

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 17199 - L2 Version 1
Chandra X-Ray Center

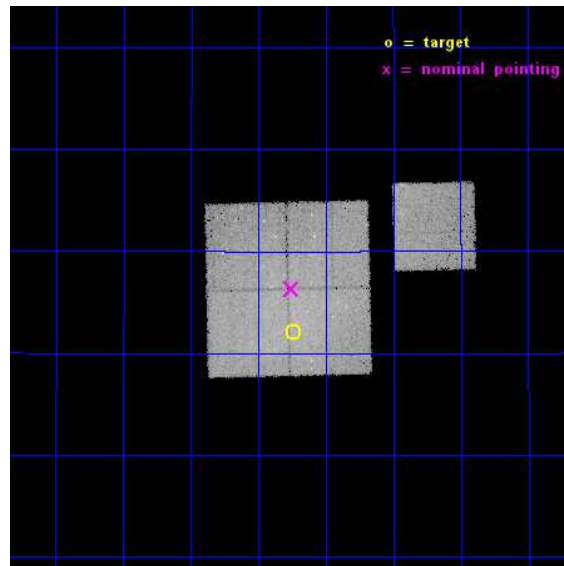
L2 Processing Date : Jan 31 2015

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1 Front

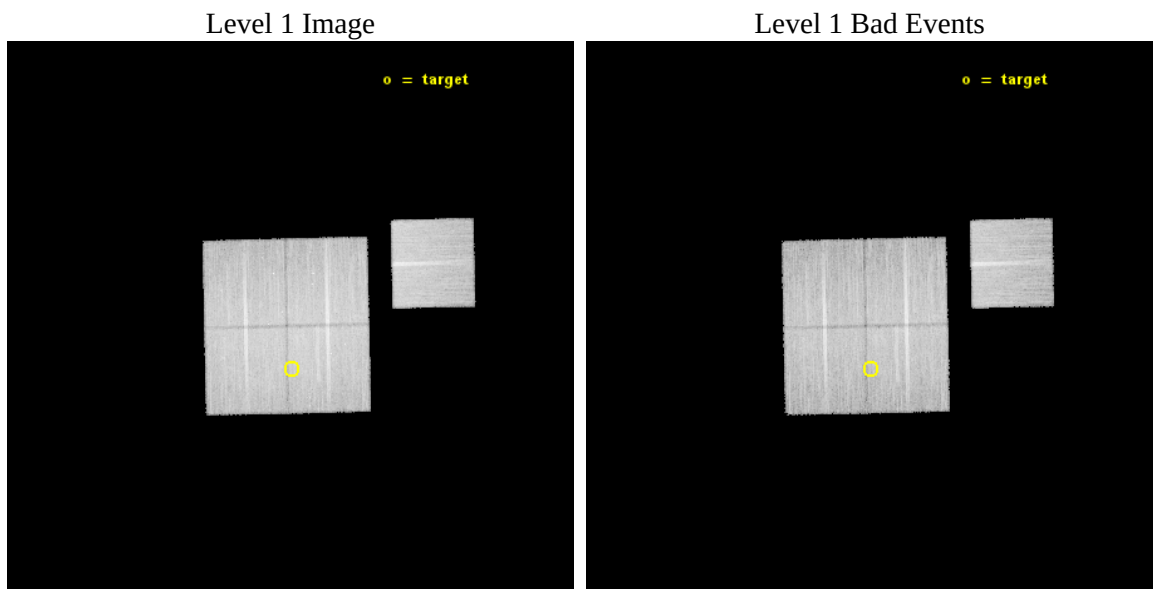
seq_num	801481	Sequence number
obs_id	17199	Observation id
title	Probing the Physics of the ICM in the Dynamically Young Cluster A1367	Proposal title
observer	Dr. William Forman	Principal investigator
object	Abell 1367	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	176.185	Observer's specified target RA [deg]
dec_targ	19.701111	Observer's specified target Dec [deg]
ra_nom	176.18877012772	Nominal RA [deg]
dec_nom	19.77219865554	Nominal Dec [deg]
roll_nom	88.70741457562	Nominal Roll [deg]
revision	1	Processing version of data
ontime	38433.376038074	Sum of GTIs [s]
livetime	37931.215685897	Livetime [s]
ontime0	38430.111907959	Sum of GTIs [s]
ontime1	38433.293958068	Sum of GTIs [s]
ontime2	38427.053027272	Sum of GTIs [s]
ontime3	38433.376038074	Sum of GTIs [s]
ontime6	38433.211878061	Sum of GTIs [s]
l2events	182348	Number of level 2 events



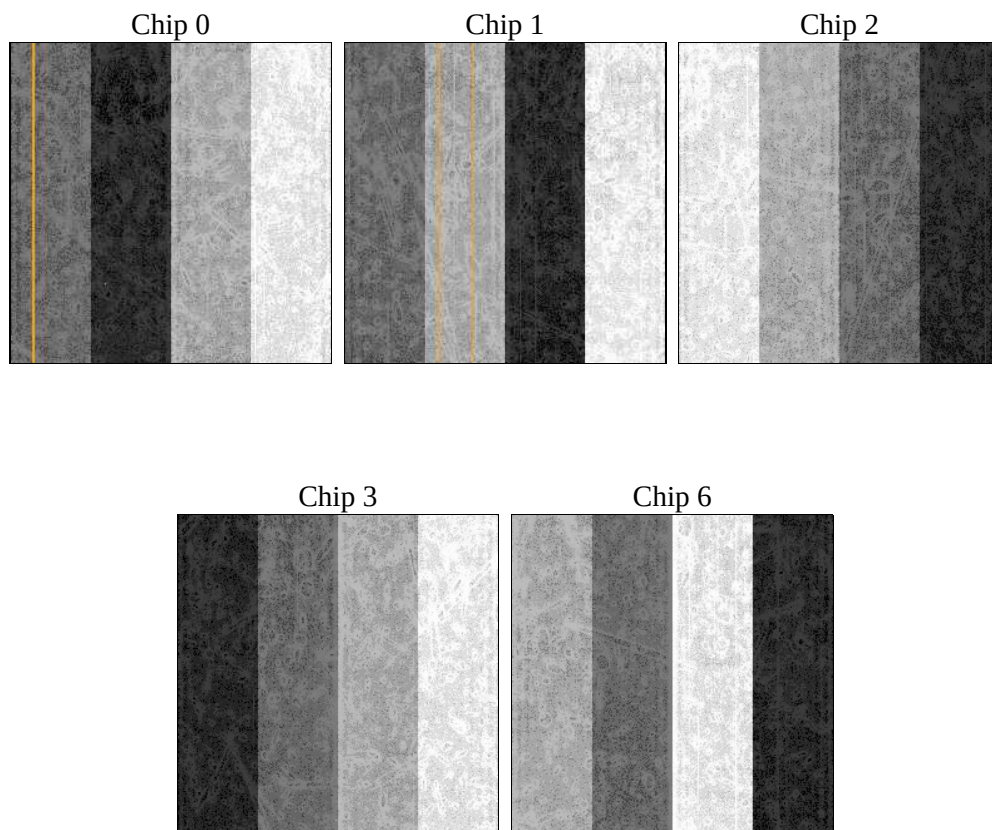
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	38367.000000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	38433.376038074	Sum of GTIs [s]
caldsver	4.6.6	 	ontime0	38430.111907959	Sum of GTIs [s]
date	2015-01-31T19:15:15	Date and time of file creation	ontime1	38433.293958068	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	38427.053027272	Sum of GTIs [s]
			ontime3	38433.376038074	Sum of GTIs [s]
			ontime6	38433.211878061	Sum of GTIs [s]
			l1events	988567	Number of level 1 events

2.1.4 Events

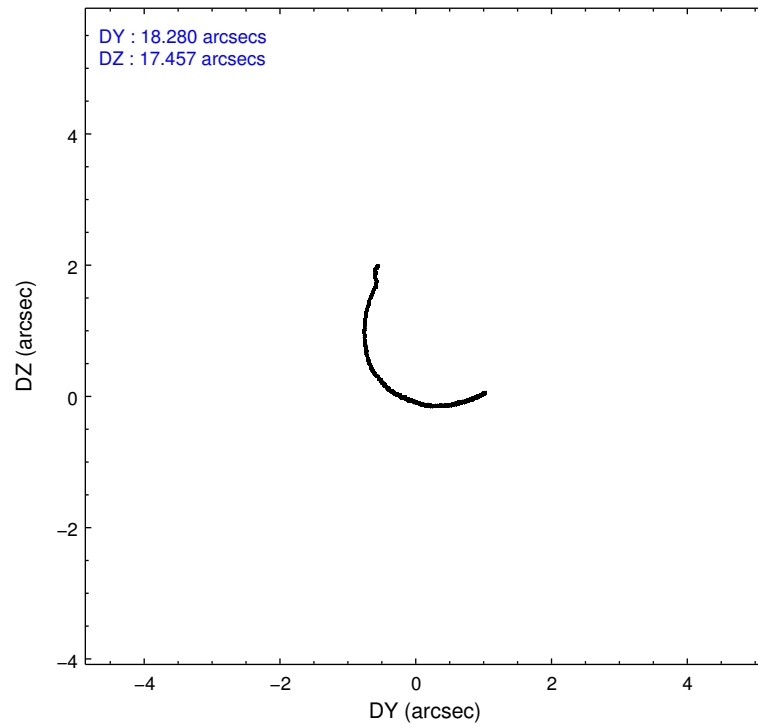
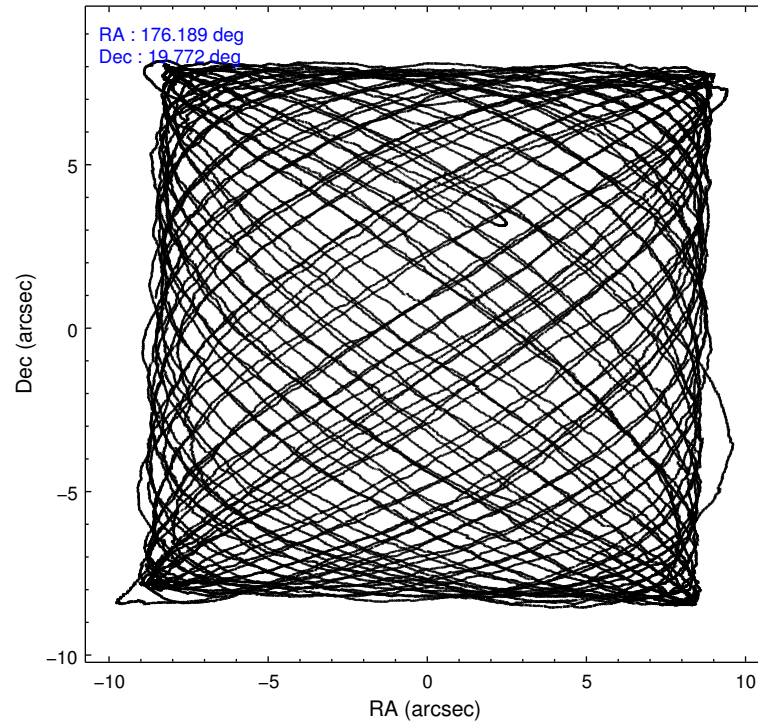
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	183340	198948	202968	207914	195397	grade 0 events	19679	29639	23438	28043	14700
rejected events	146203	148668	162020	161907	164556		10%	14%	11%	13%	7%
rejected %	79%	74%	79%	77%	84%	grade 1 events	168	171	161	178	99
							0%	0%	0%	0%	0%
						grade 2 events	7153	8512	7340	7099	5913
							3%	4%	3%	3%	3%
						grade 3 events	2835	3098	2761	2930	2475
							1%	1%	1%	1%	1%
						grade 4 events	2579	3165	2709	2961	2514
							1%	1%	1%	1%	1%
						grade 5 events	8689	8977	8280	9731	8984
							4%	4%	4%	4%	4%
						grade 6 events	4896	5870	4704	4977	5245
							2%	2%	2%	2%	2%
						grade 7 events	137341	139516	153575	151995	155467
							74%	70%	75%	73%	79%

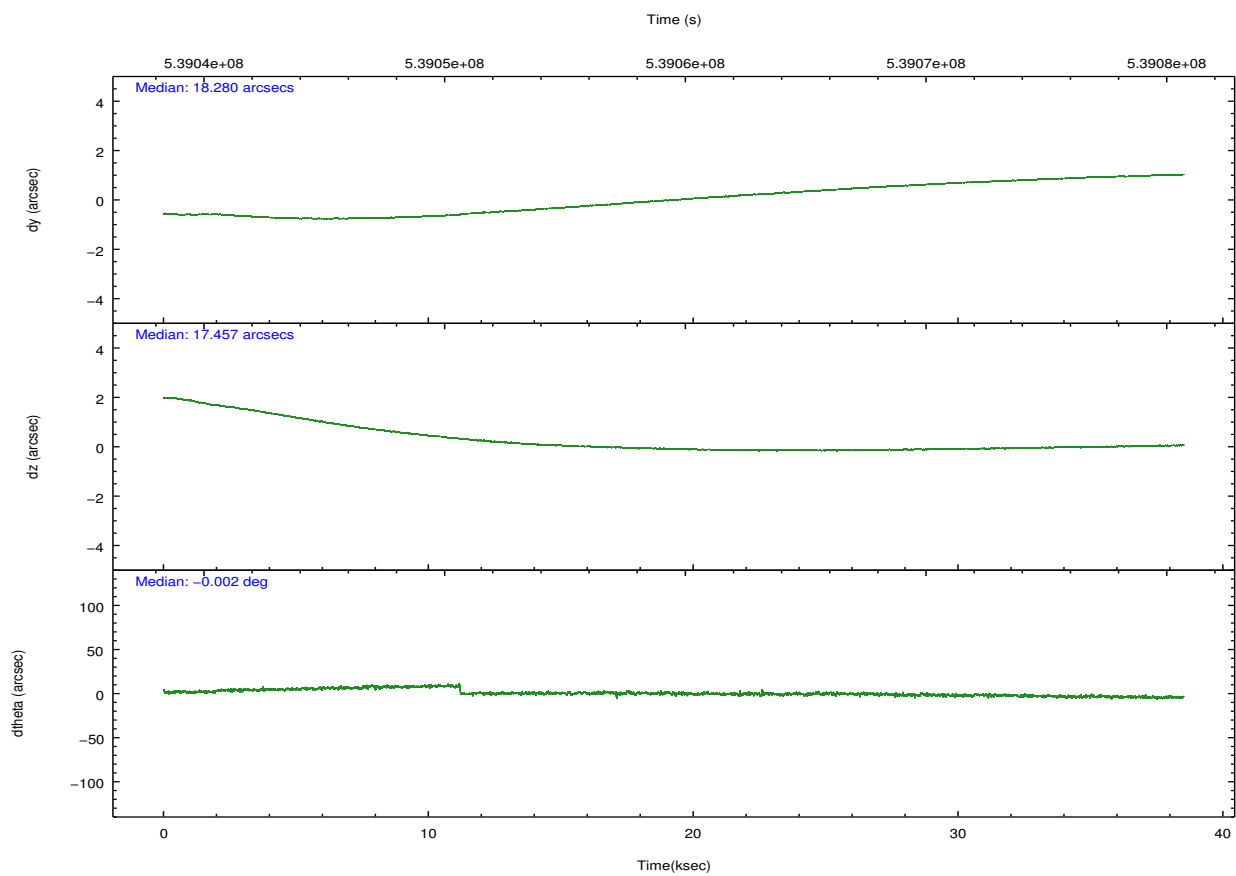
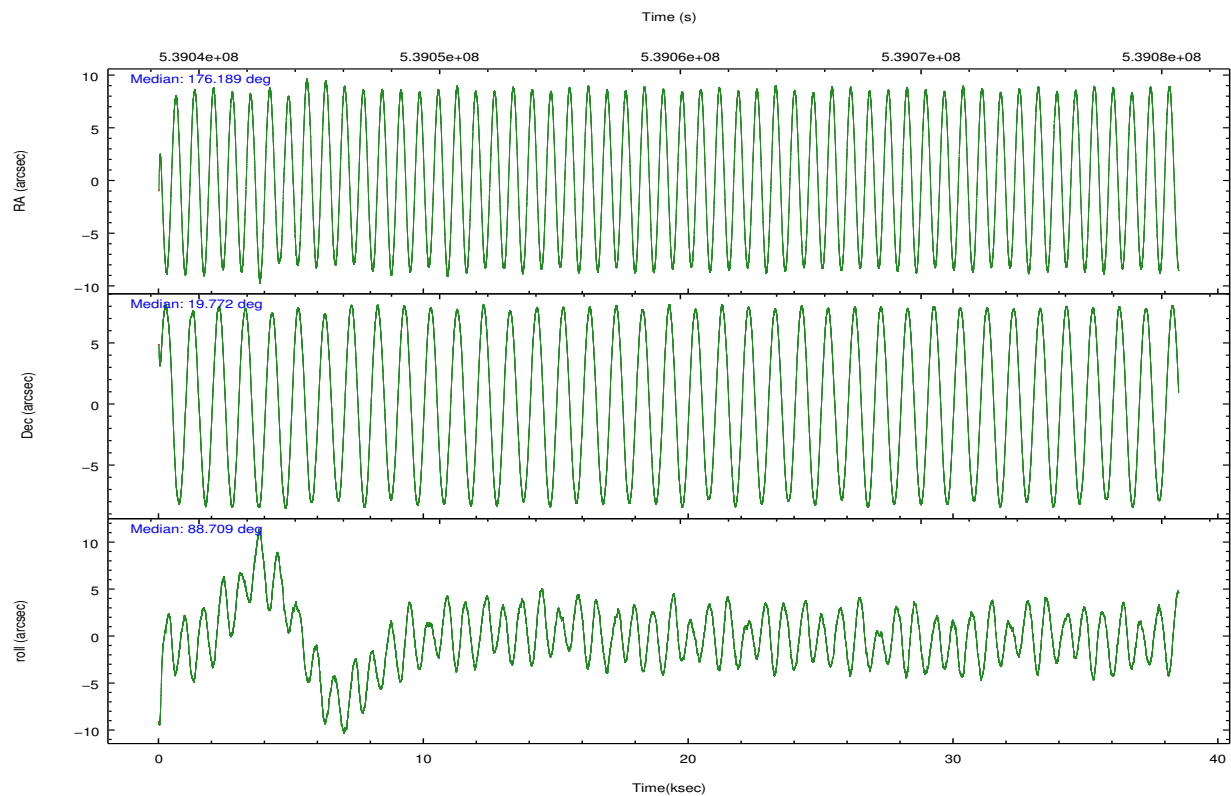
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-01236	ACIS-01236
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	176.202958	176.1887701277215
[deg] Pointing Dec	19.748011	19.77219865554029
[deg] Pointing Roll	88.493931	88.70741457562021
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-234.592463	-234.5931605814527
[mm] SIM translation stage offset	1	1.000707578522992
[s] Observation start time (MET)	539040410.184000	539039214.1585799
Observation start date	2015-01-30T21:25:43	2015-01-30T21:06:54
[s] Observation end time (MET)	539078777.184000	539079723.69835
Observation end date	2015-01-31T08:05:10	2015-01-31T08:22:03
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	Y	Y
CCD I1 on	Y	Y
CCD I2 on	Y	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	O1	Y
CCD S3 on	N	N
CCD S4 on	N	N
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



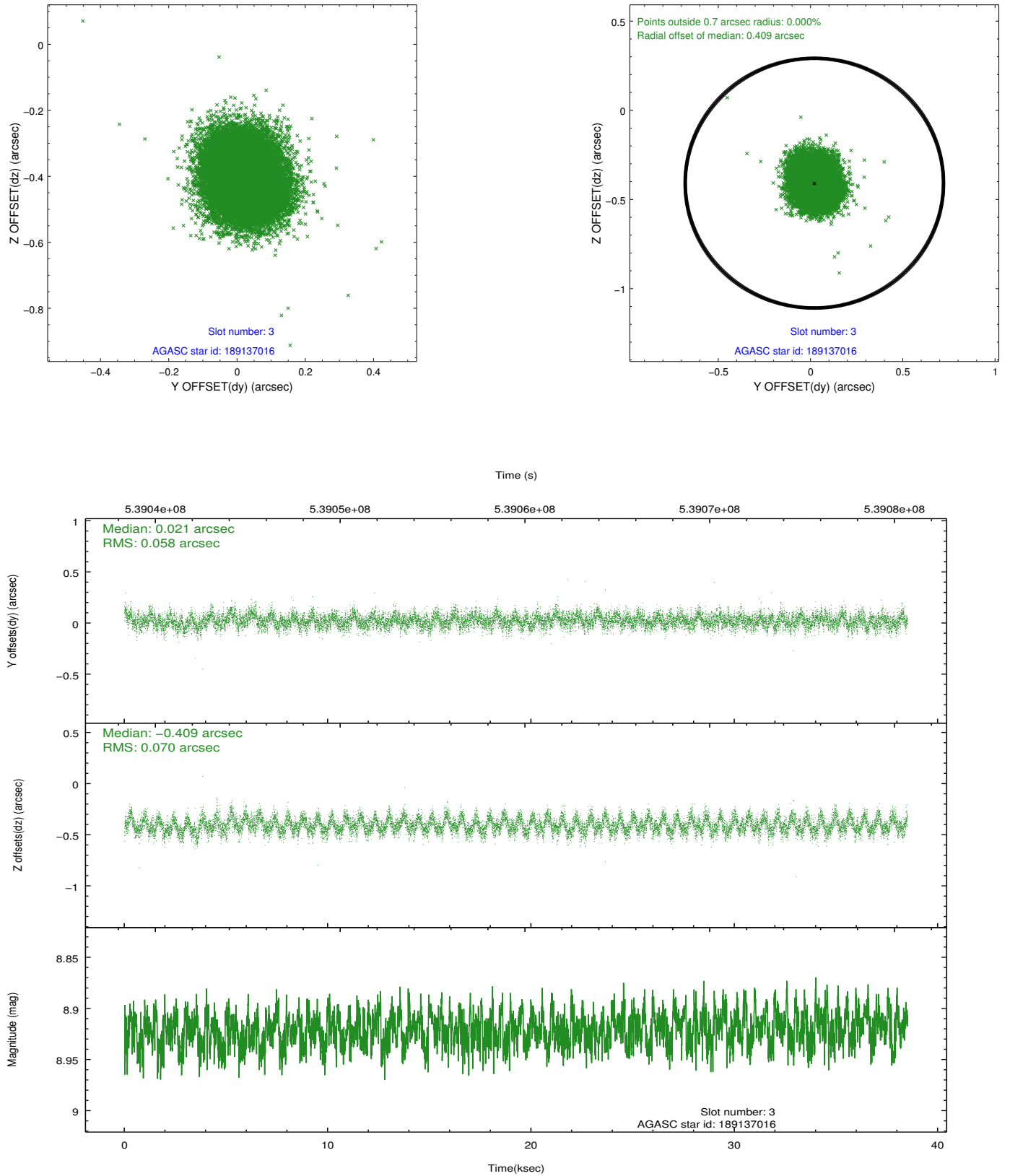


Slot Statistics

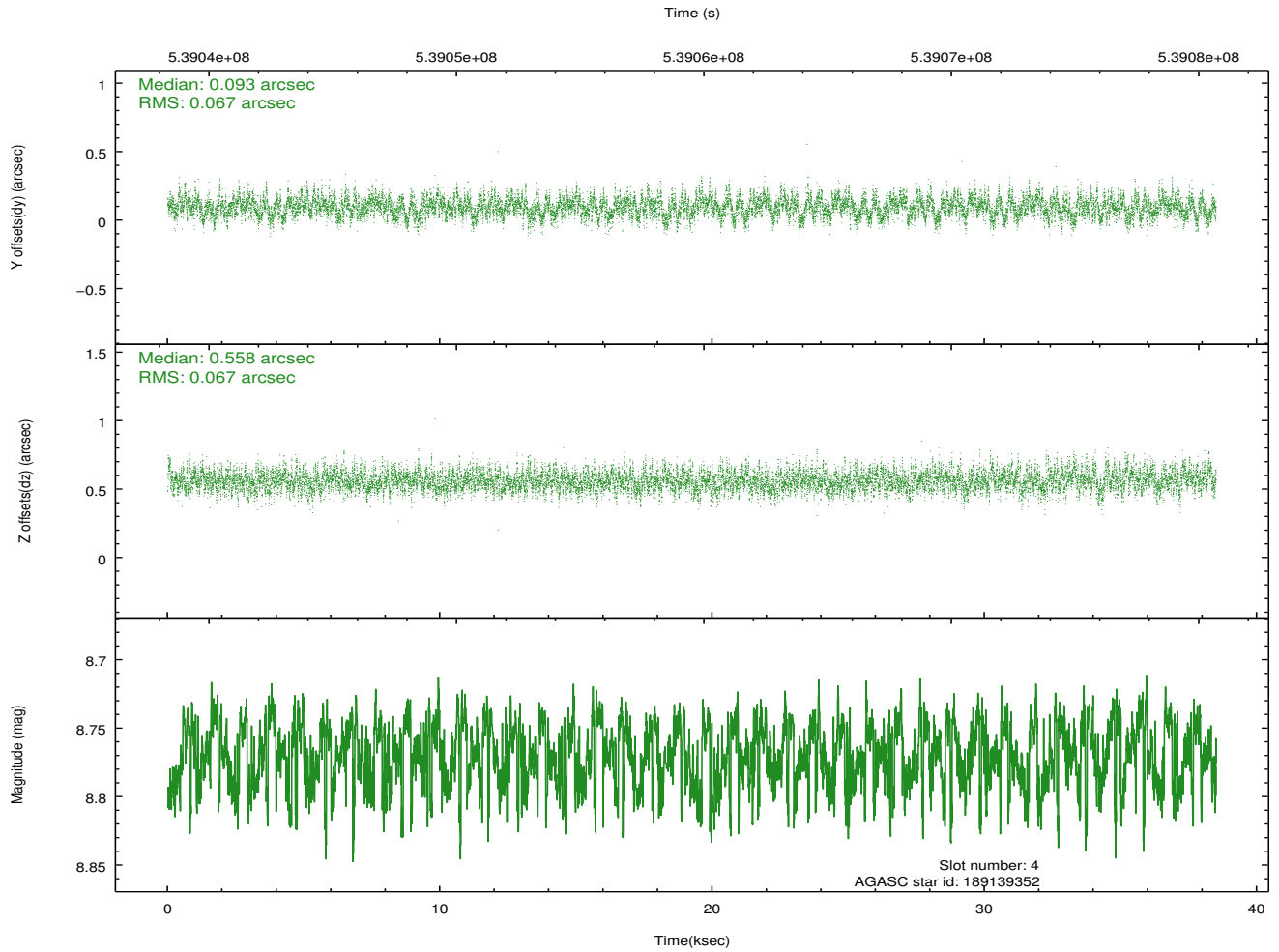
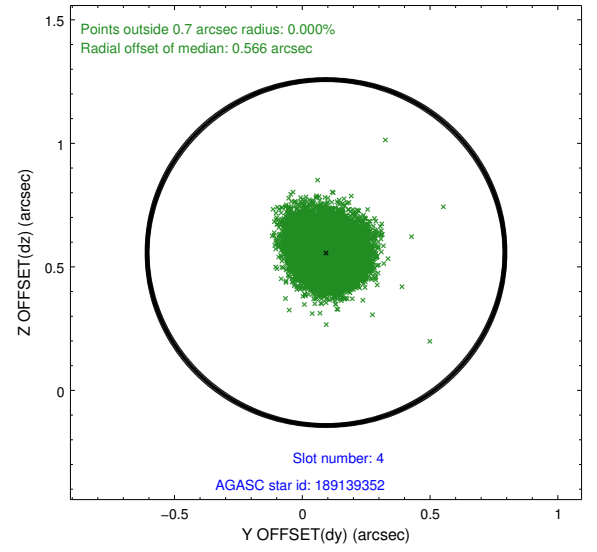
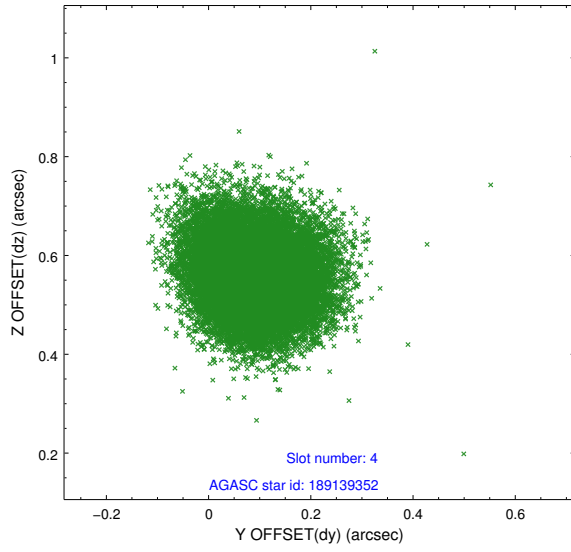
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.11	9392	-0.065	0.063	0.020	0.081	0.000000	0.000000	921.01	-820.68
1	FID		ACIS-I-2	7.00	9391	-0.232	-0.150	0.018	0.041	0.000000	0.000000	-773.18	-827.50
2	FID		ACIS-I-4	7.02	9391	0.197	0.153	0.014	0.058	0.000000	0.000000	2141.20	1079.05
3	GUIDE	used	189137016	8.92	18771	0.021	-0.409	0.097	0.154	176.017714	19.173647	-2082.85	575.27
4	GUIDE	used	189139352	8.77	18772	0.093	0.558	0.101	0.162	176.255936	19.500124	-887.03	-202.31
5	GUIDE	used	189140584	7.40	18782	-0.251	0.016	0.091	0.146	176.337611	19.889196	519.59	-442.25
6	GUIDE	used	189147640	7.62	18782	-0.212	-0.278	0.077	0.125	176.540349	20.319236	2086.91	-1084.72
7	GUIDE	used	189152088	8.50	18776	0.347	0.105	0.116	0.173	176.796455	19.306289	-1532.40	-2056.71

2.4 Star Slots

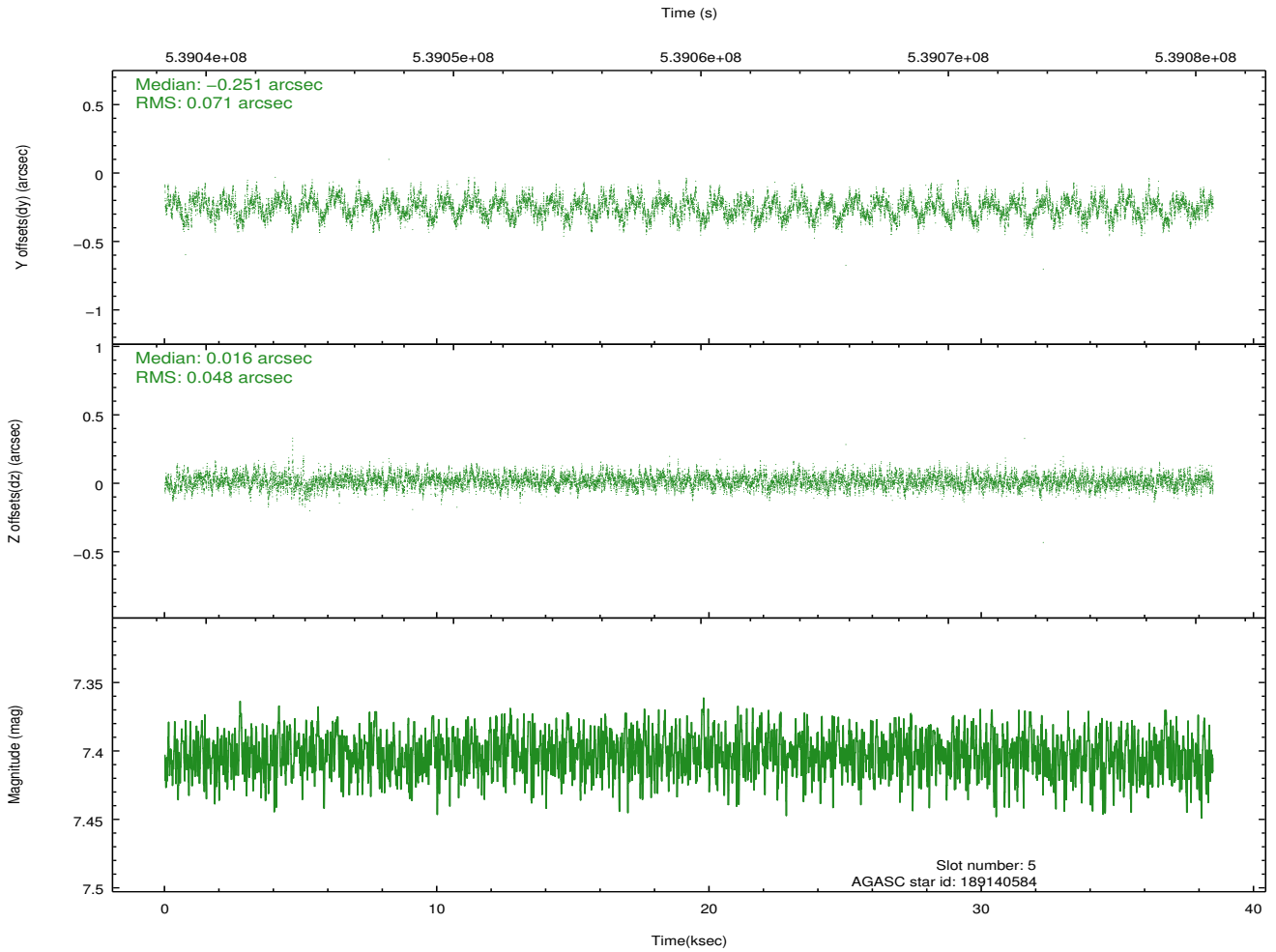
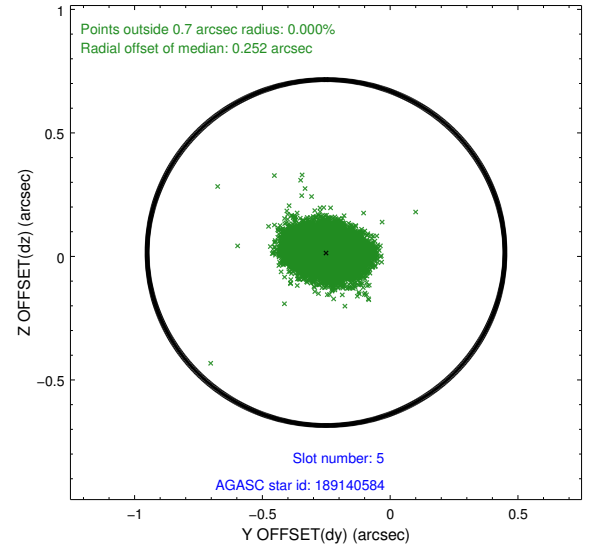
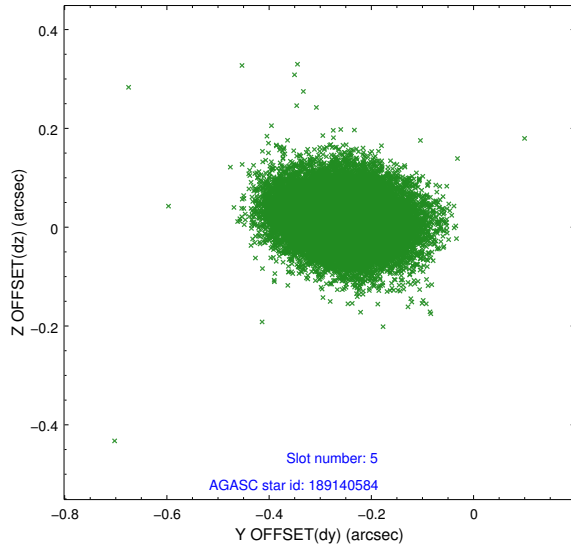
2.4.1 Slot 3



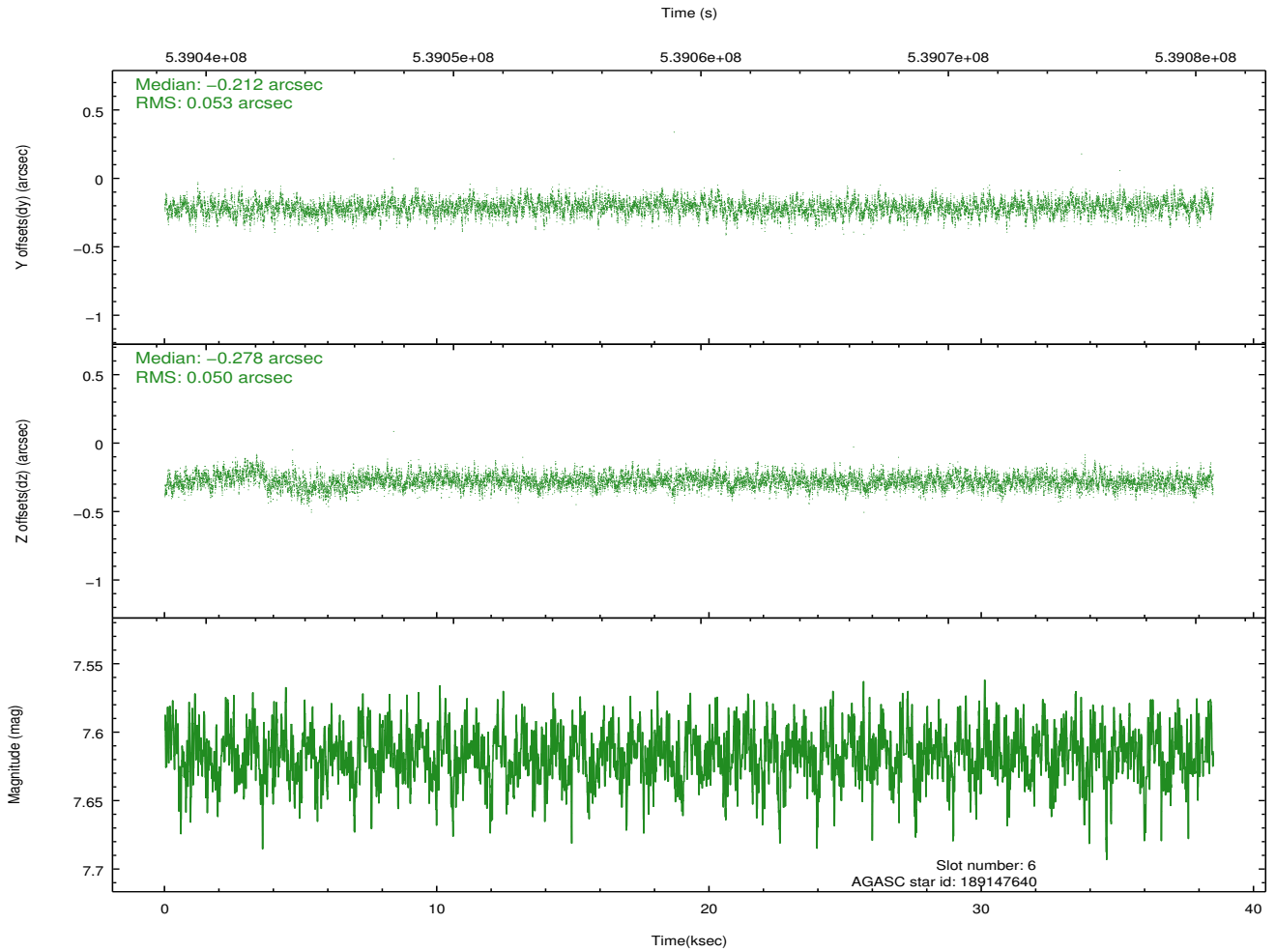
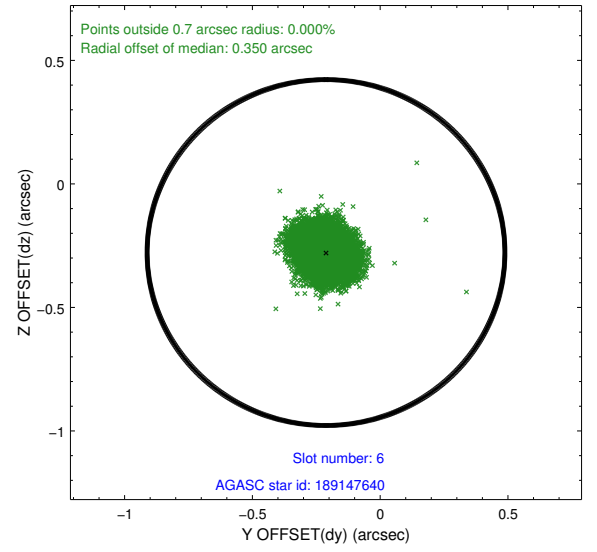
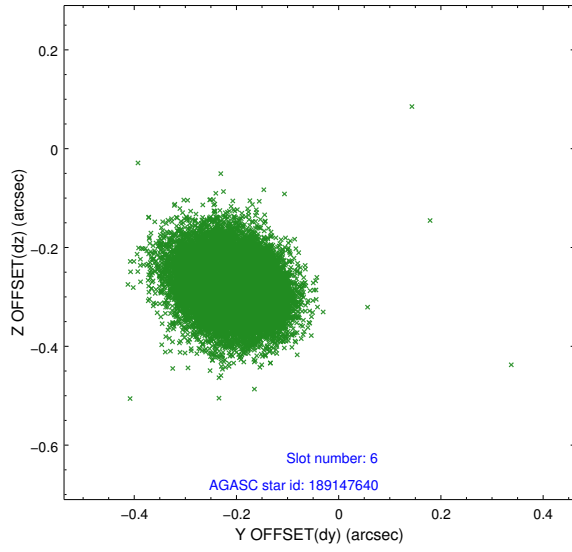
2.4.2 Slot 4



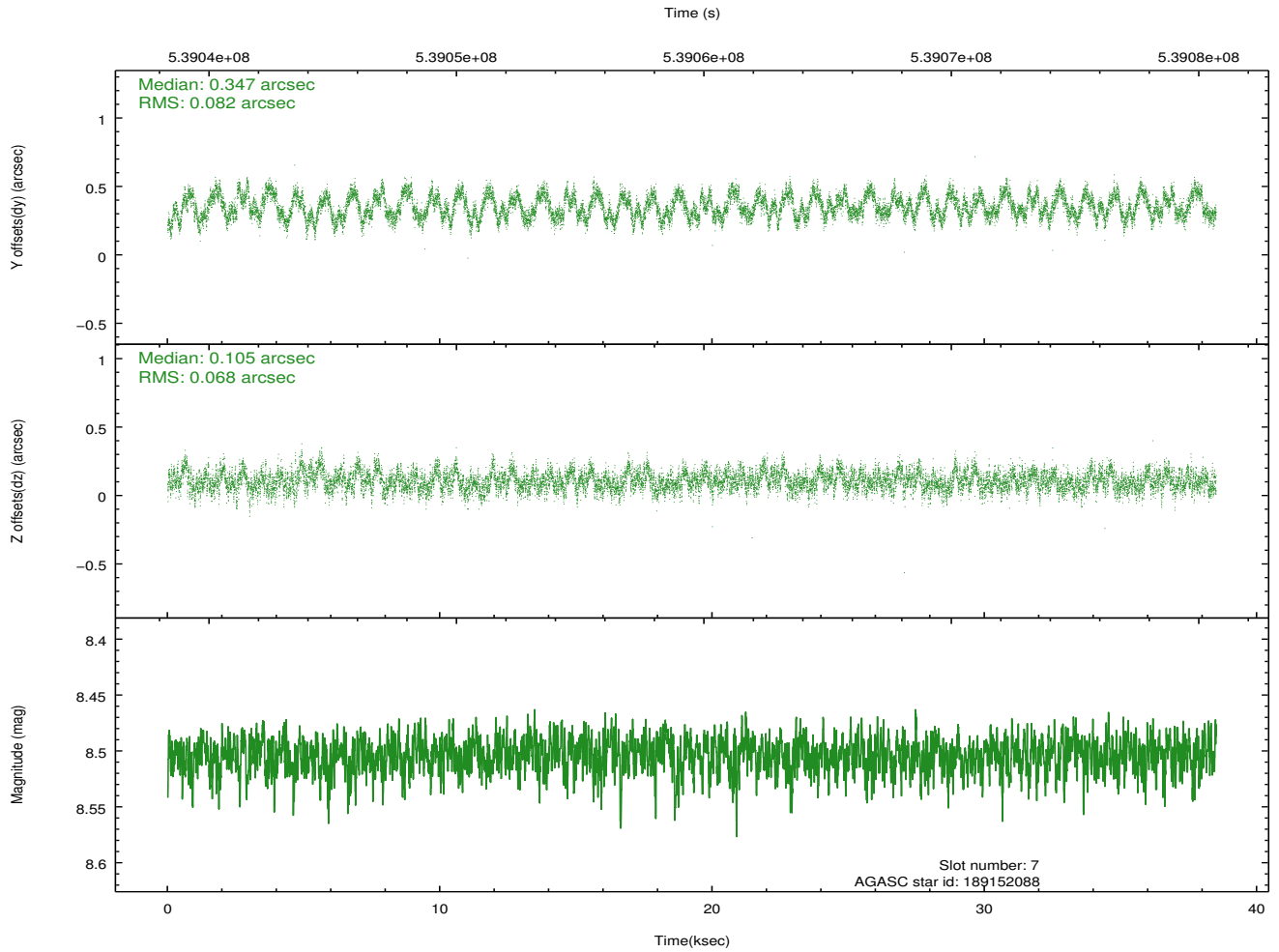
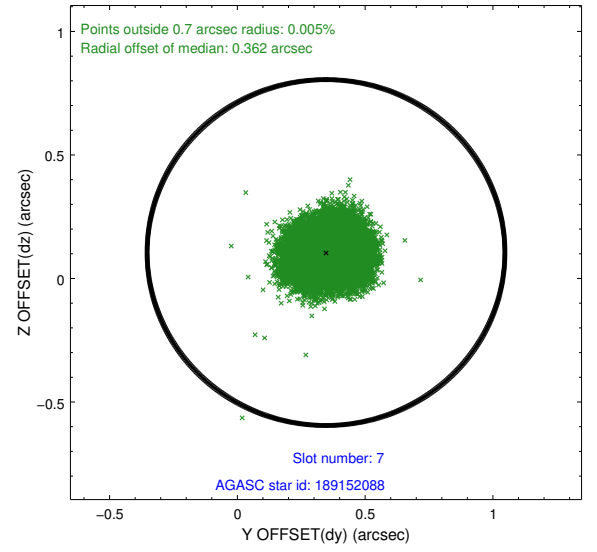
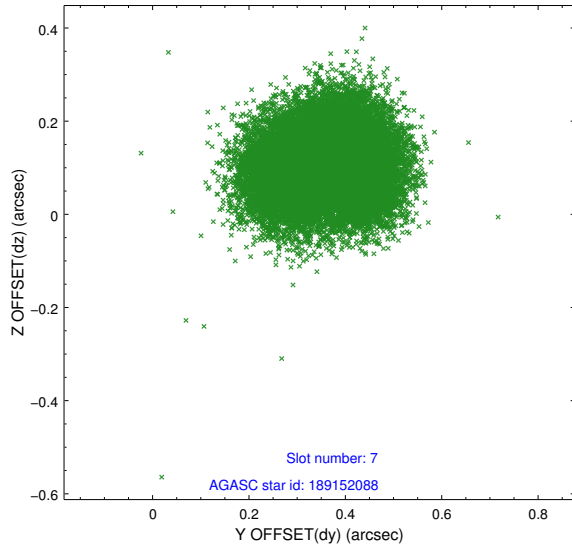
2.4.3 Slot 5



2.4.4 Slot 6

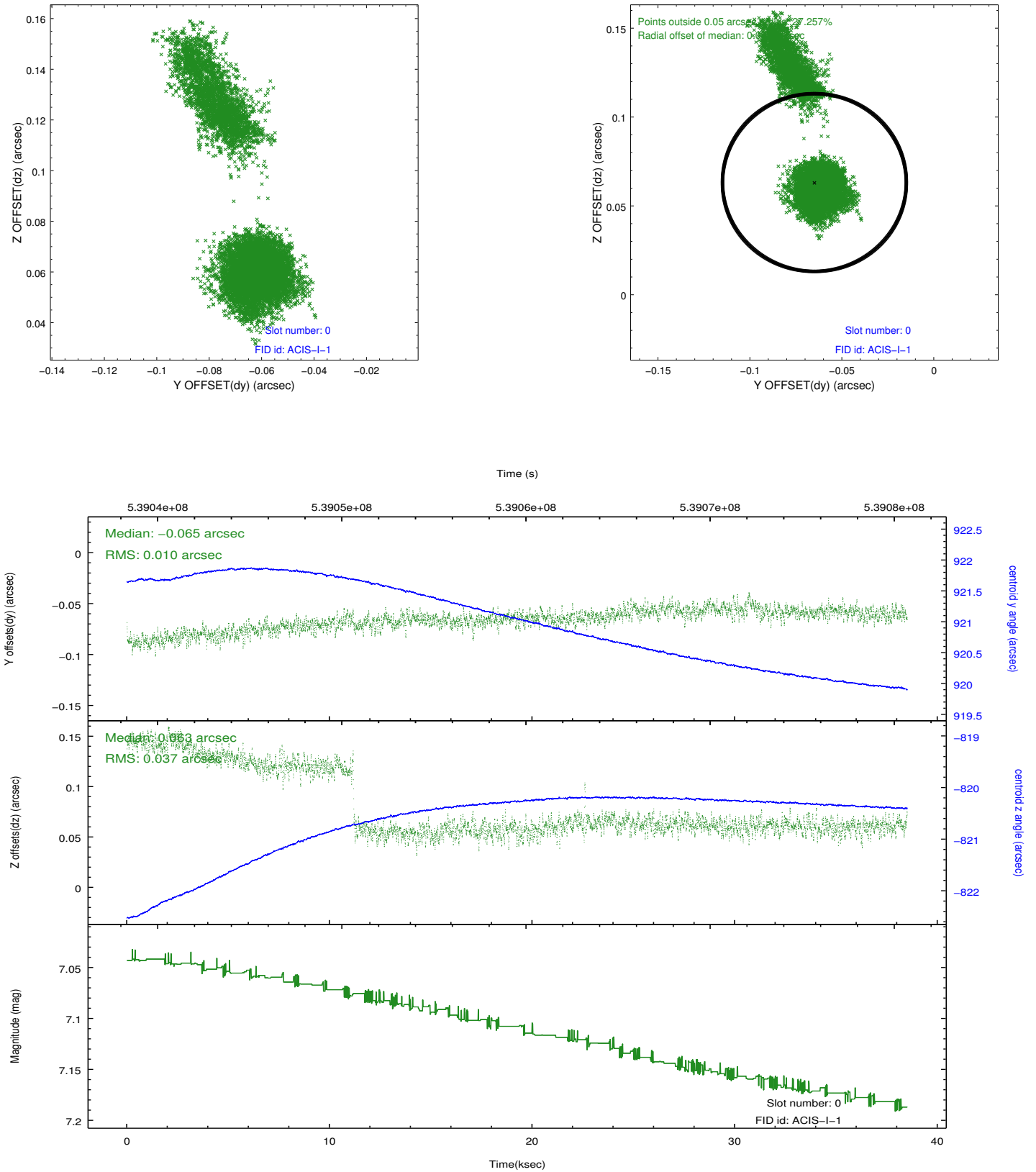


2.4.5 Slot 7

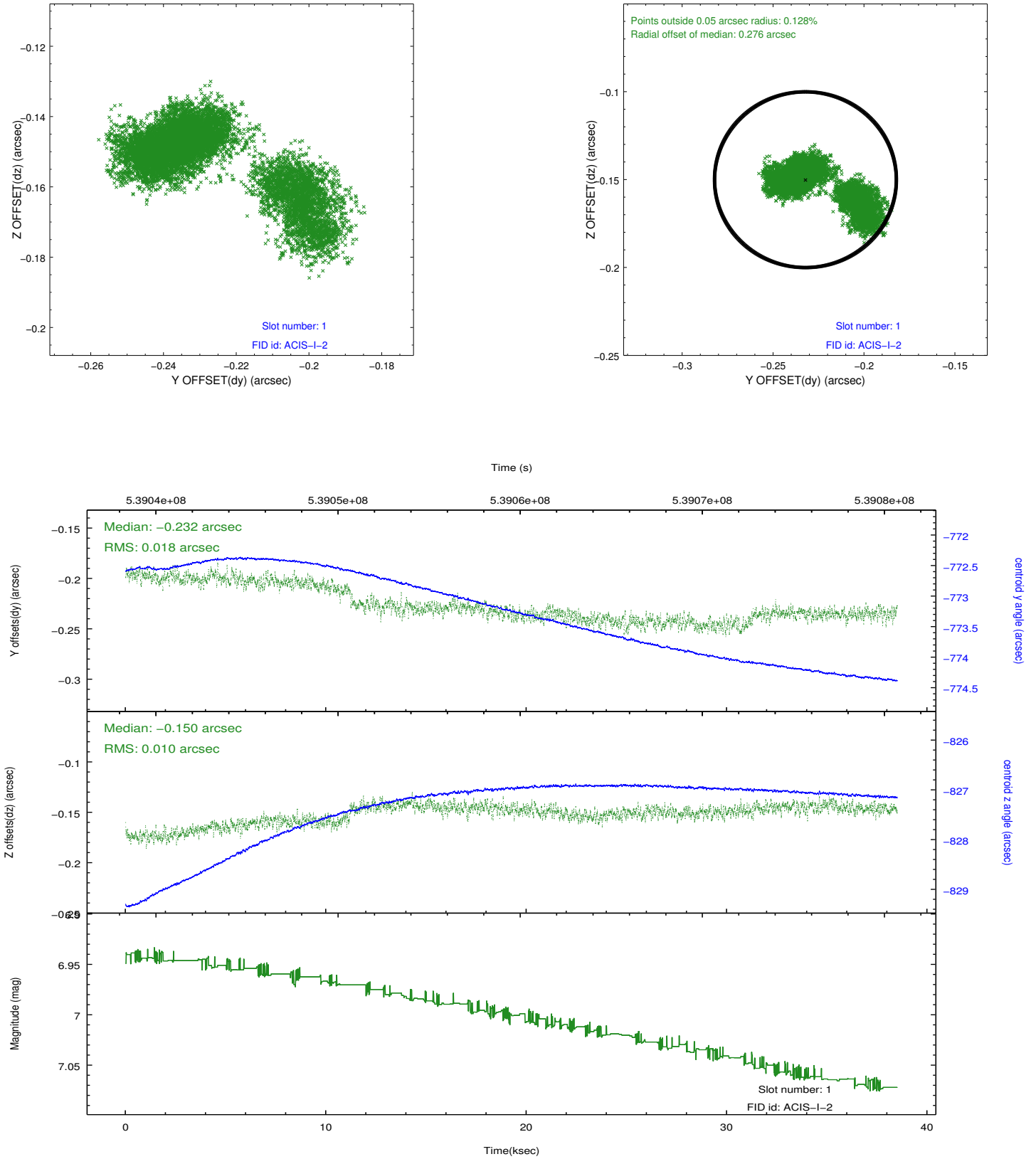


2.5 FID Slots

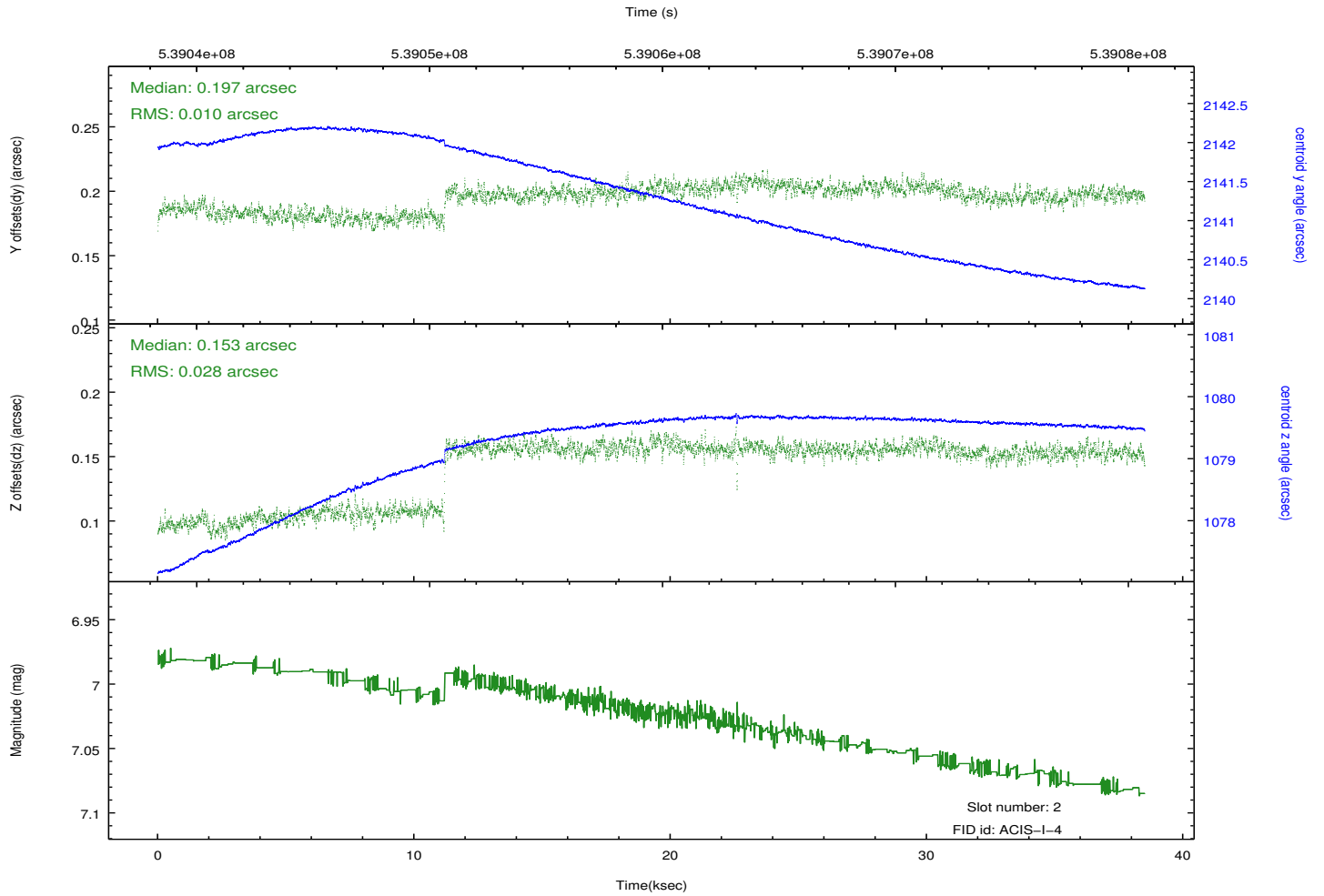
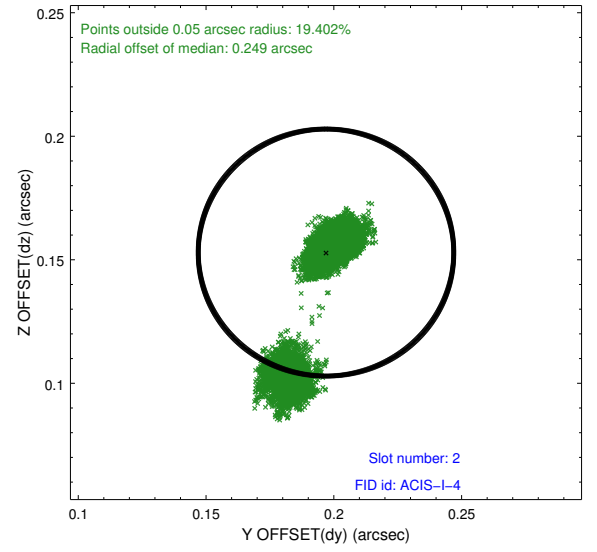
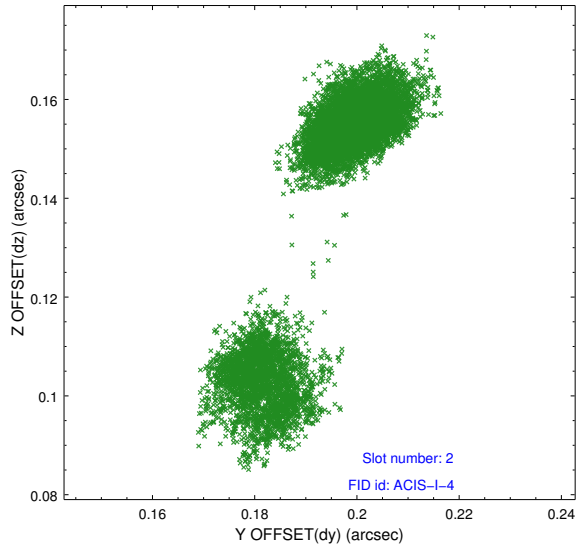
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.01.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.433376038074

A.2 Comments