

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17200 - L2 Version 1
Chandra X-Ray Center

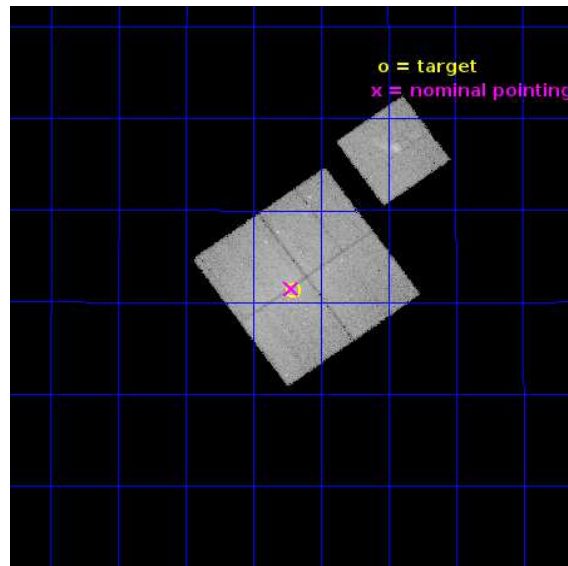
L2 Processing Date : Nov 5 2015

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1 Front

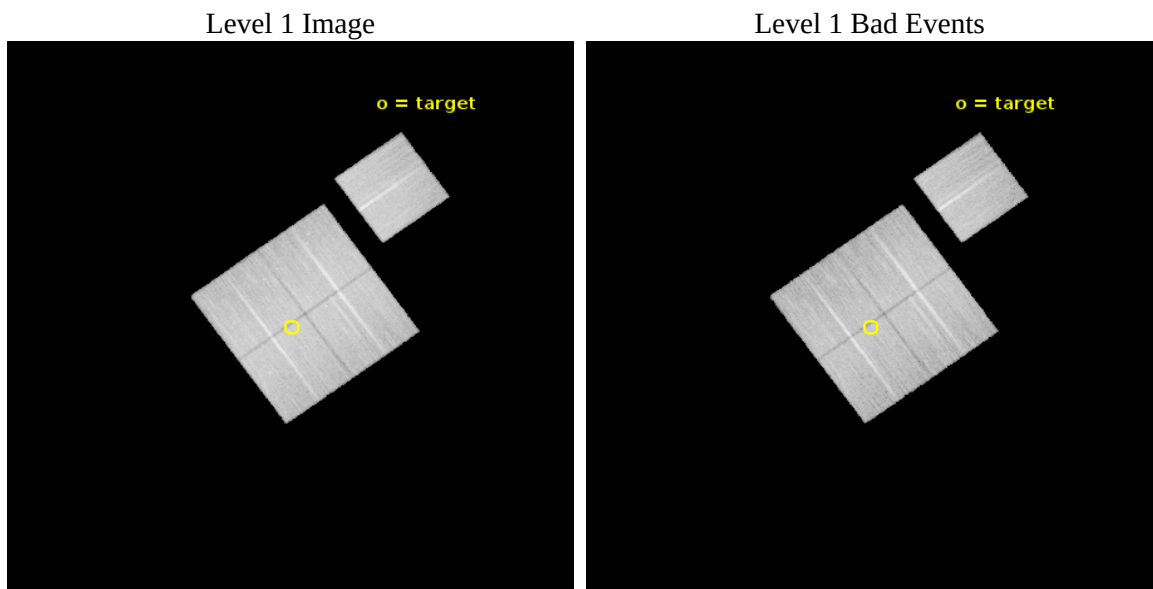
seq_num	801481	Sequence number
obs_id	17200	Observation id
title	Probing the Physics of the ICM in the Dynamically Young Cluster A1367	Proposal title
observer	Dr. William Forman	Principal investigator
object	Abell 1367	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	176.17509	Observer's specified target RA [deg]
dec_targ	19.688654	Observer's specified target Dec [deg]
ra_nom	176.17932926094	Nominal RA [deg]
dec_nom	19.69126109745	Nominal Dec [deg]
roll_nom	54.207269082736	Nominal Roll [deg]
revision	1	Processing version of data
ontime	40079.900308371	Sum of GTIs [s]
livetime	39556.226904448	Livetime [s]
ontime0	40076.75933814	Sum of GTIs [s]
ontime1	40079.900308371	Sum of GTIs [s]
ontime2	40073.618348002	Sum of GTIs [s]
ontime3	40076.75933814	Sum of GTIs [s]
ontime6	40079.900308371	Sum of GTIs [s]
l2events	202713	Number of level 2 events



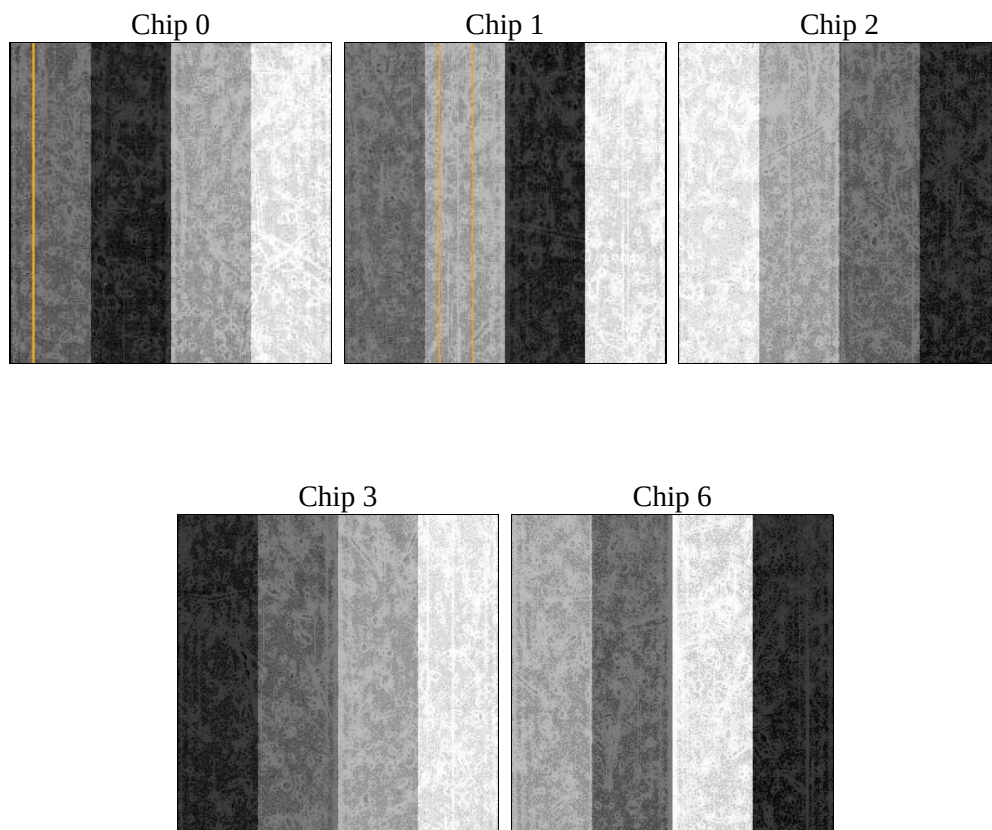
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	40079.900308371	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	40076.75933814	Sum of GTIs [s]
date	2015-11-05T23:42:34	Date and time of file creation	ontime1	40079.900308371	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	40073.618348002	Sum of GTIs [s]
			ontime3	40076.75933814	Sum of GTIs [s]
			ontime6	40079.900308371	Sum of GTIs [s]
			l1events	1150750	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	227898	229096	233432	227624	232700
rejected events	174756	178575	186965	188186	193320
rejected %	76%	77%	80%	82%	83%

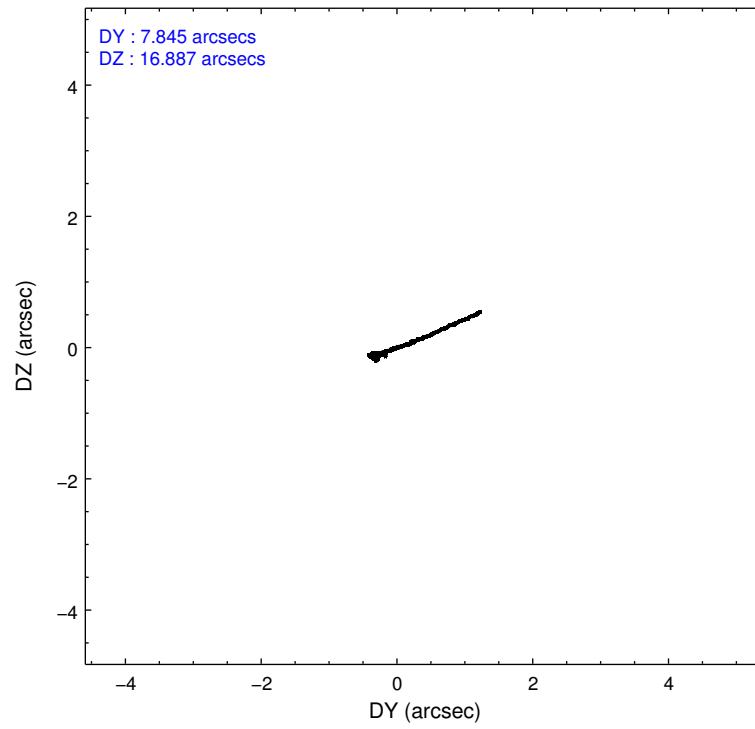
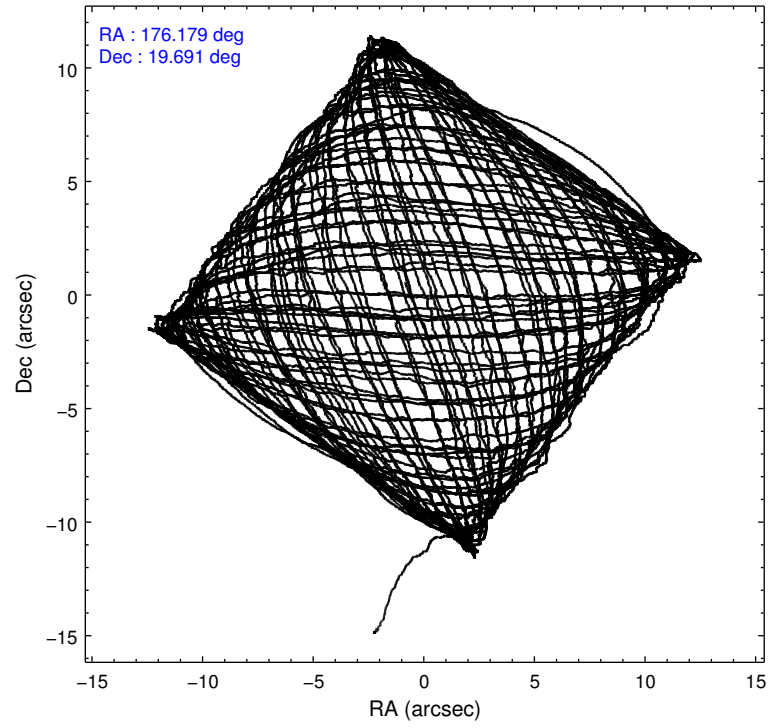
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	31446	27606	26294	21358	19775
	13%	12%	11%	9%	8%
grade 1 events	182	147	191	178	152
	0%	0%	0%	0%	0%
grade 2 events	9331	9408	8407	6717	7262
	4%	4%	3%	2%	3%
grade 3 events	3331	3346	3190	2912	3058
	1%	1%	1%	1%	1%
grade 4 events	3312	3448	3207	2959	2993
	1%	1%	1%	1%	1%
grade 5 events	9810	10466	9511	11269	10880
	4%	4%	4%	4%	4%
grade 6 events	5734	6718	5374	5502	6296
	2%	2%	2%	2%	2%
grade 7 events	164752	167957	177258	176729	182284
	72%	73%	75%	77%	78%

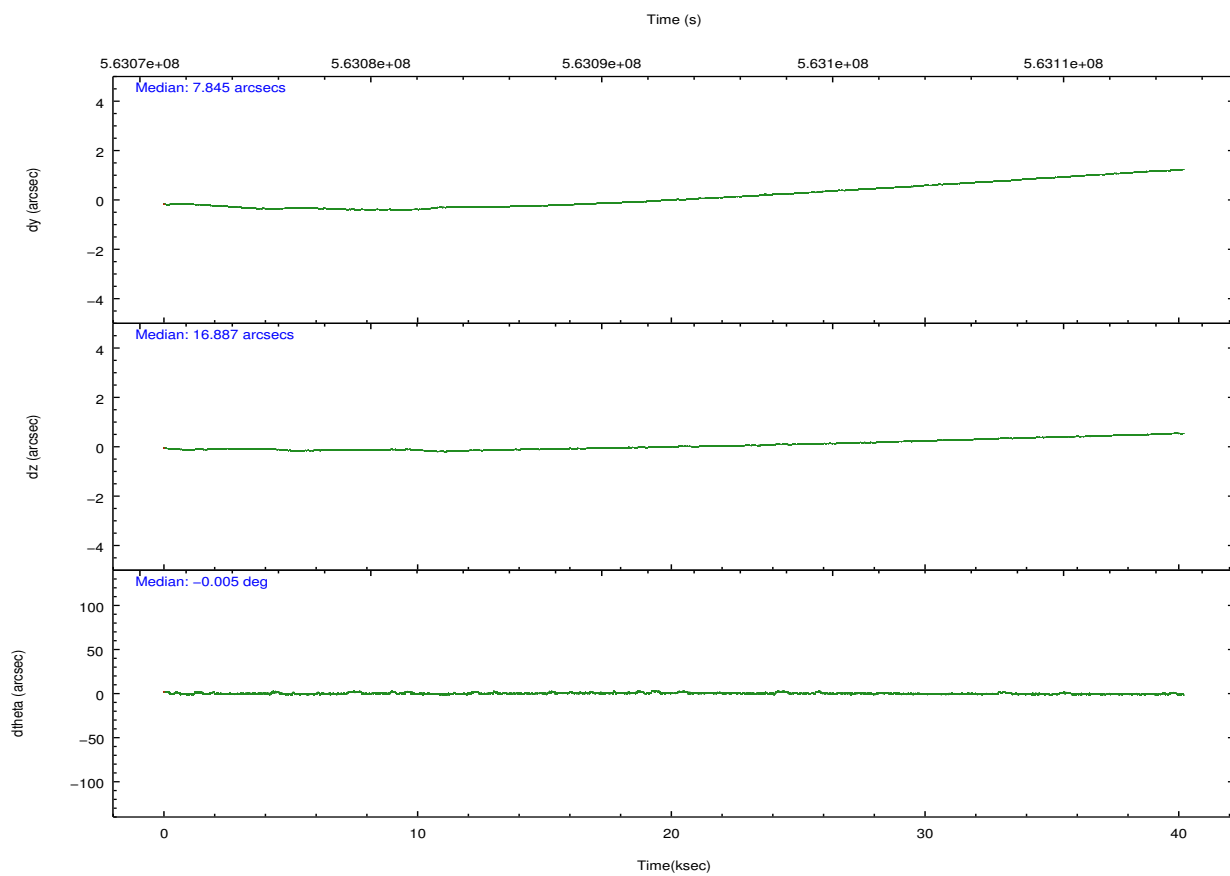
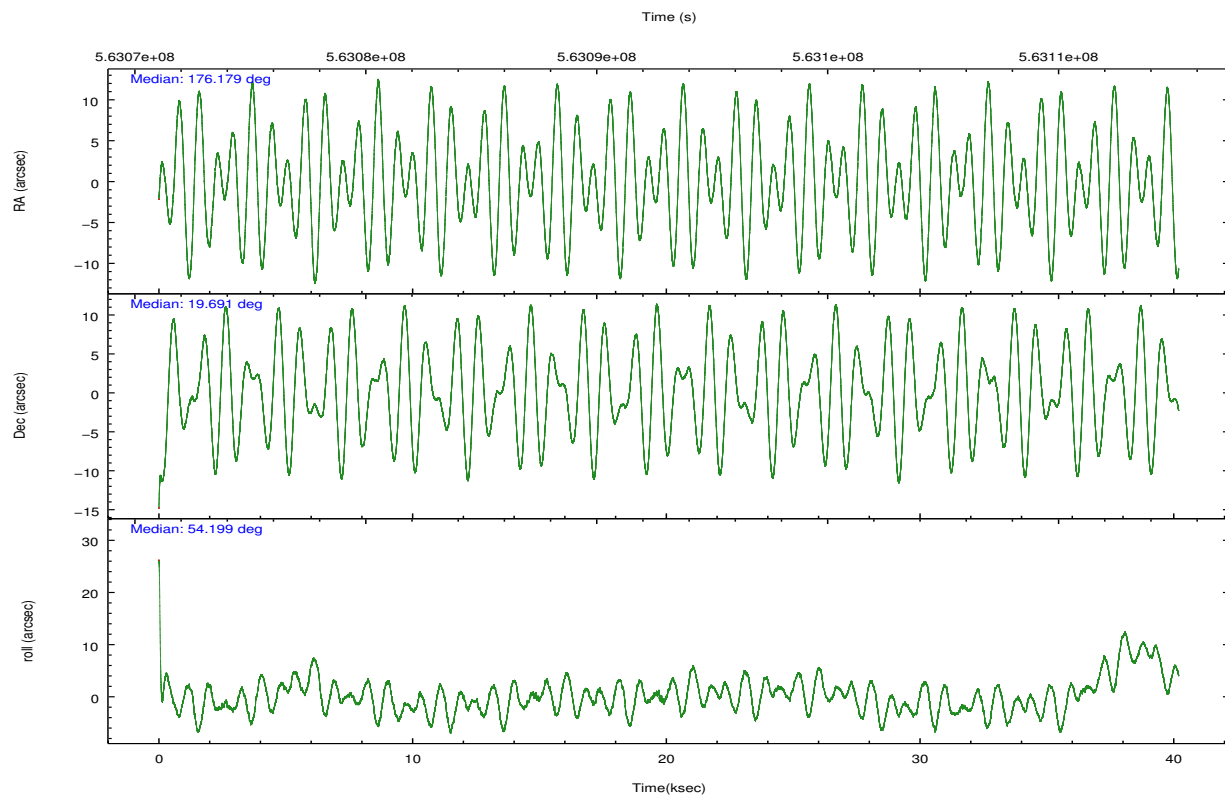
2.2 Compared Parameters

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	176.176483	176.1793292609435
[deg] Pointing Dec	19.663811	19.69126109744967
[deg] Pointing Roll	53.999533	54.20726908273583
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-241.592463	-241.5930143809957
[mm] SIM translation stage offset	8	8.000561378066038
[s] Observation start time (MET)	563073219.184000	563072270.3484499
Observation start date	2015-11-05T01:12:31	2015-11-05T00:57:50
[s] Observation end time (MET)	563113219.184000	563114268.1883301
Observation end date	2015-11-05T12:19:11	2015-11-05T12:37:48
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



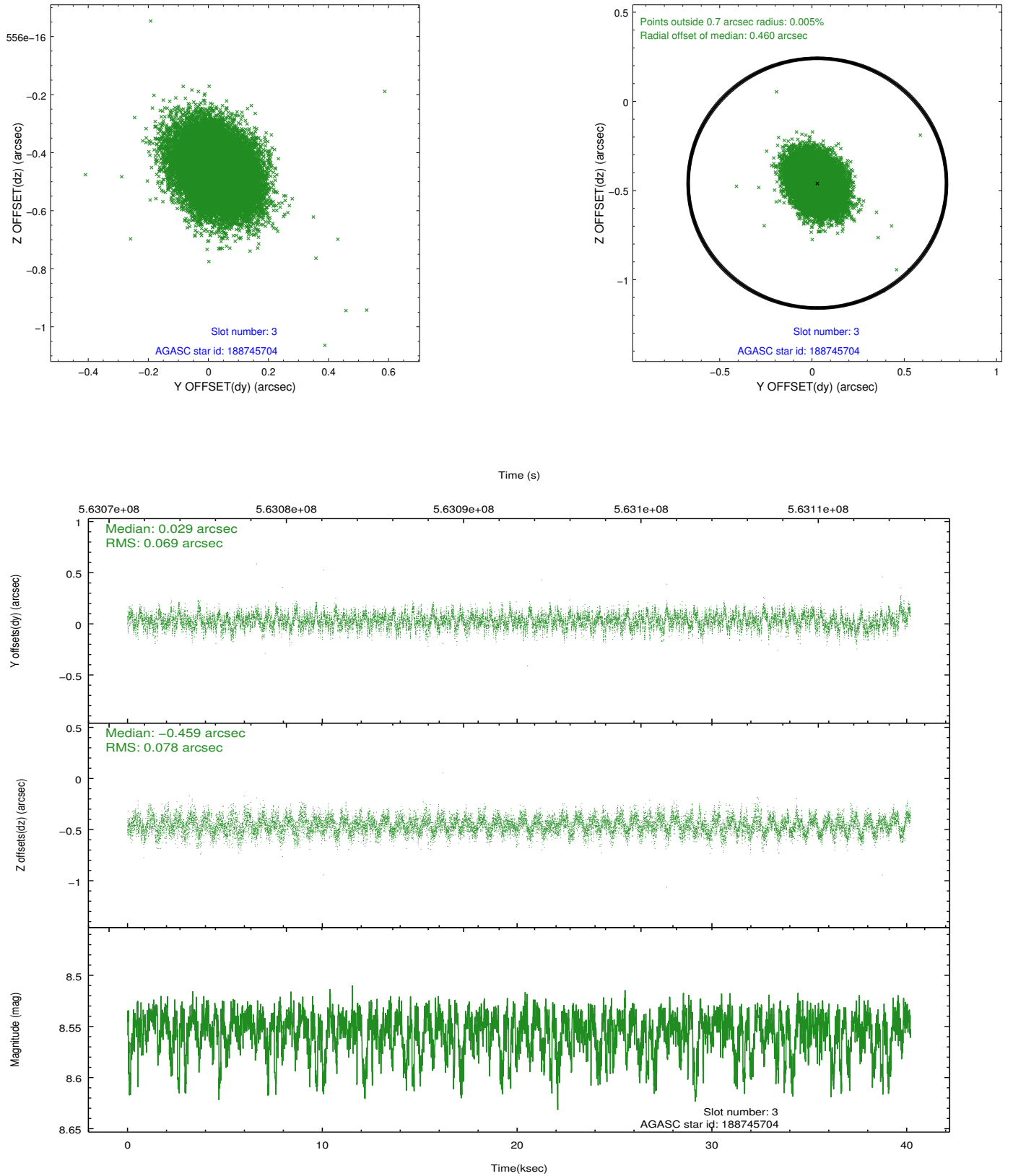


Slot Statistics

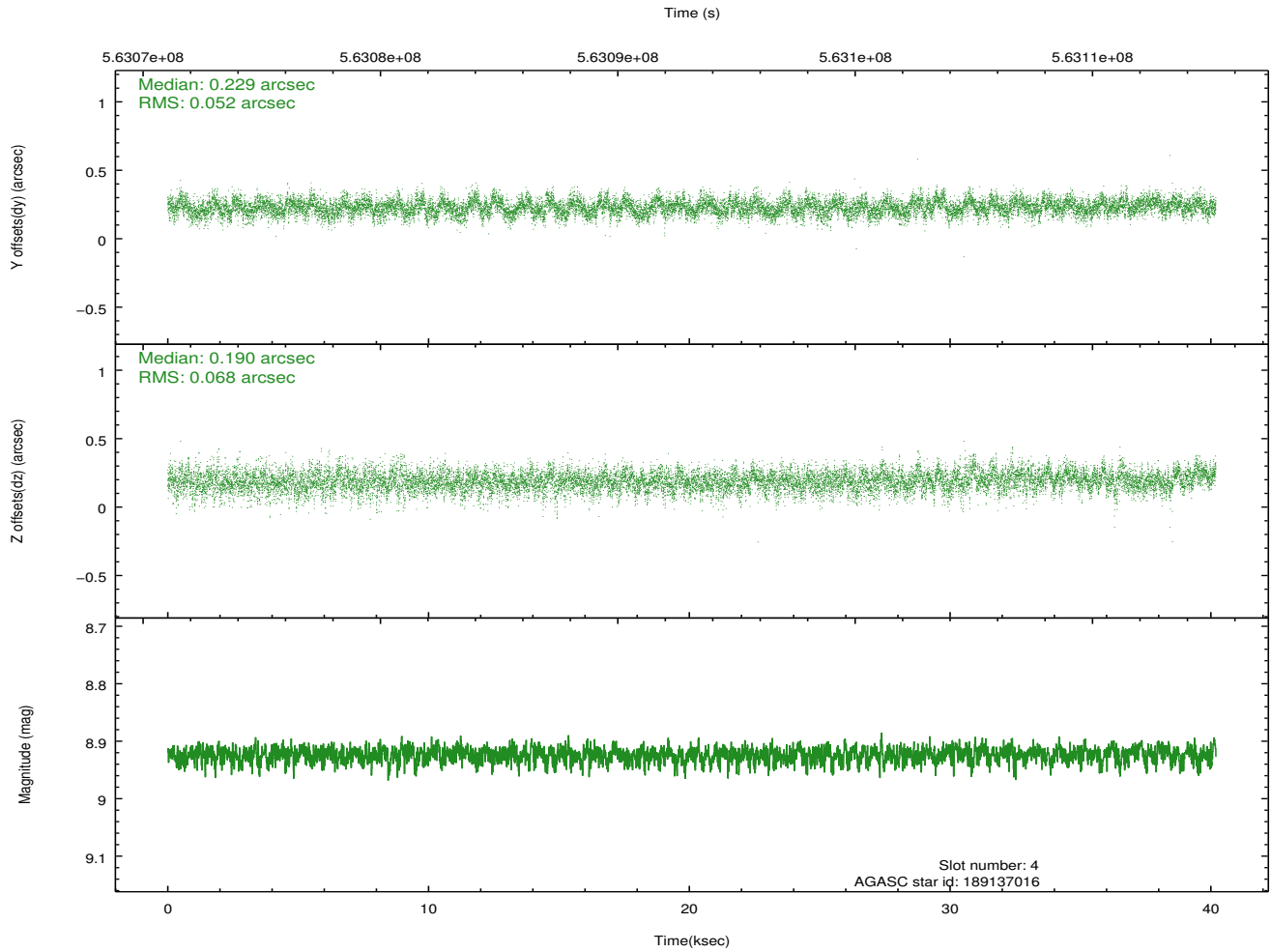
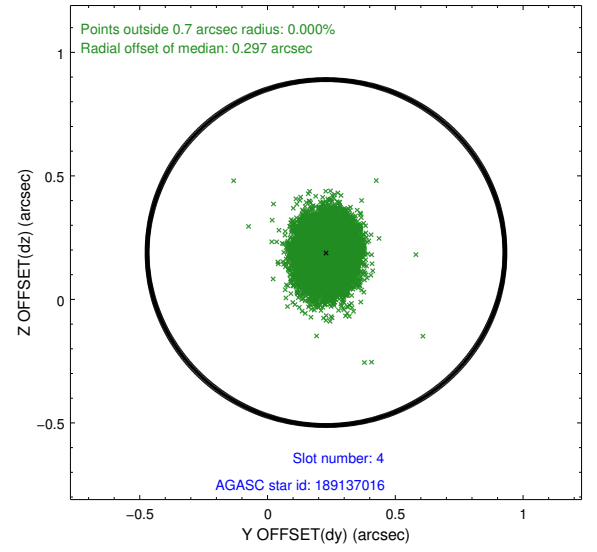
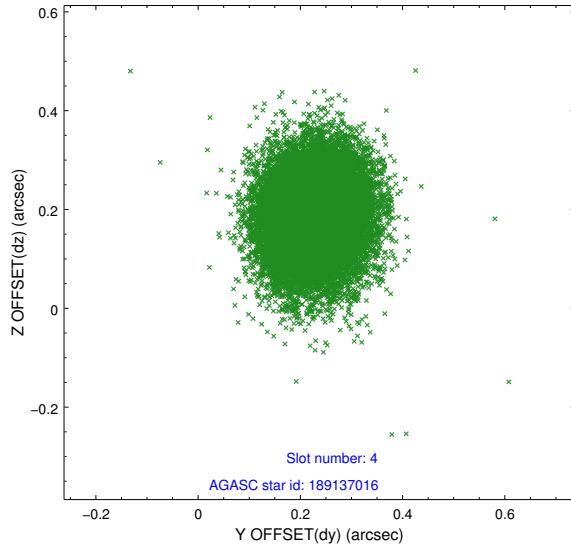
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.29	9802	0.029	-0.010	0.012	0.026	0.000000	0.000000	931.85	-676.13
1	FID		ACIS-I-5	7.25	9804	-0.154	0.048	0.010	0.019	0.000000	0.000000	-1816.54	1221.28
2	FID		ACIS-I-6	7.23	9803	0.034	0.032	0.010	0.029	0.000000	0.000000	397.25	1865.89
3	GUIDE	used	188745704	8.55	19602	0.029	-0.459	0.111	0.178	175.394573	19.530748	-1941.89	1867.77
4	GUIDE	used	189137016	8.92	19598	0.229	0.190	0.090	0.150	176.017714	19.173647	-1744.17	-599.80
5	GUIDE	used	189139352	8.75	19592	-0.118	0.586	0.122	0.204	176.255936	19.500124	-318.01	-563.46
6	GUIDE	used	189140584	7.39	19599	-0.157	-0.498	0.083	0.135	176.337611	19.889196	976.90	35.36
7	GUIDE	used	189152088	8.51	19593	0.021	0.185	0.102	0.173	176.796455	19.306289	200.51	-2457.25

2.4 Star Slots

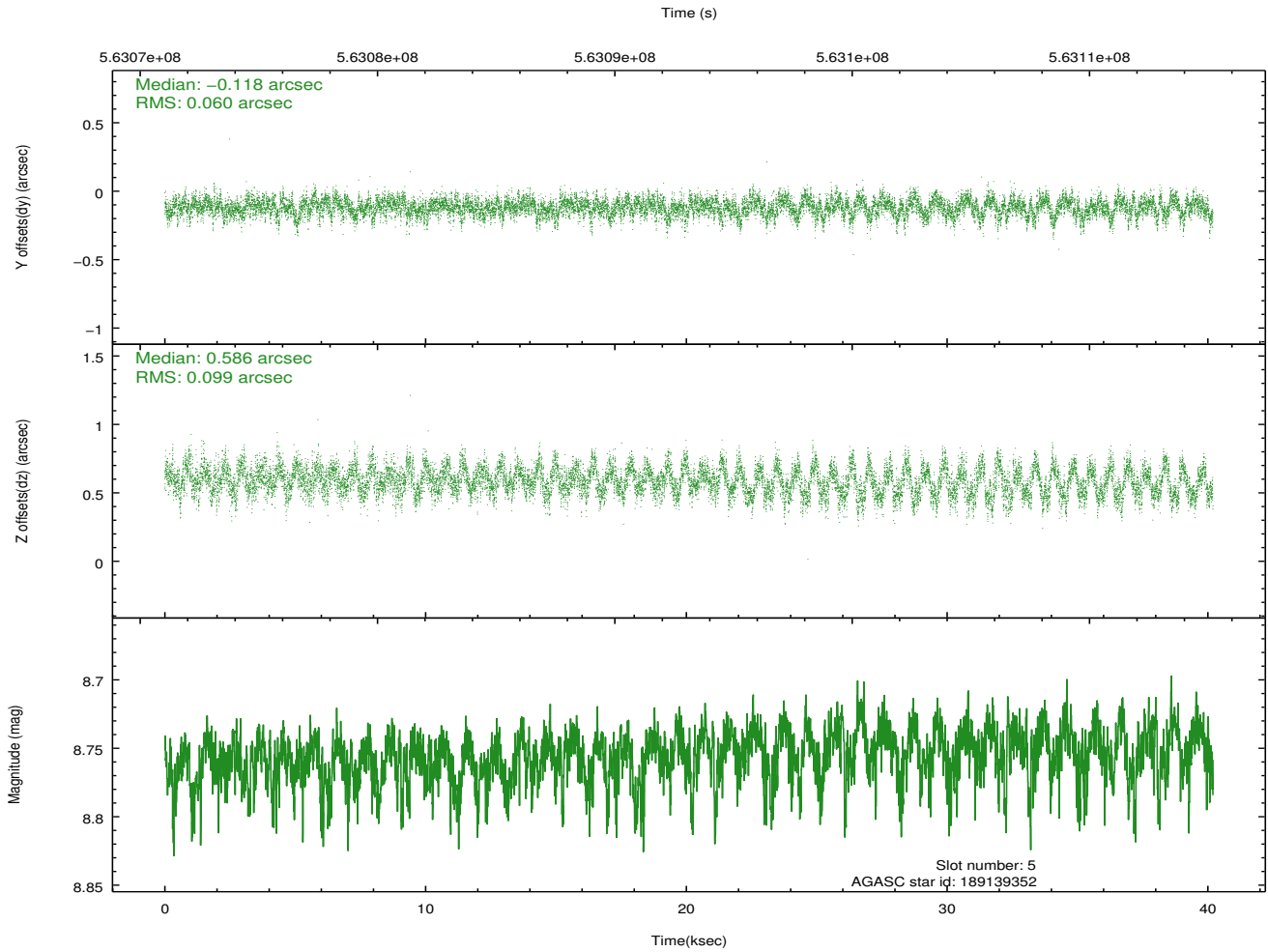
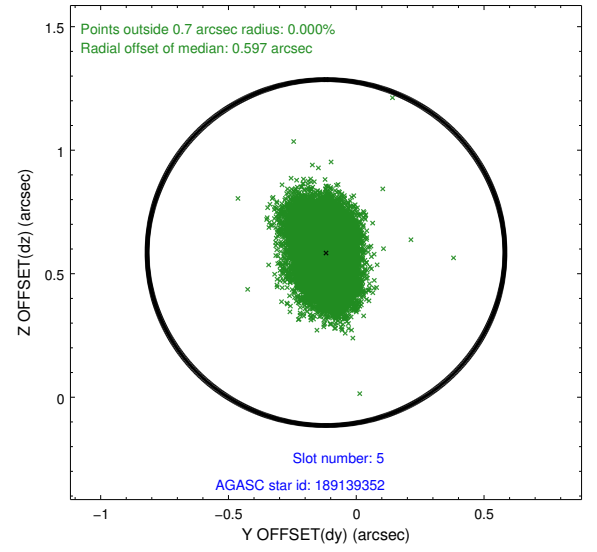
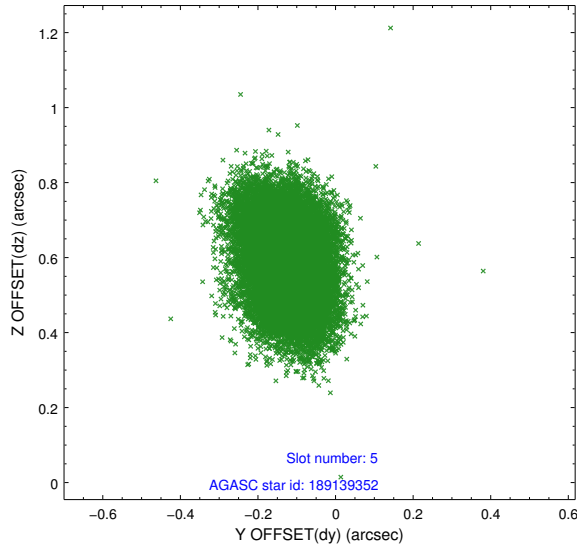
2.4.1 Slot 3



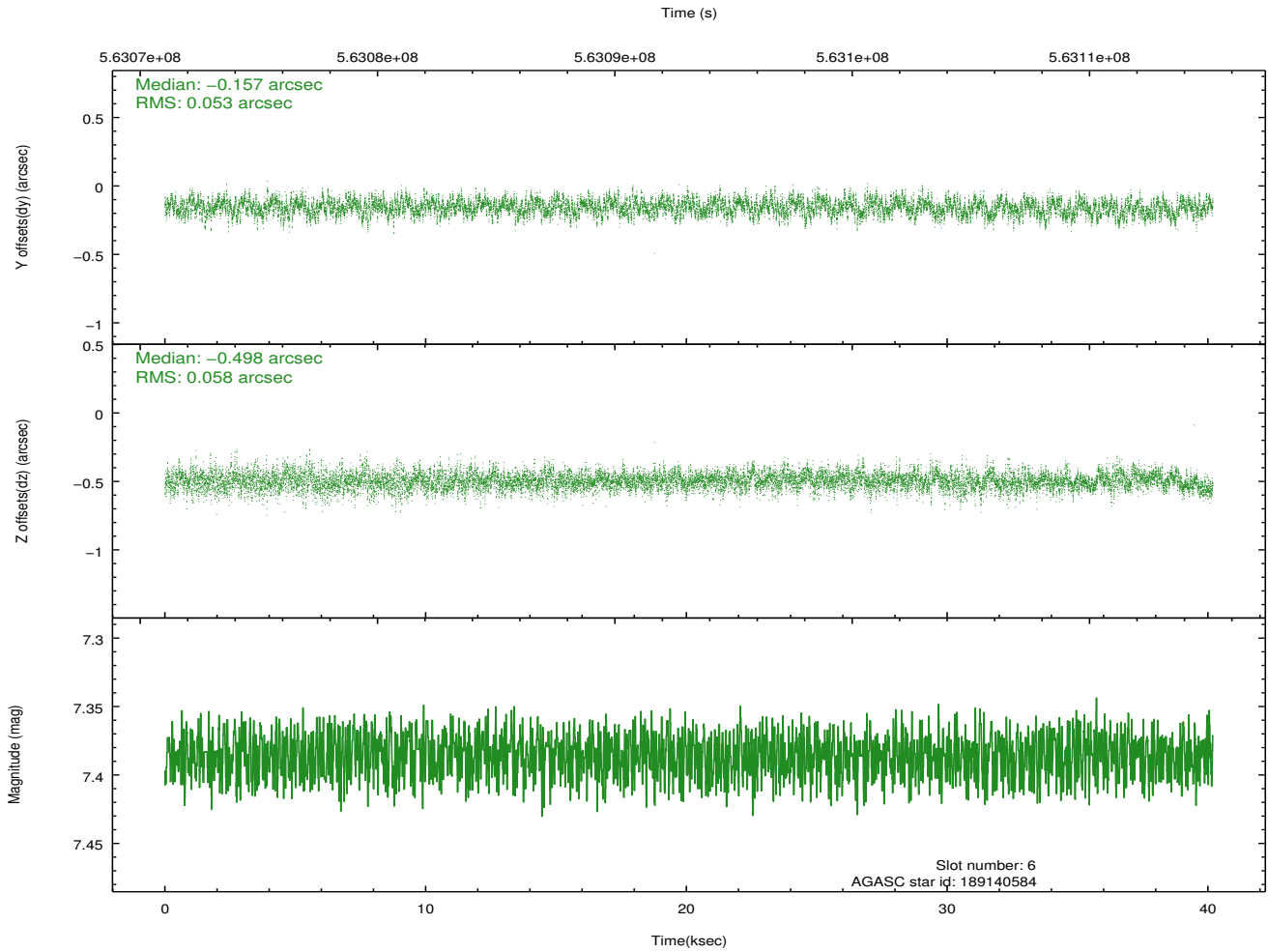
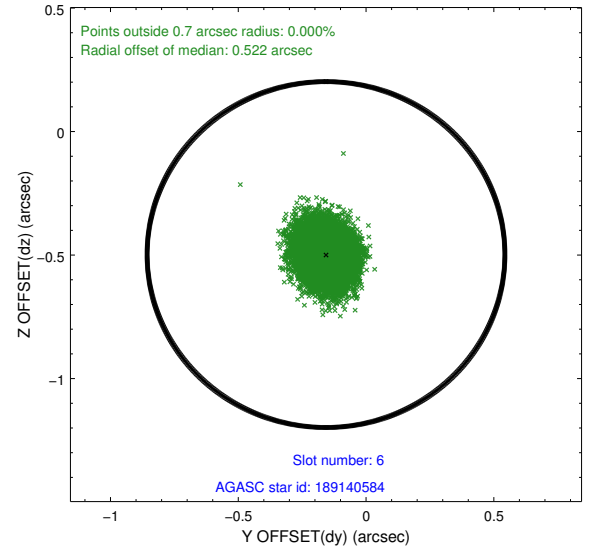
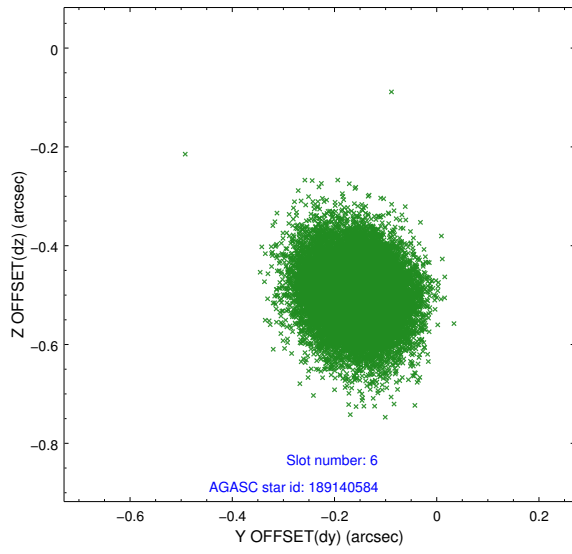
2.4.2 Slot 4



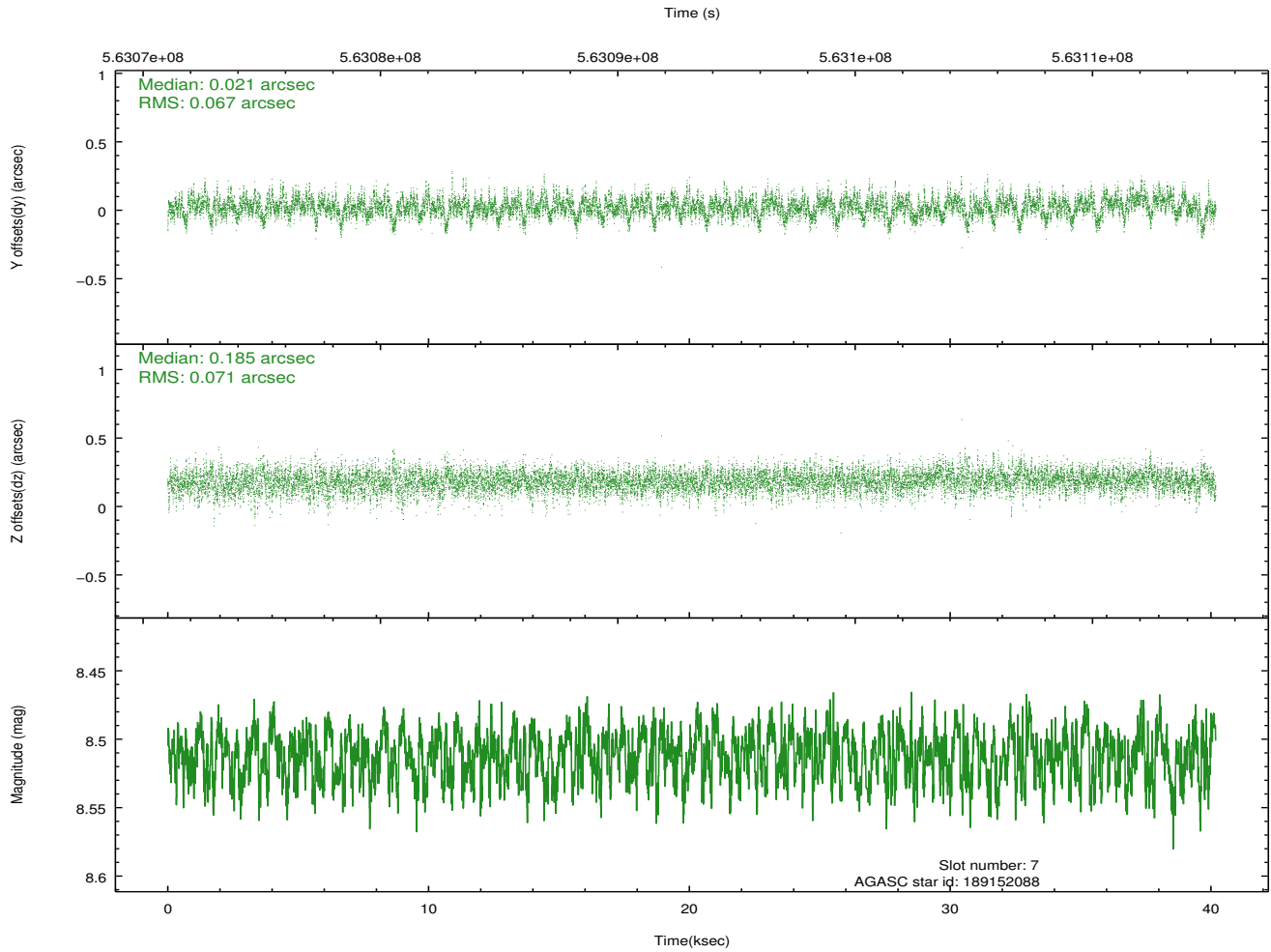
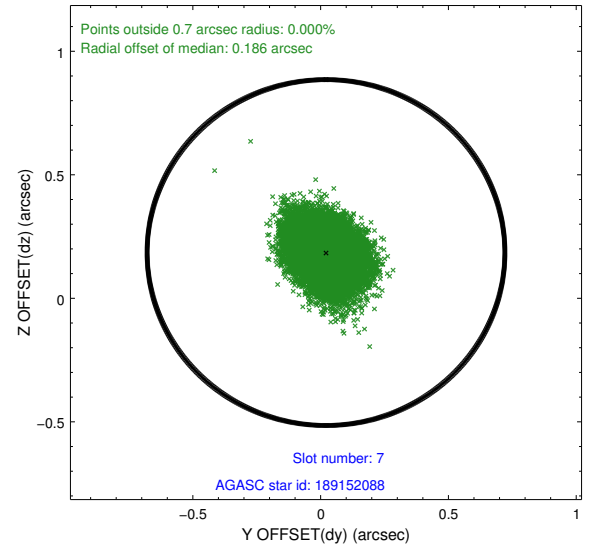
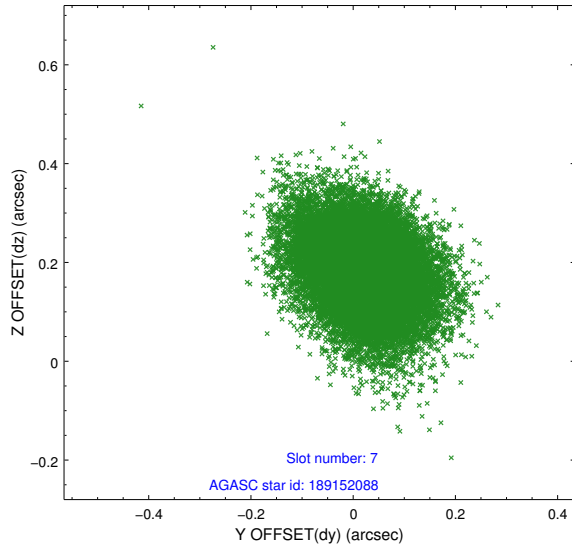
2.4.3 Slot 5



2.4.4 Slot 6

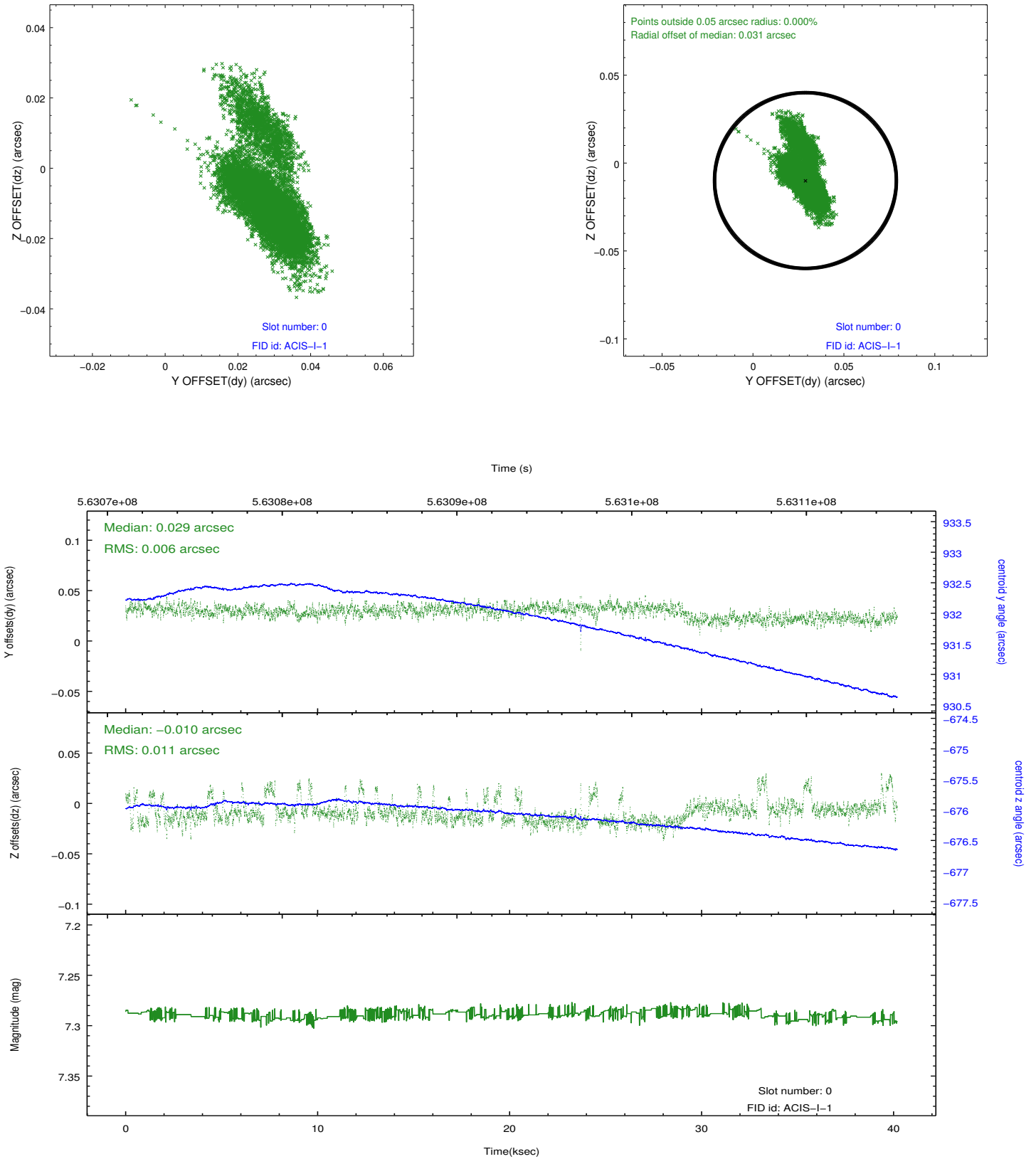


2.4.5 Slot 7

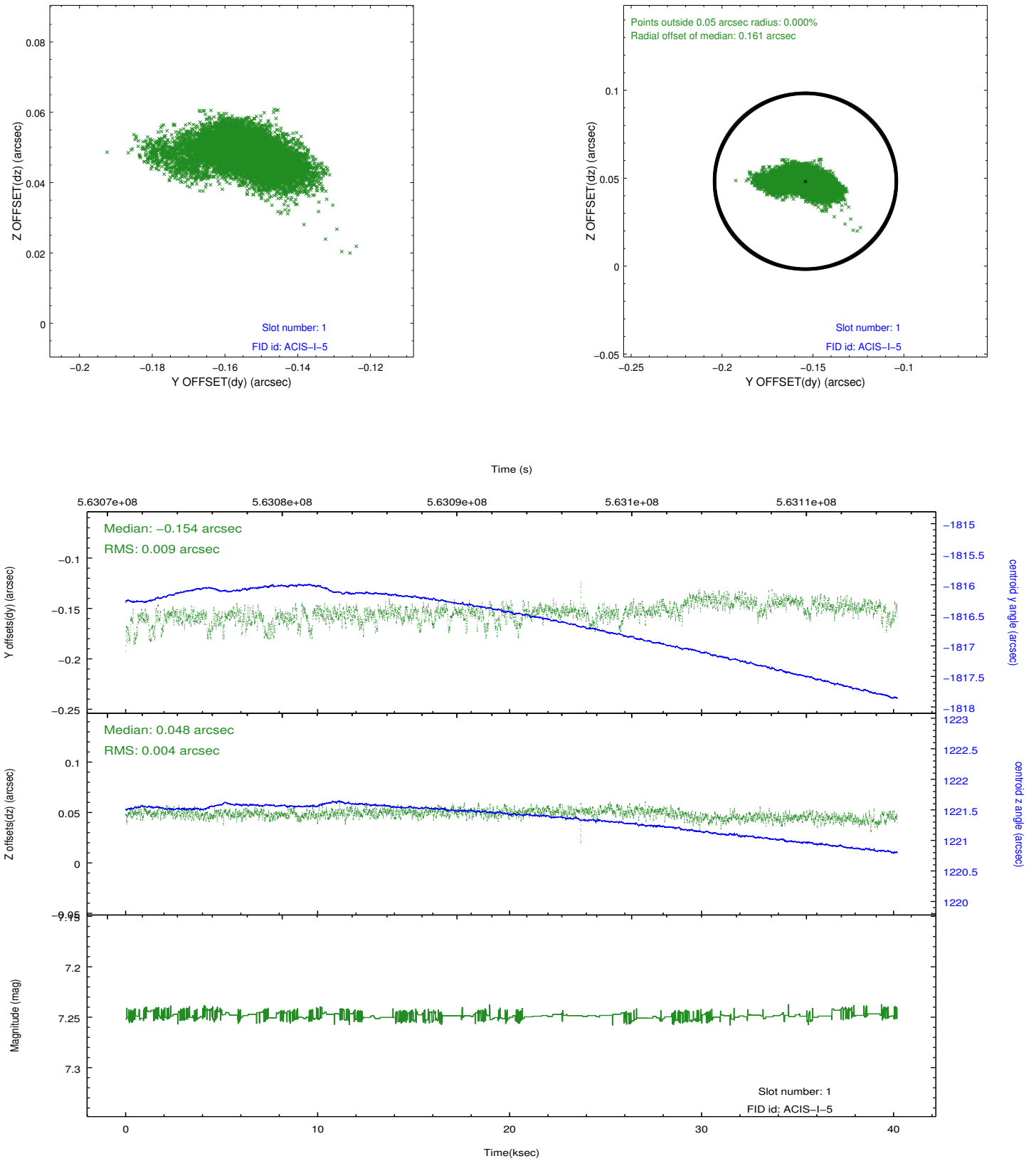


2.5 FID Slots

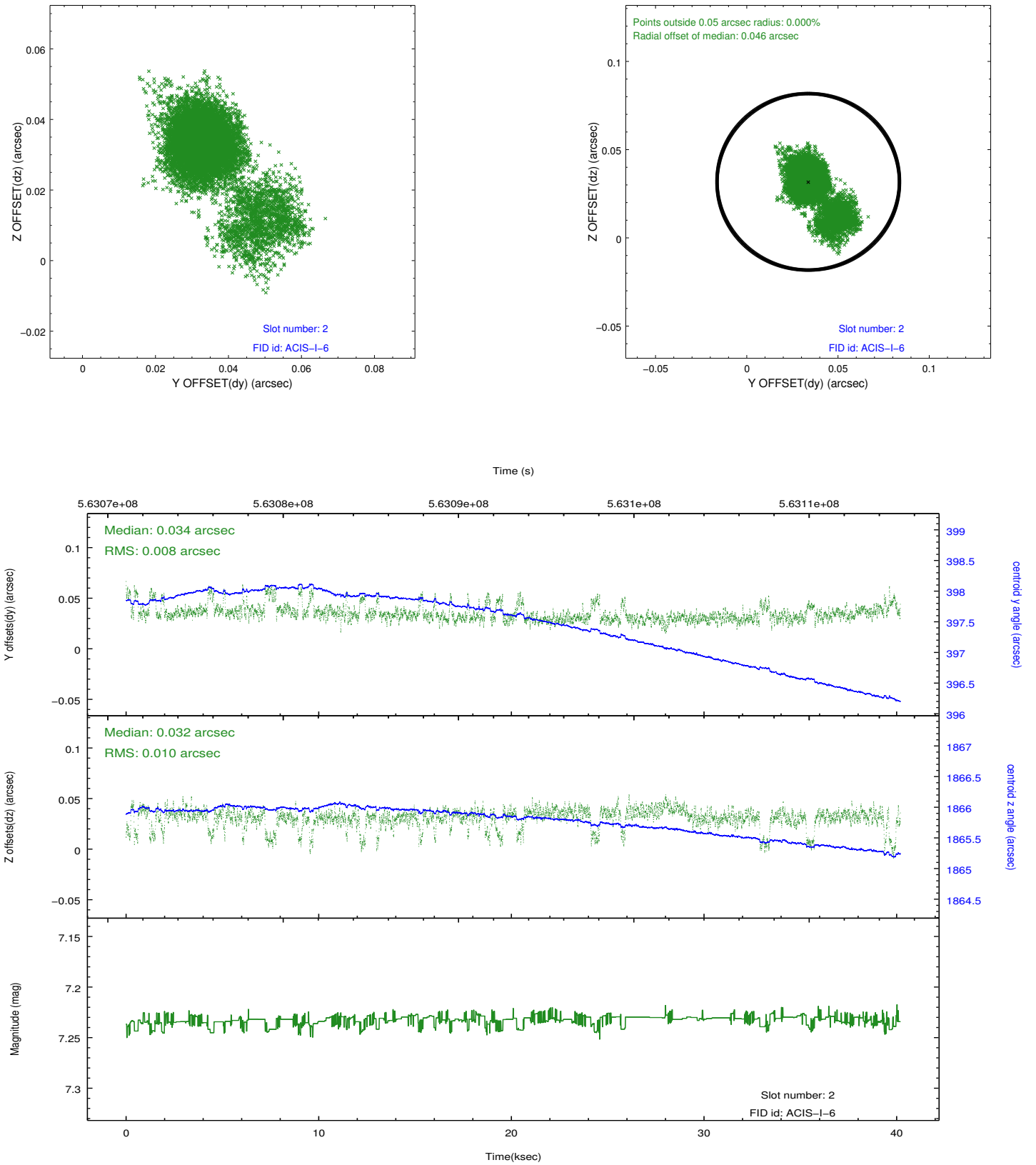
2.5.1 Slot 0



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)	2015.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.079900308371

A.2 Comments