

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18158 - L2 Version 1
Chandra X-Ray Center

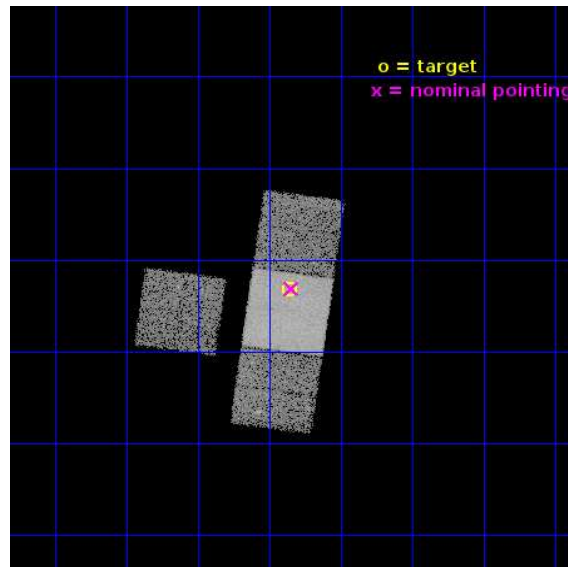
L2 Processing Date : Mar 23 2016

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1 Front

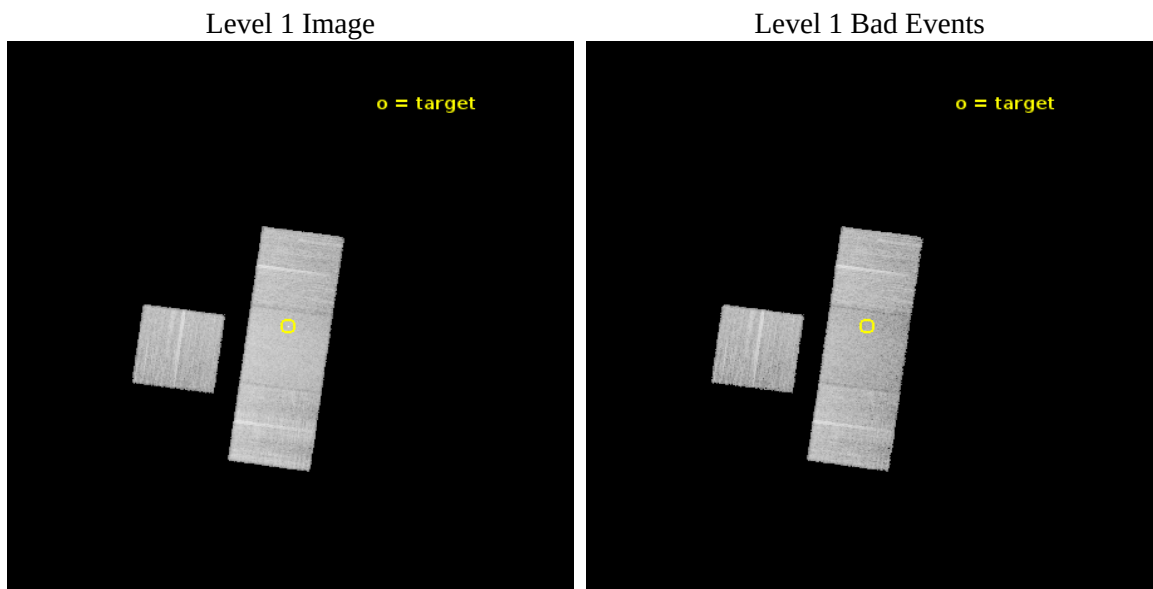
seq_num	703223	Sequence number
obs_id	18158	Observation id
title	Chandra Legacy Survey of Merger Driven AGN Activation in Nearby X-ray Selected AGN	Proposal title
observer	Dr Michael Koss	Principal investigator
object	MCG+01-38-005	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	222.714583	Observer's specified target RA [deg]
dec_targ	5.114472	Observer's specified target Dec [deg]
ra_nom	222.71190105433	Nominal RA [deg]
dec_nom	5.1149152580812	Nominal Dec [deg]
roll_nom	98.021139207488	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15066.000115991	Sum of GTIs [s]
livetime	14869.151733047	Livetime [s]
ontime3	15062.85903573	Sum of GTIs [s]
ontime6	15066.000115991	Sum of GTIs [s]
ontime7	15066.000115991	Sum of GTIs [s]
ontime8	15066.000115991	Sum of GTIs [s]
l2events	78403	Number of level 2 events



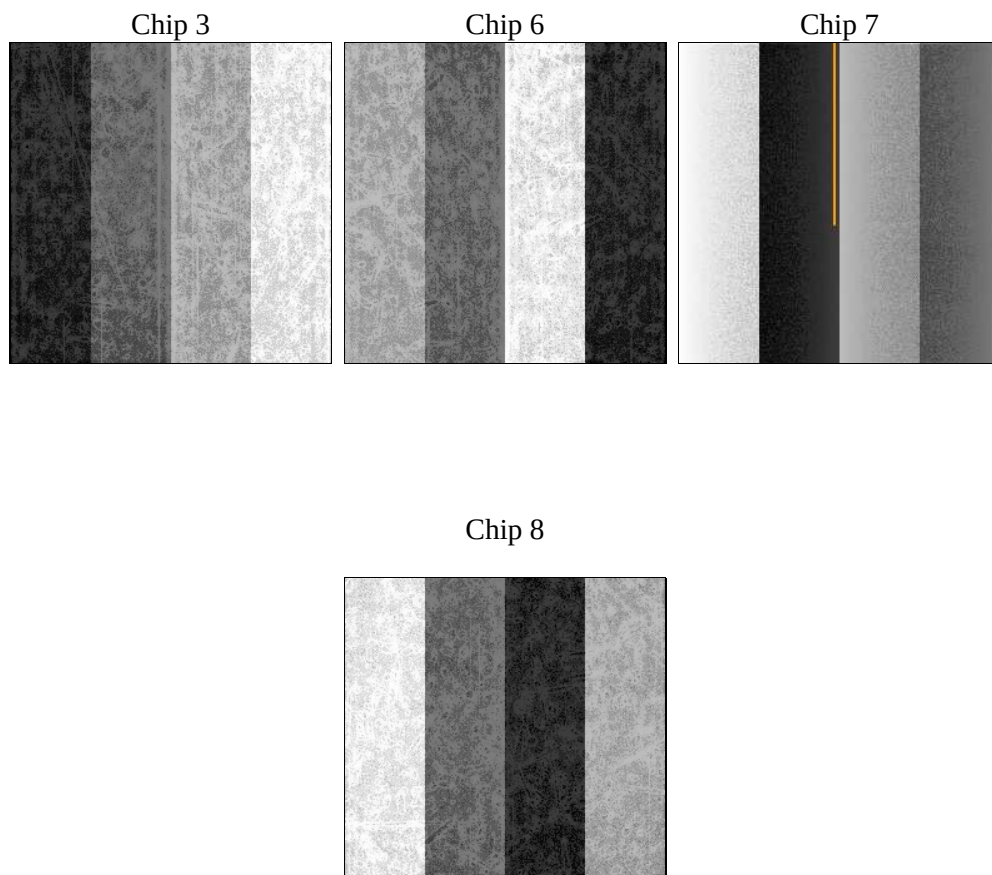
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	15066.000115991	Sum of GTIs [s]
caldsver	4.7.1	 	ontime3	15062.85903573	Sum of GTIs [s]
date	2016-03-24T01:45:38	Date and time of file creation	ontime6	15066.000115991	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	15066.000115991	Sum of GTIs [s]
			ontime8	15066.000115991	Sum of GTIs [s]
			l1events	438243	Number of level 1 events

2.1.4 Events

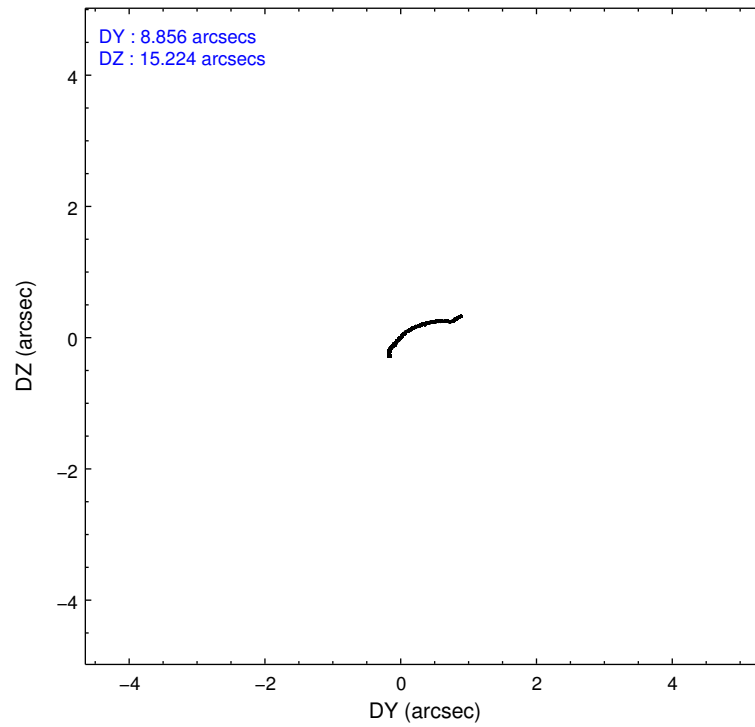
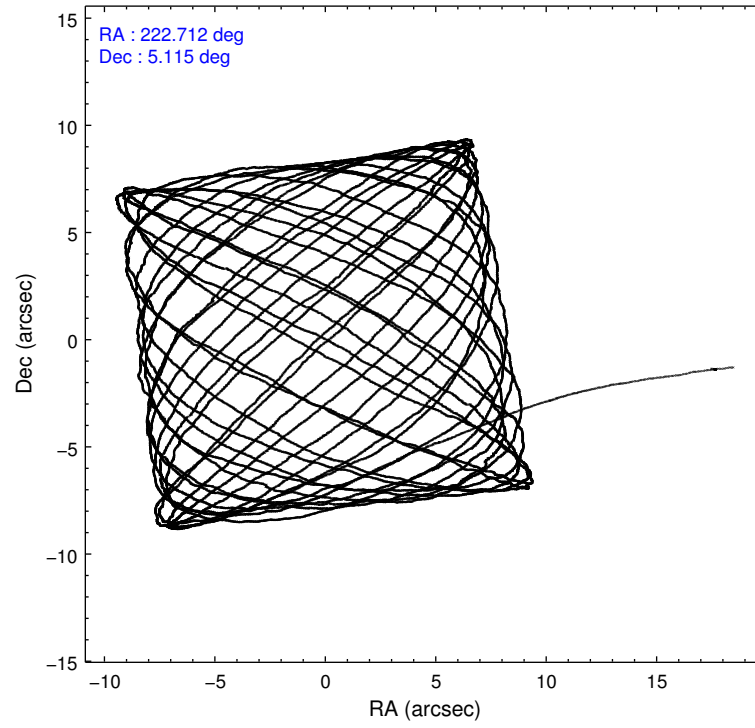
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	92958	103470	120696	121119
rejected events	83718	92391	69465	91763
rejected %	90%	89%	57%	75%

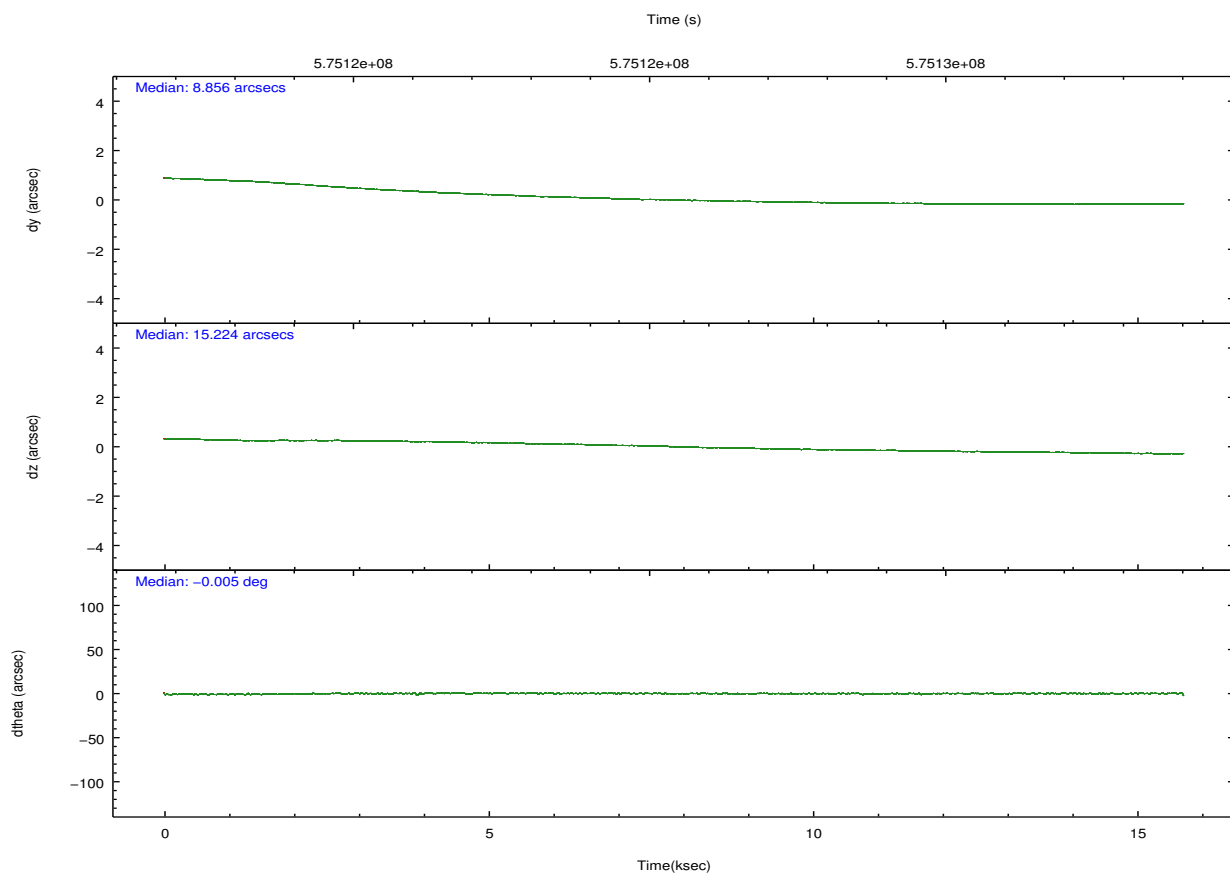
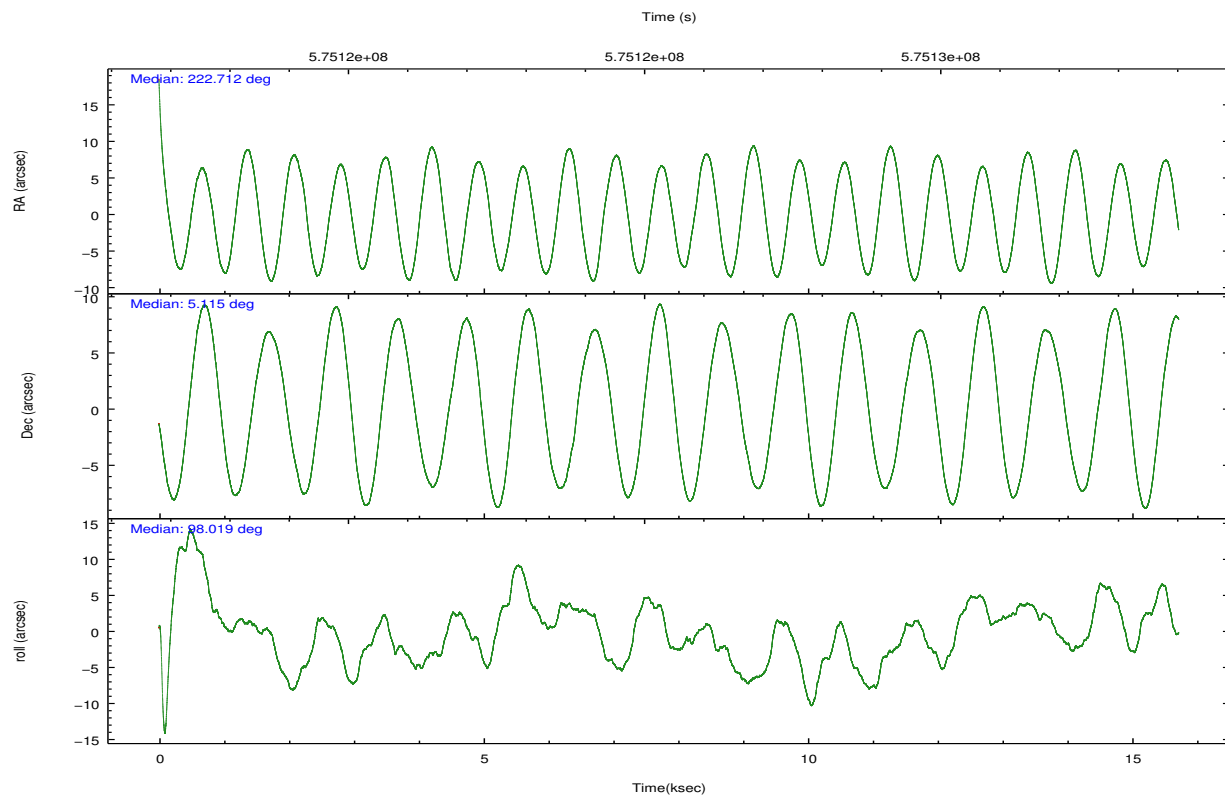
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	3187	3587	4172	8058
	3%	3%	3%	6%
grade 1 events	59	46	151	78
	0%	0%	0%	0%
grade 2 events	2026	2774	10734	7390
	2%	2%	8%	6%
grade 3 events	995	983	3786	3009
	1%	0%	3%	2%
grade 4 events	998	979	3779	2814
	1%	0%	3%	2%
grade 5 events	4209	4096	11283	6211
	4%	3%	9%	5%
grade 6 events	2035	2758	28771	8089
	2%	2%	23%	6%
grade 7 events	79449	88247	58020	85470
	85%	85%	48%	70%

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	222.729148	222.7119010543332	CCD I2 on	O2	N
[deg] Pointing Dec	5.093545	5.114915258081172	CCD I3 on	O3	Y
[deg] Pointing Roll	97.862957	98.02113920748793	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	N
[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)	575118273.184000	575116535.5182	CCD S5 on	N	N
Observation start date	2016-03-23T11:03:25	2016-03-23T10:35:35	Number of optional ACIS chips dropped	2	2
[s] Observation end time (MET)	575133273.184000	575134353.09421	On-chip summing requested	N	N
Observation end date	2016-03-23T15:13:25	2016-03-23T15:32:33	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



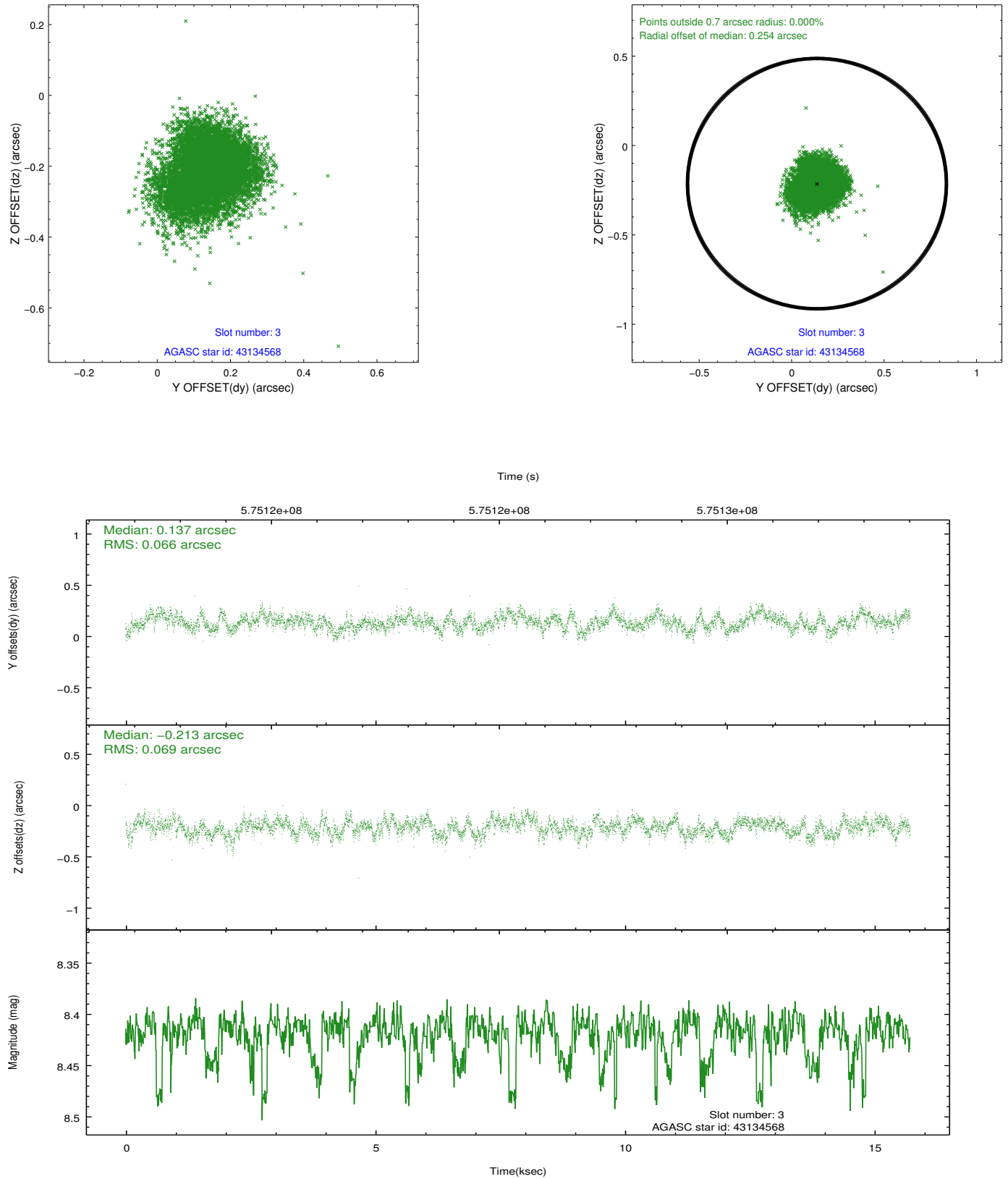


Slot Statistics

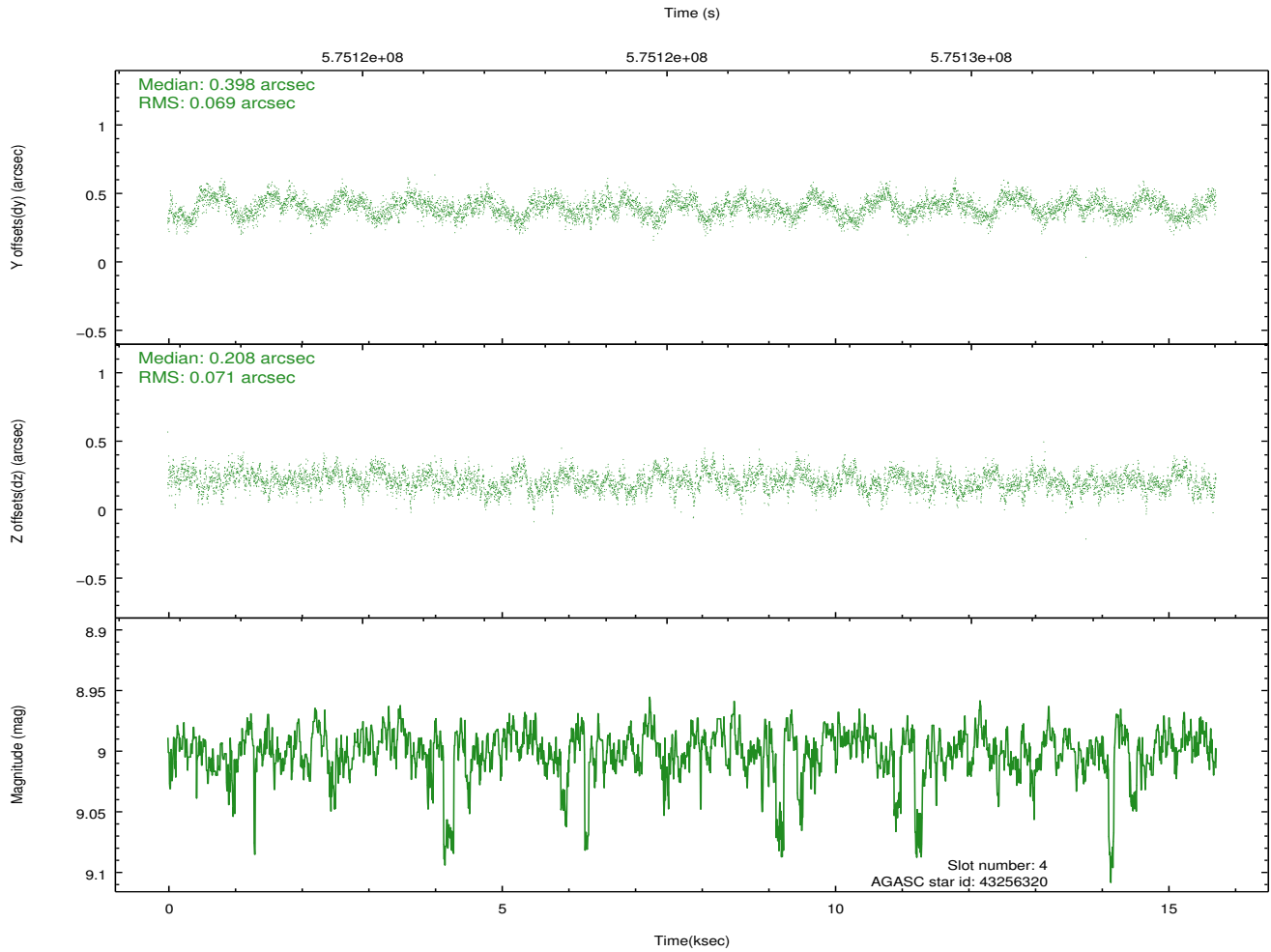
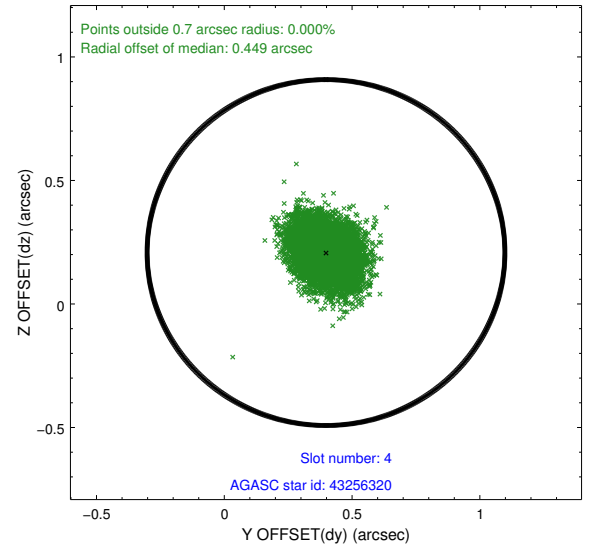
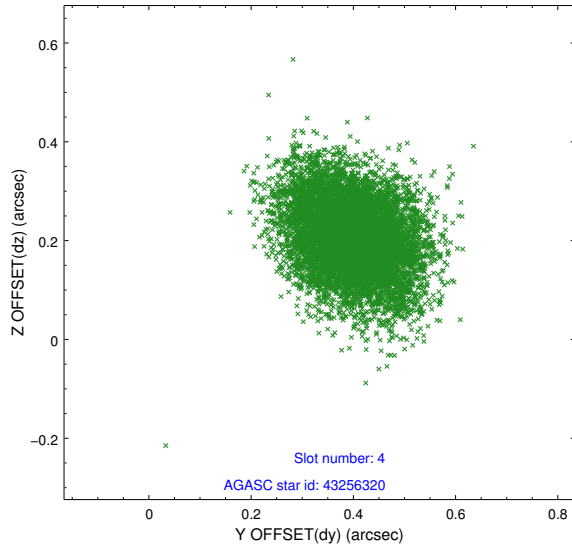
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.13	3835	-0.142	-0.060	0.012	0.024	0.000000	0.000000	-761.90	-1736.70
1	FID		ACIS-S-4	7.23	3835	0.370	0.085	0.014	0.028	0.000000	0.000000	2151.73	171.69
2	FID		ACIS-S-5	7.25	3835	-0.260	-0.015	0.011	0.020	0.000000	0.000000	-1814.54	165.51
3	GUIDE	used	43134568	8.42	7666	0.137	-0.213	0.103	0.158	222.363766	4.594749	-1598.38	1544.79
4	GUIDE	used	43256320	9.00	7663	0.398	0.208	0.105	0.170	222.972731	4.587524	-1924.39	-615.85
5	GUIDE	used	43523000	9.05	7667	-0.394	-0.307	0.116	0.183	222.366862	5.540990	1773.06	1065.50
6	GUIDE	used	43651080	9.65	7657	-0.610	0.053	0.144	0.243	223.060590	5.737807	2135.25	-1492.93
7	GUIDE	used	43255584	9.91	7645	0.476	0.276	0.233	0.356	223.412224	4.997672	-674.83	-2379.37

2.4 Star Slots

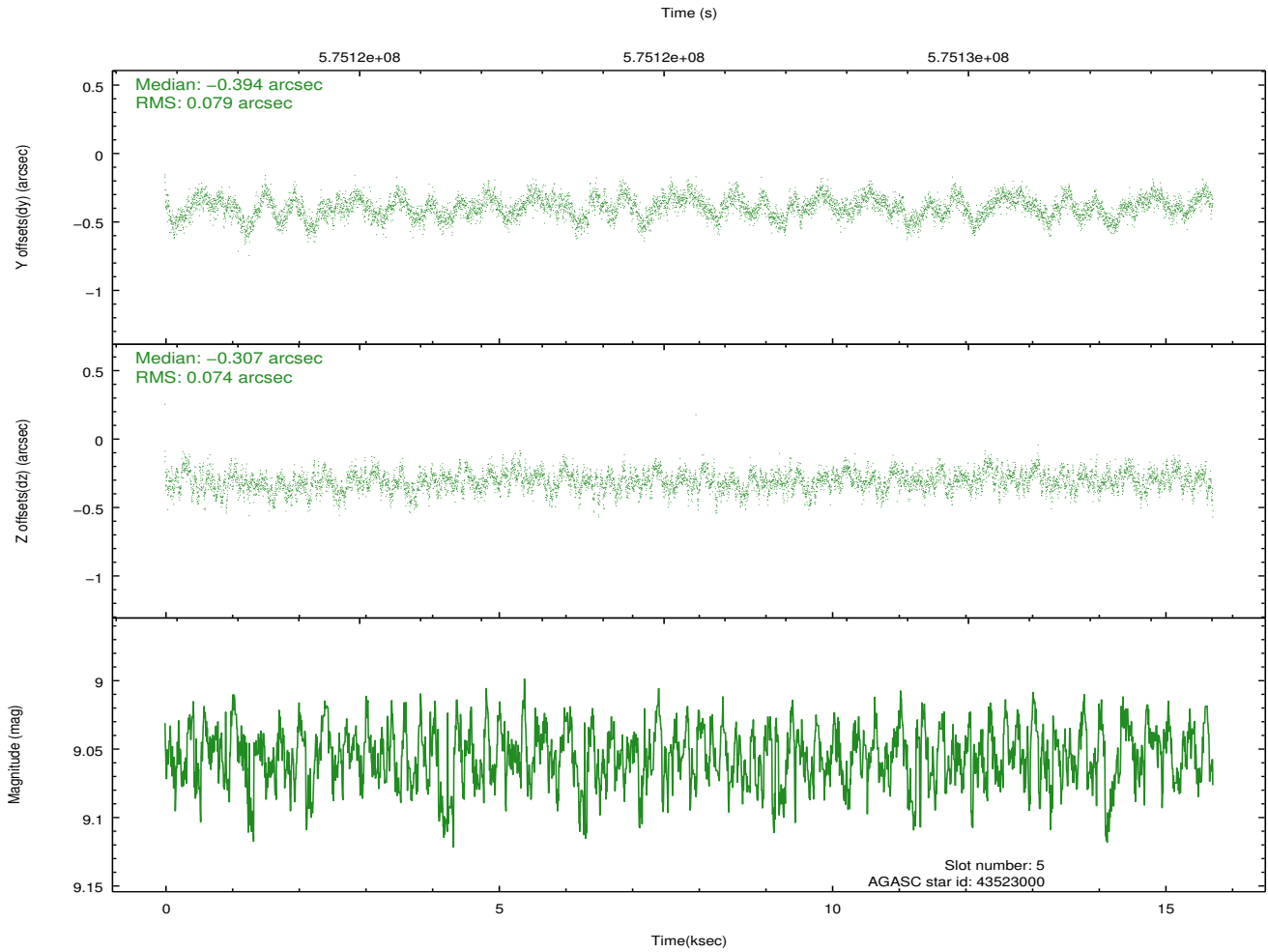
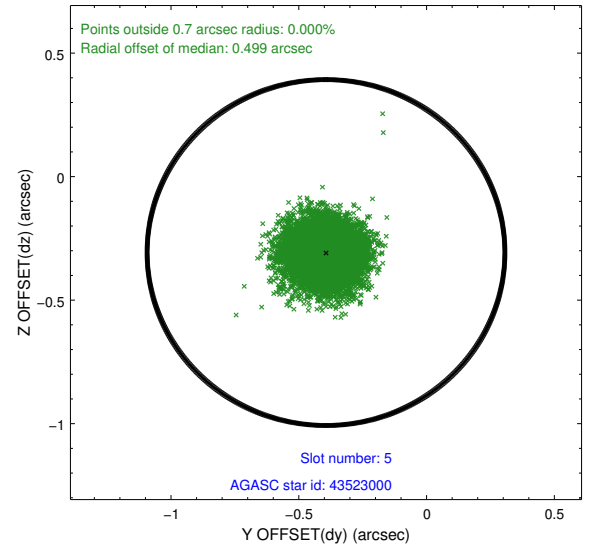
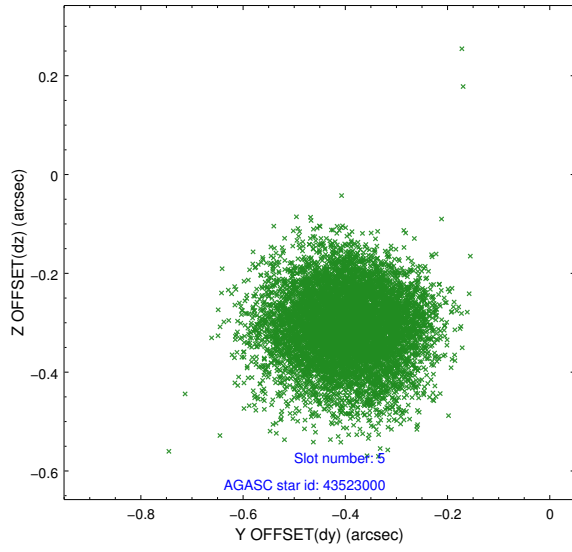
2.4.1 Slot 3



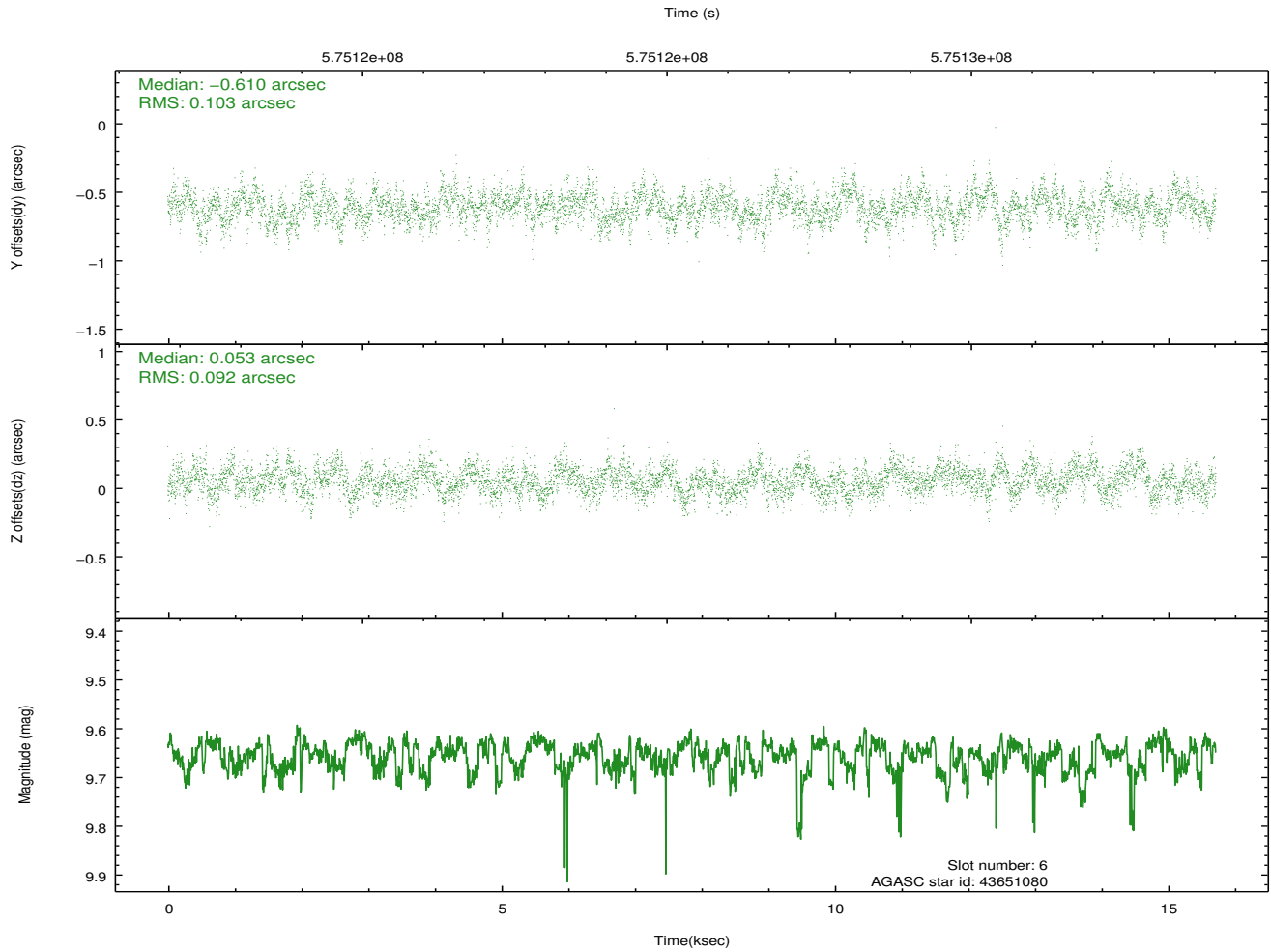
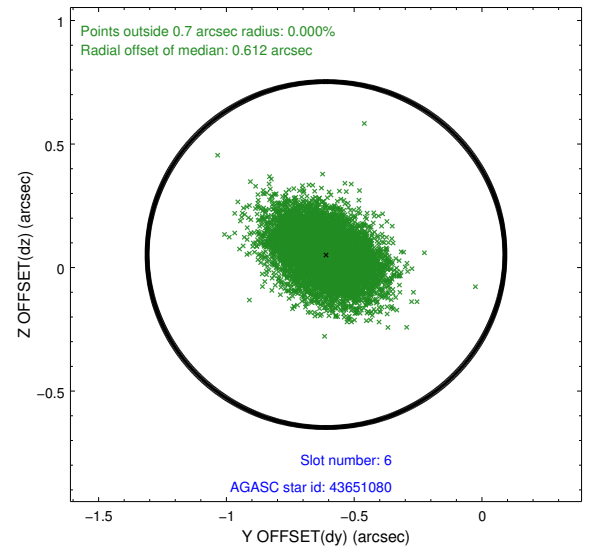
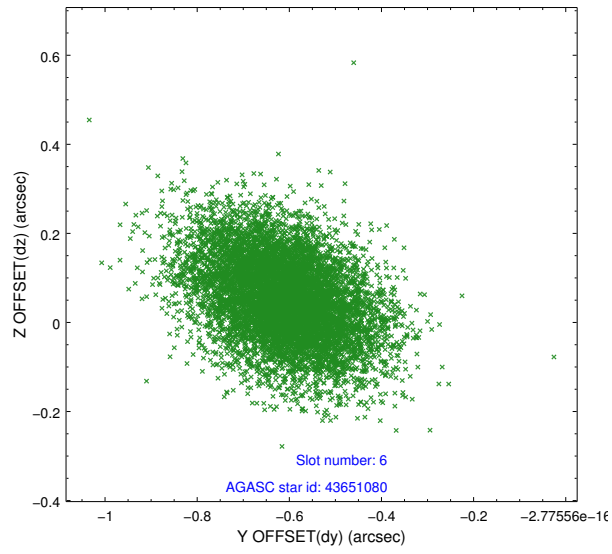
2.4.2 Slot 4



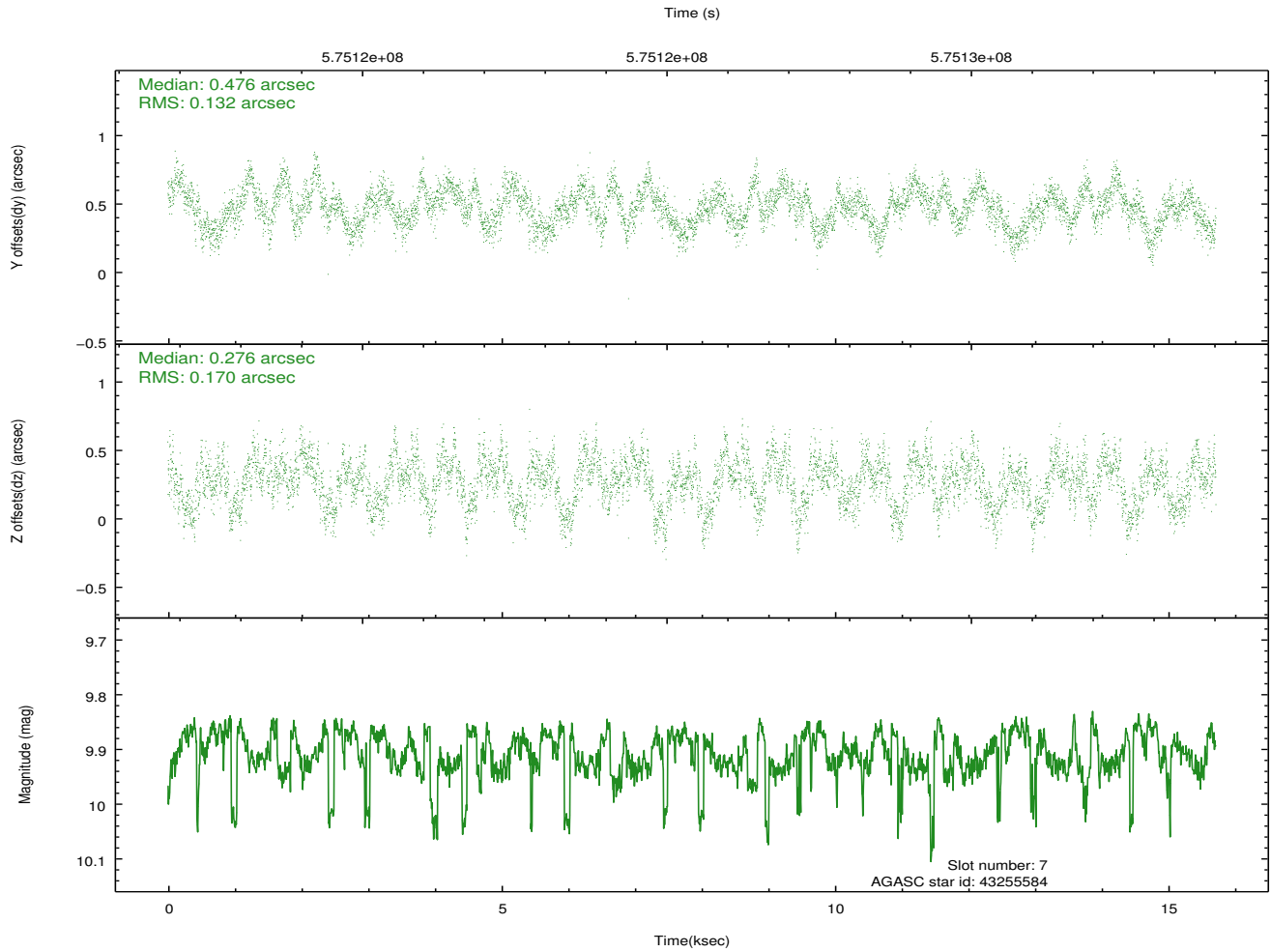
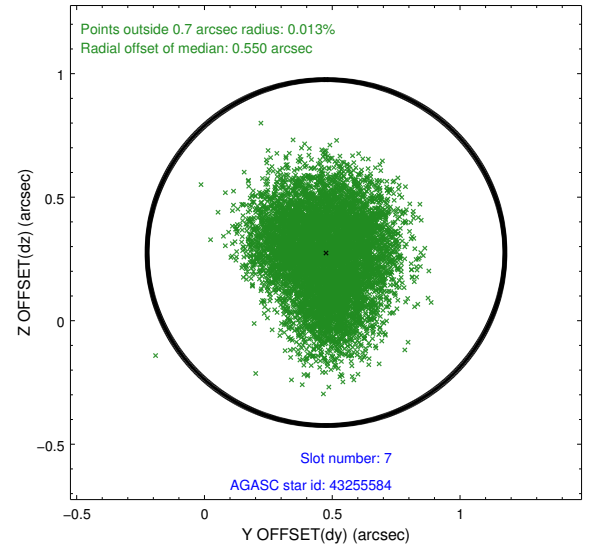
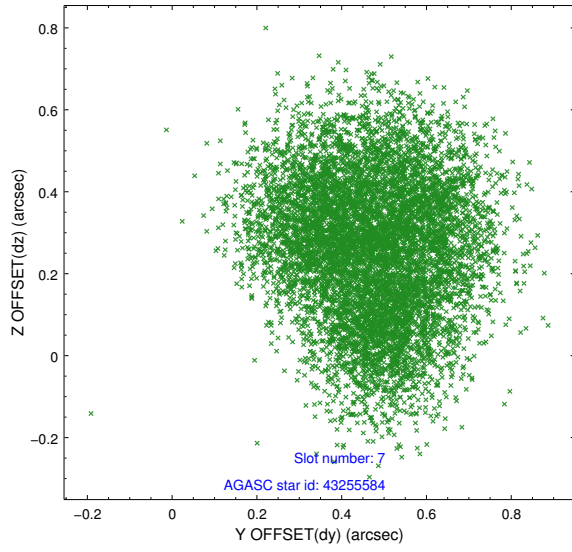
2.4.3 Slot 5



2.4.4 Slot 6

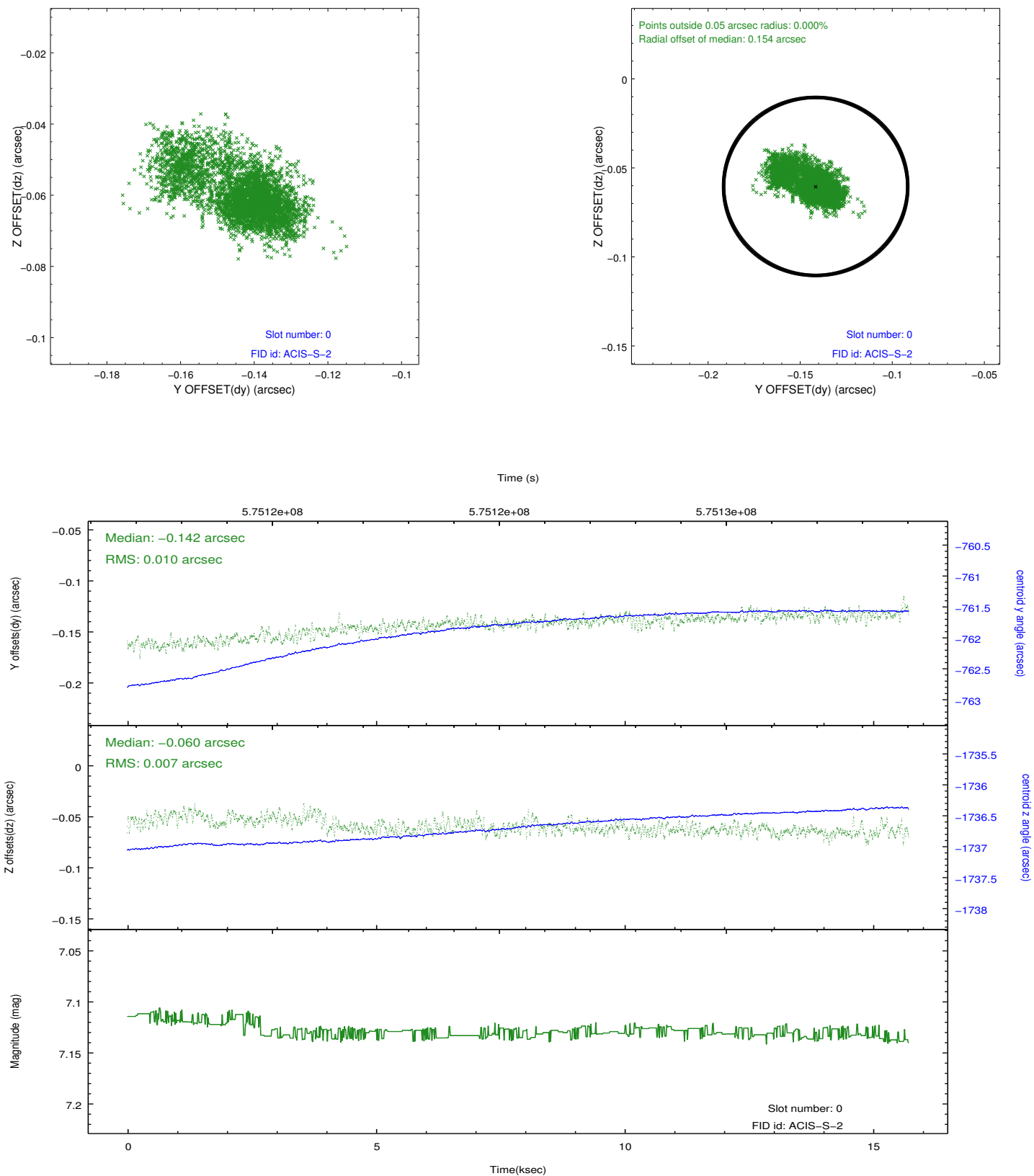


2.4.5 Slot 7

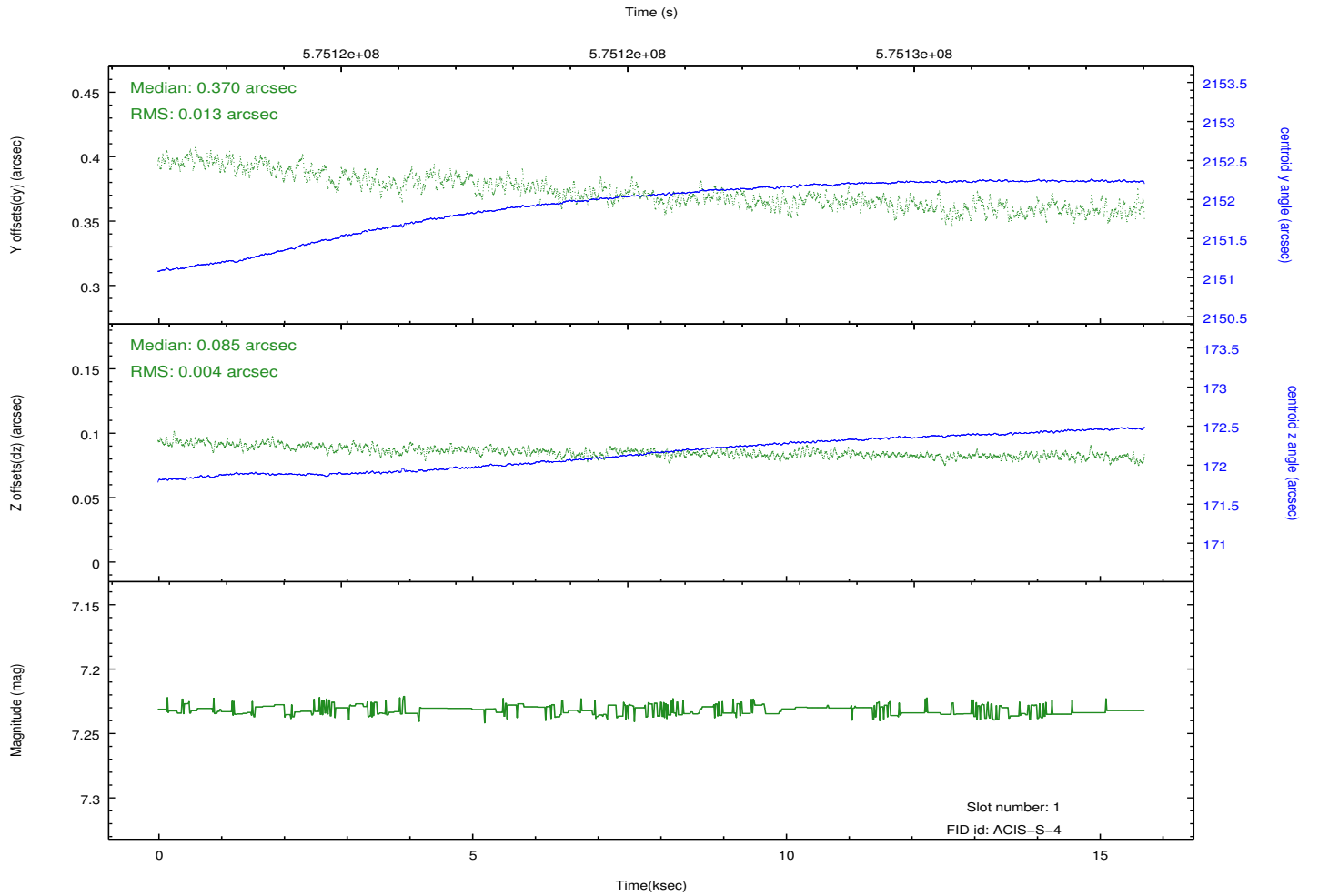
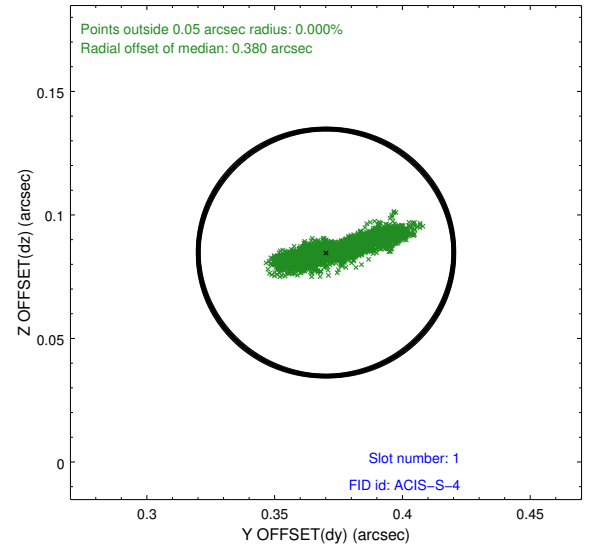
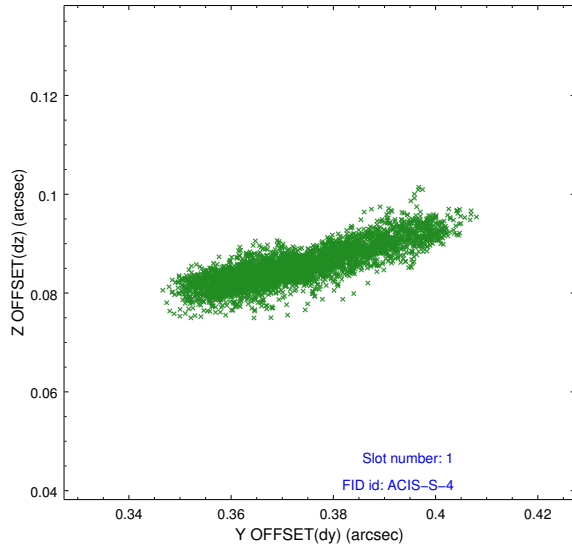


2.5 FID Slots

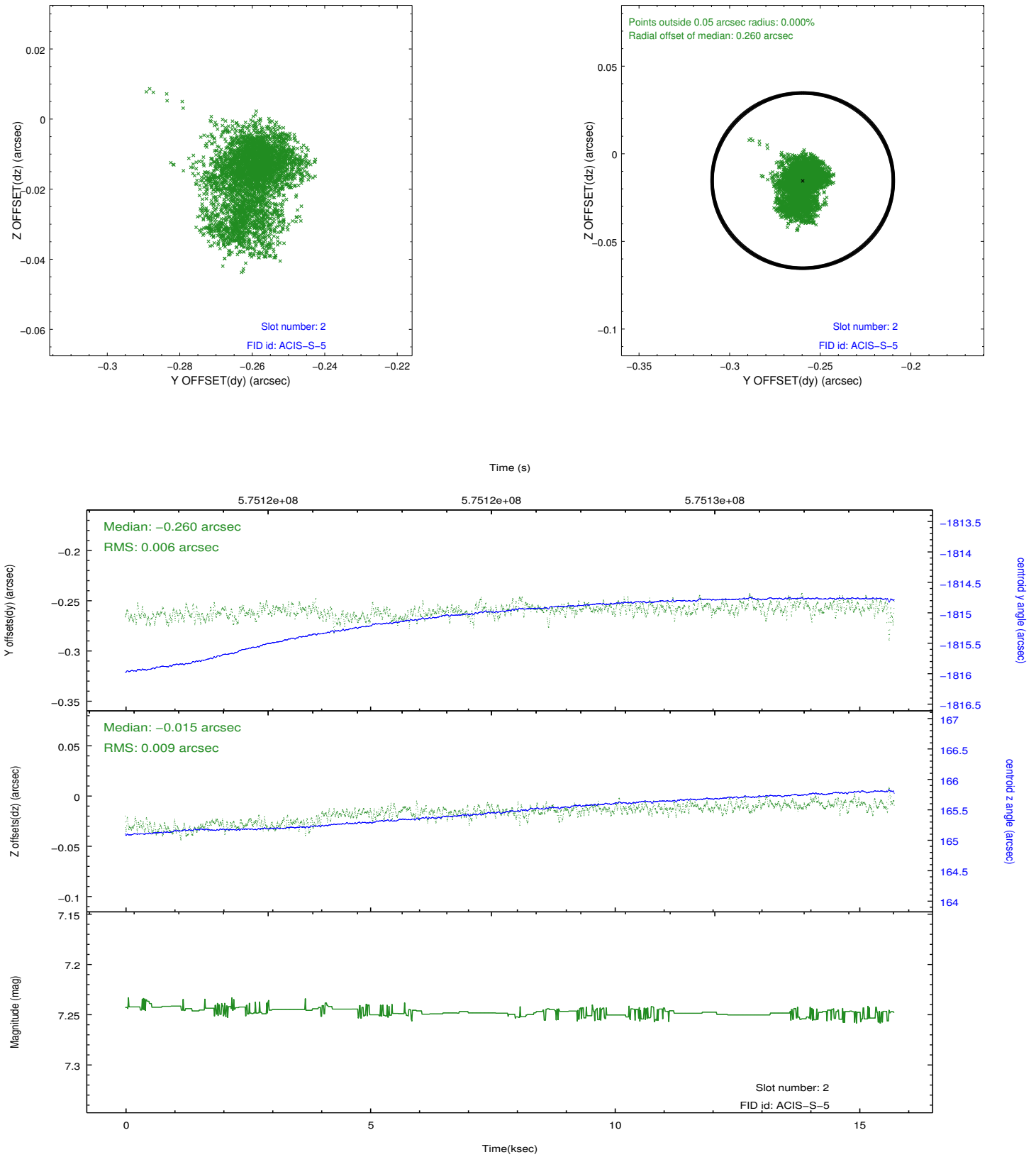
2.5.1 Slot 0



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)	2016.03.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.066000115991

A.2 Comments