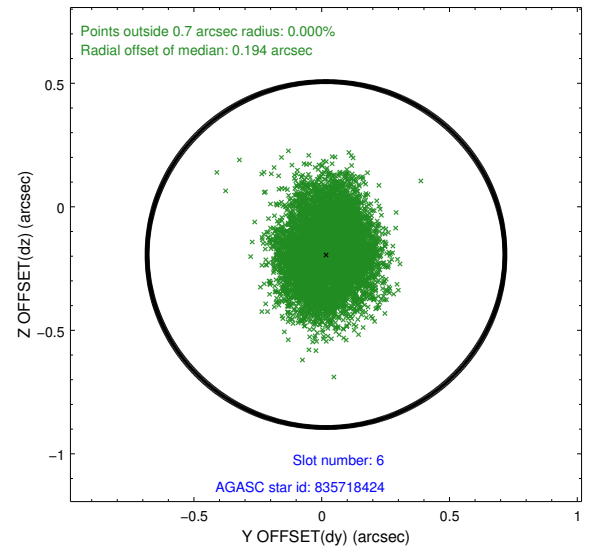
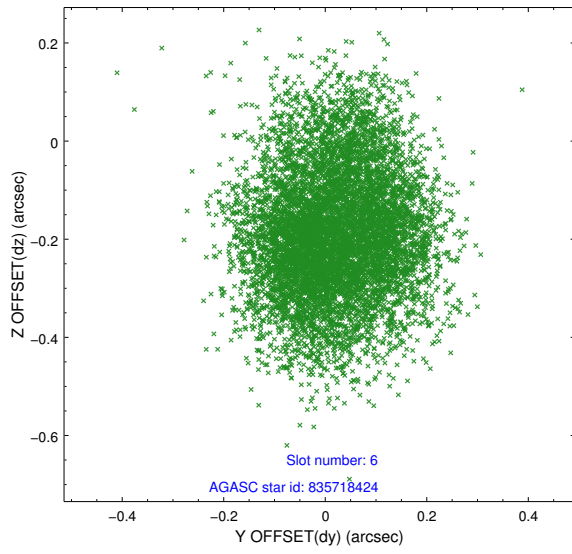
2.4.2 Slot 4



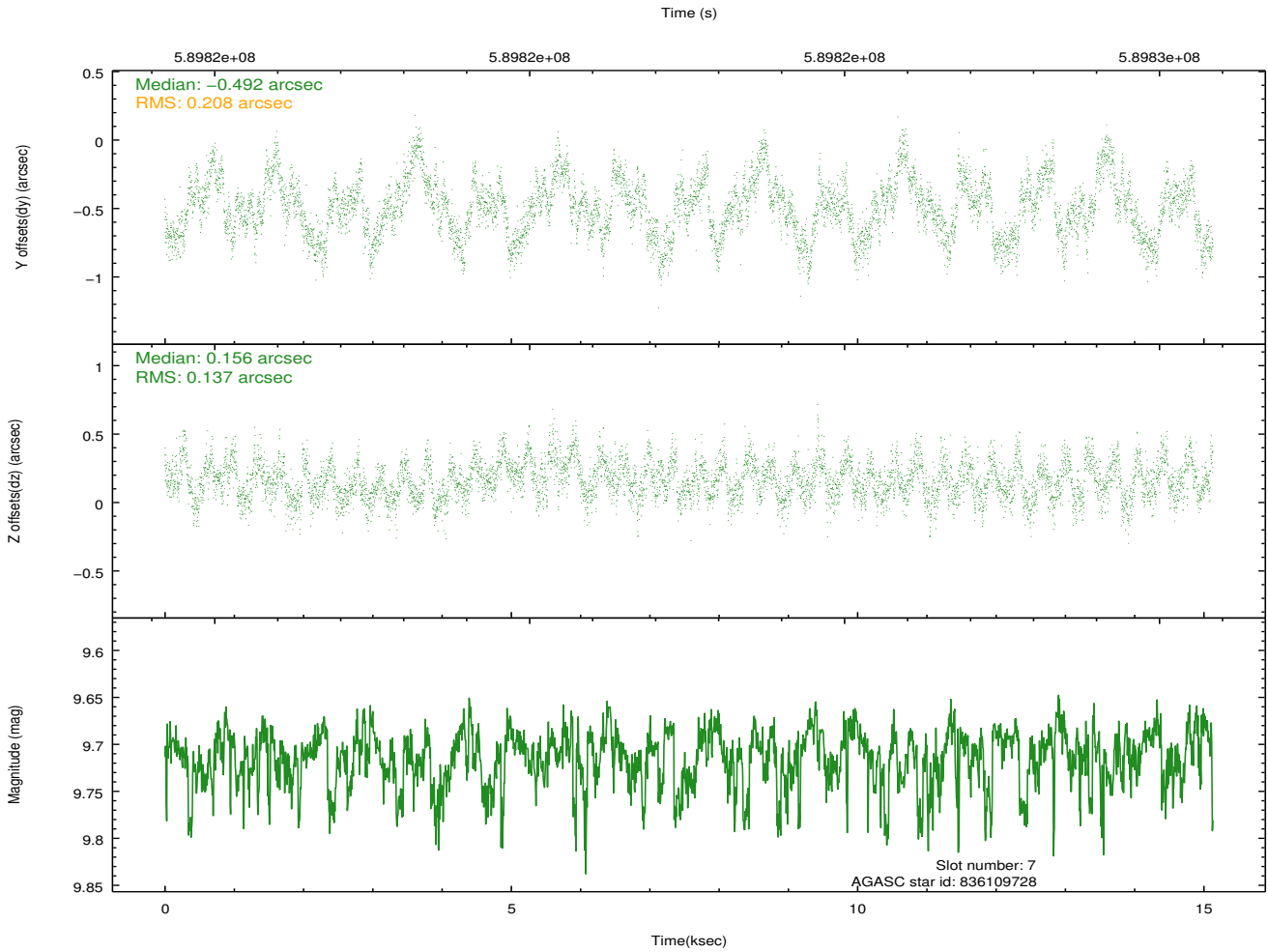
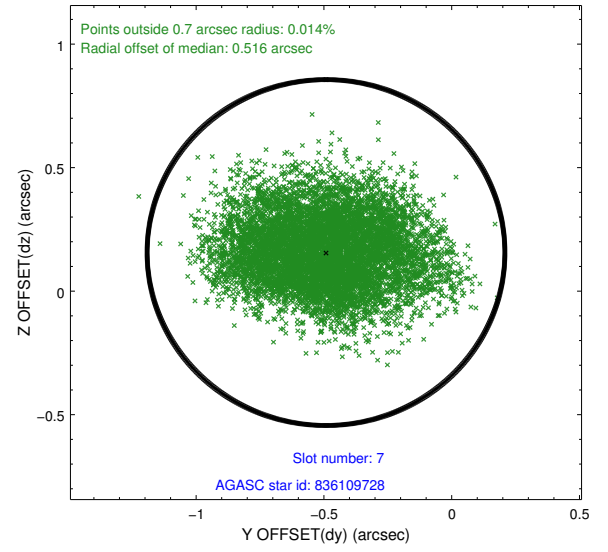
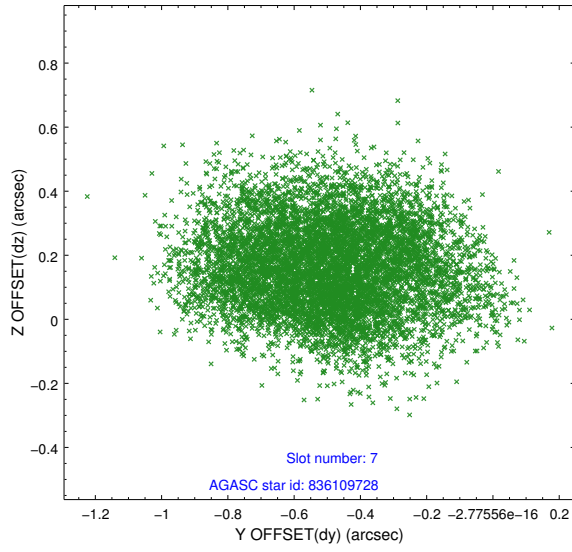
2.4.3 Slot 5



2.4.4 Slot 6

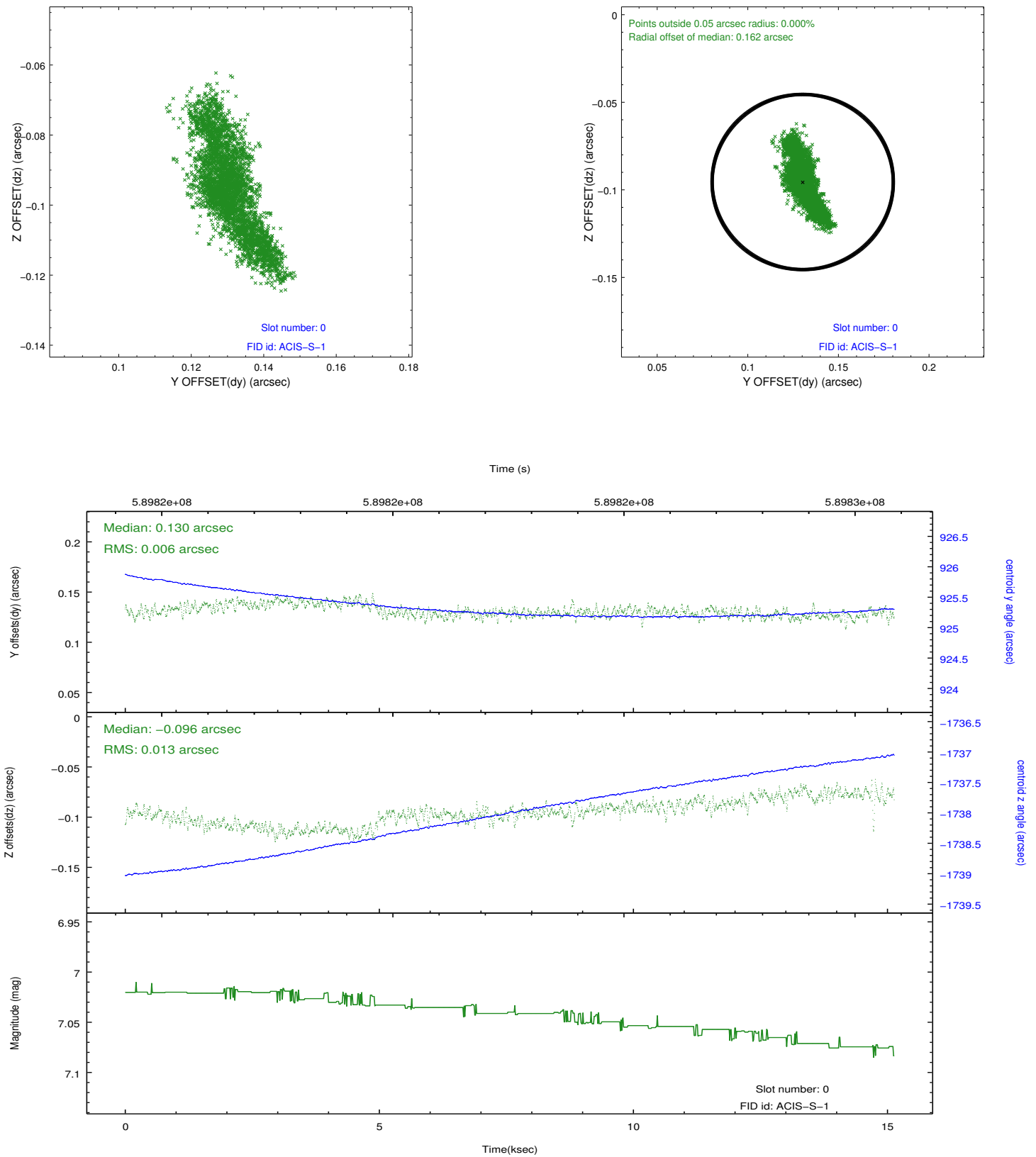


2.4.5 Slot 7

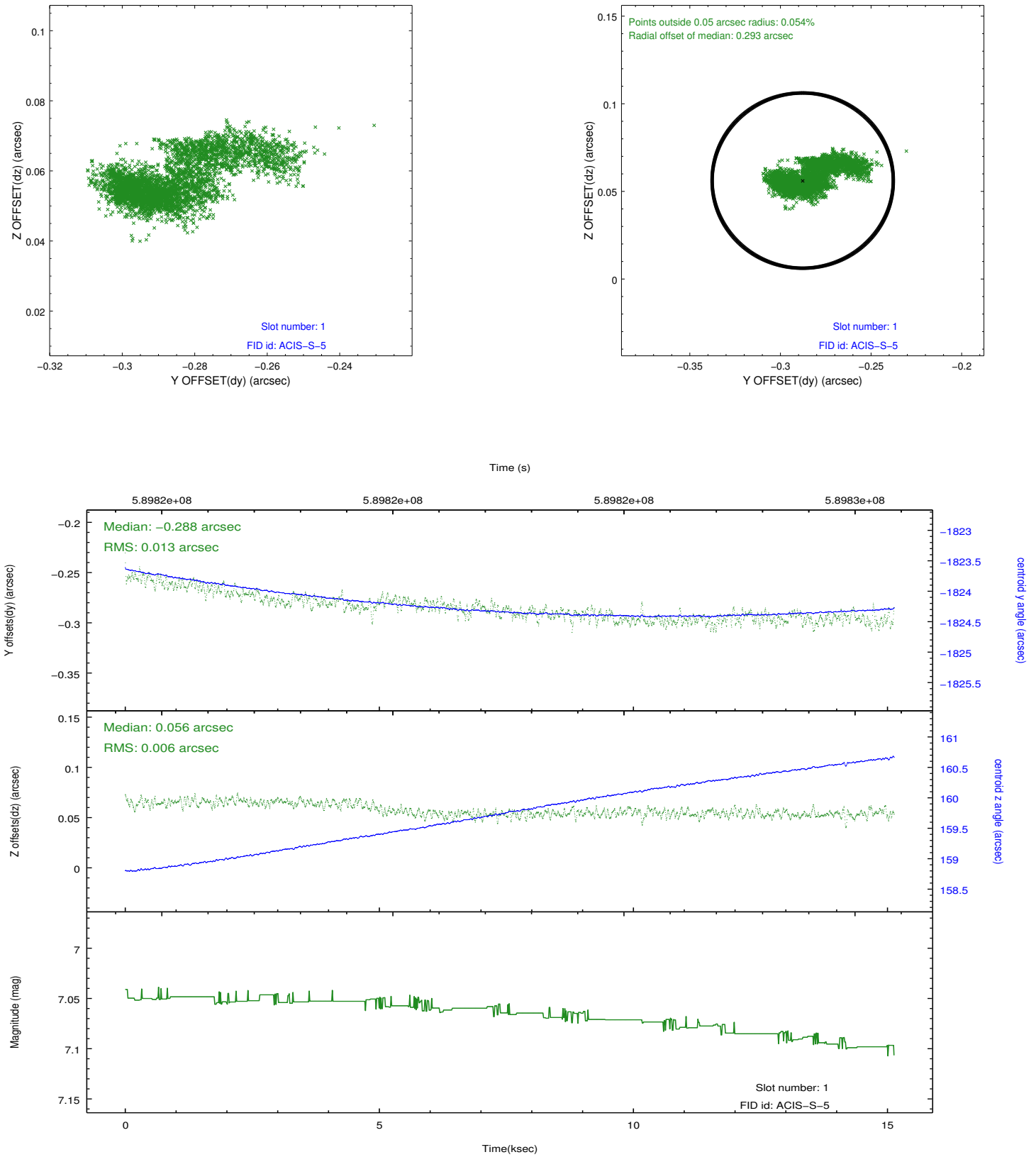


2.5 FID Slots

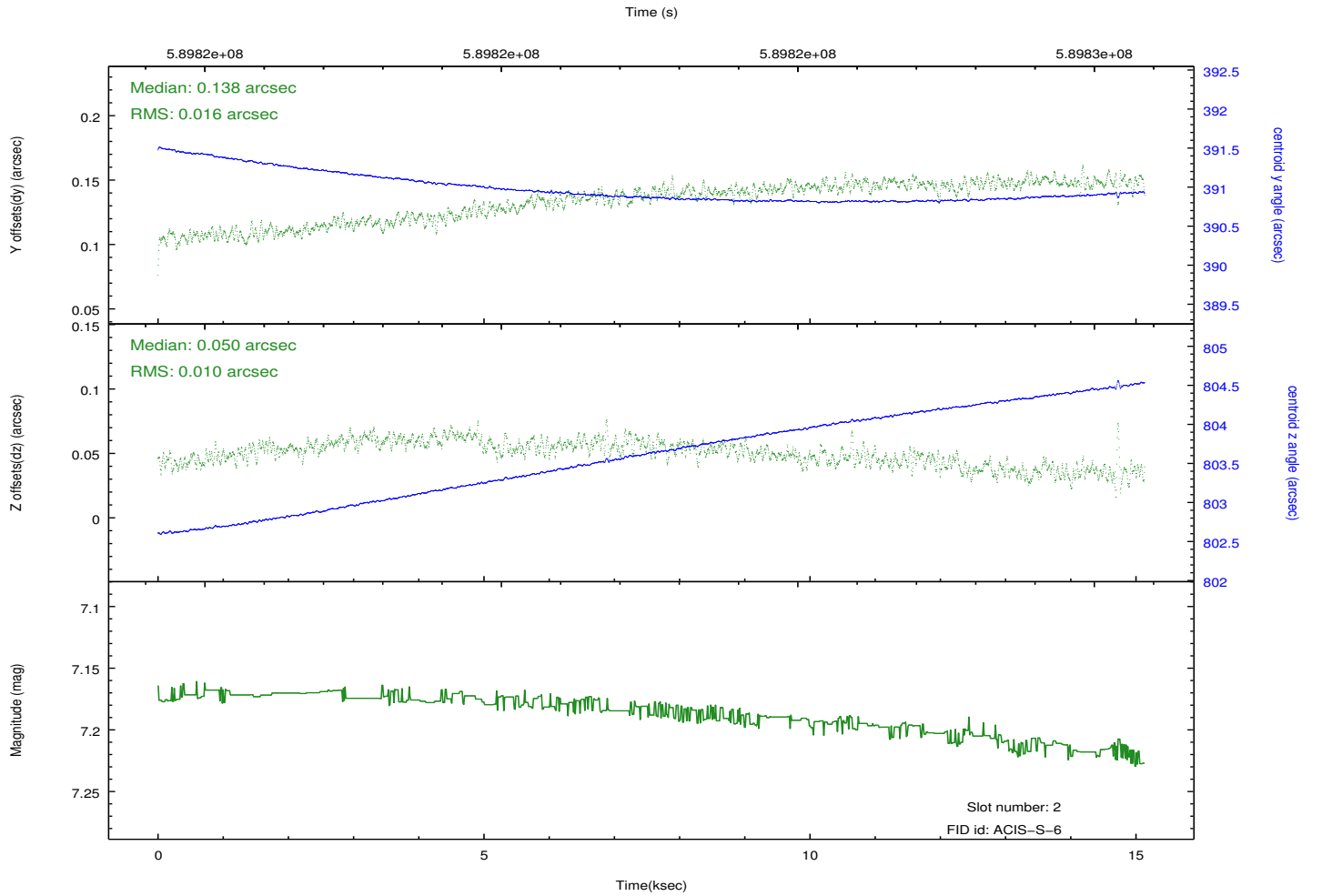
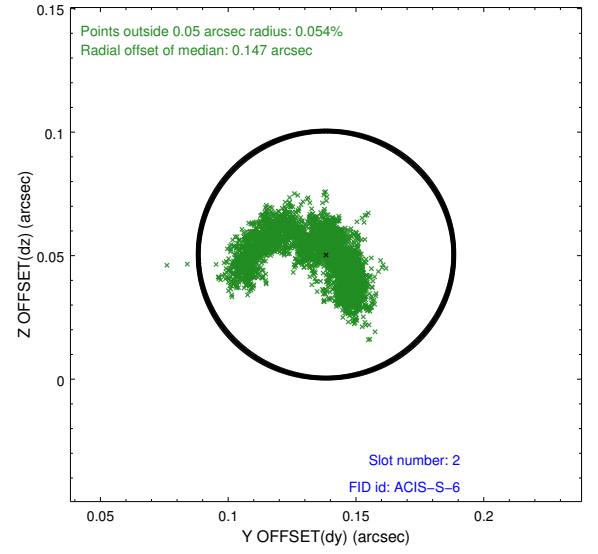
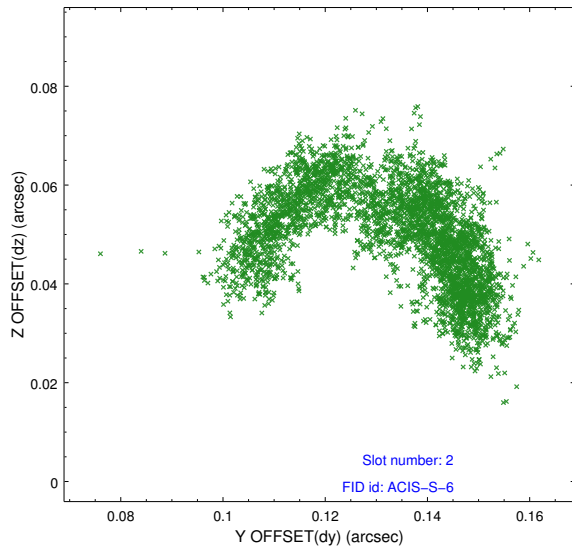
2.5.1 Slot 0



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)	2016.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.956800222874

A.2 Comments