

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17571 - L2 Version 1
Chandra X-Ray Center

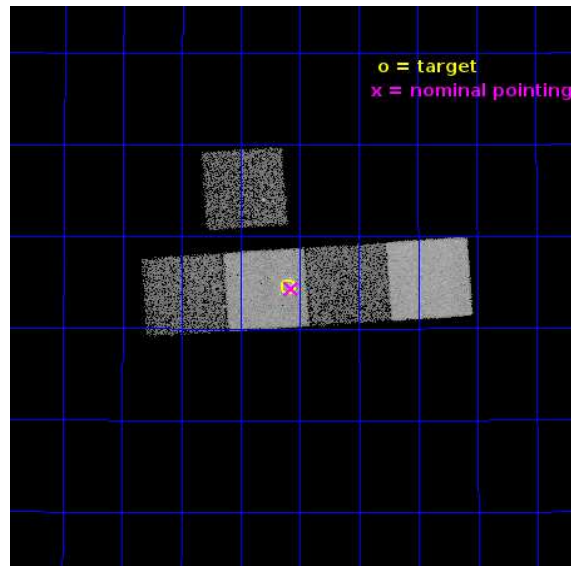
L2 Processing Date : Aug 28 2015

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

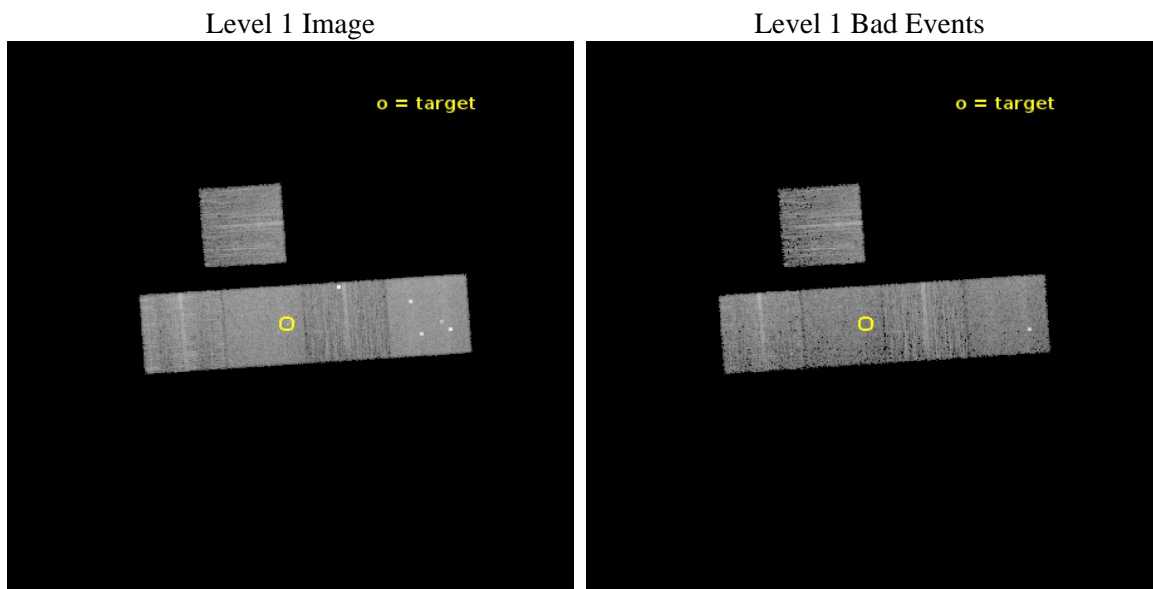
seq_num	502488	Sequence number
obs_id	17571	Observation id
title	The unprecedented metamorphosis of SN2014C	Proposal title
observer	Dr Raffaella Margutti	Principal investigator
object	SN2014C	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	339.273333	Observer's specified target RA [deg]
dec_targ	34.408861	Observer's specified target Dec [deg]
ra_nom	339.26797928429	Nominal RA [deg]
dec_nom	34.405725947068	Nominal Dec [deg]
roll_nom	176.07180689595	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10056.279374003	Sum of GTIs [s]
livetime	9924.8866806569	Livetime [s]
ontime3	10056.156254053	Sum of GTIs [s]
ontime5	10056.23833406	Sum of GTIs [s]
ontime6	10056.197293997	Sum of GTIs [s]
ontime7	10056.279374003	Sum of GTIs [s]
ontime8	10052.974153757	Sum of GTIs [s]
l2events	85450	Number of level 2 events



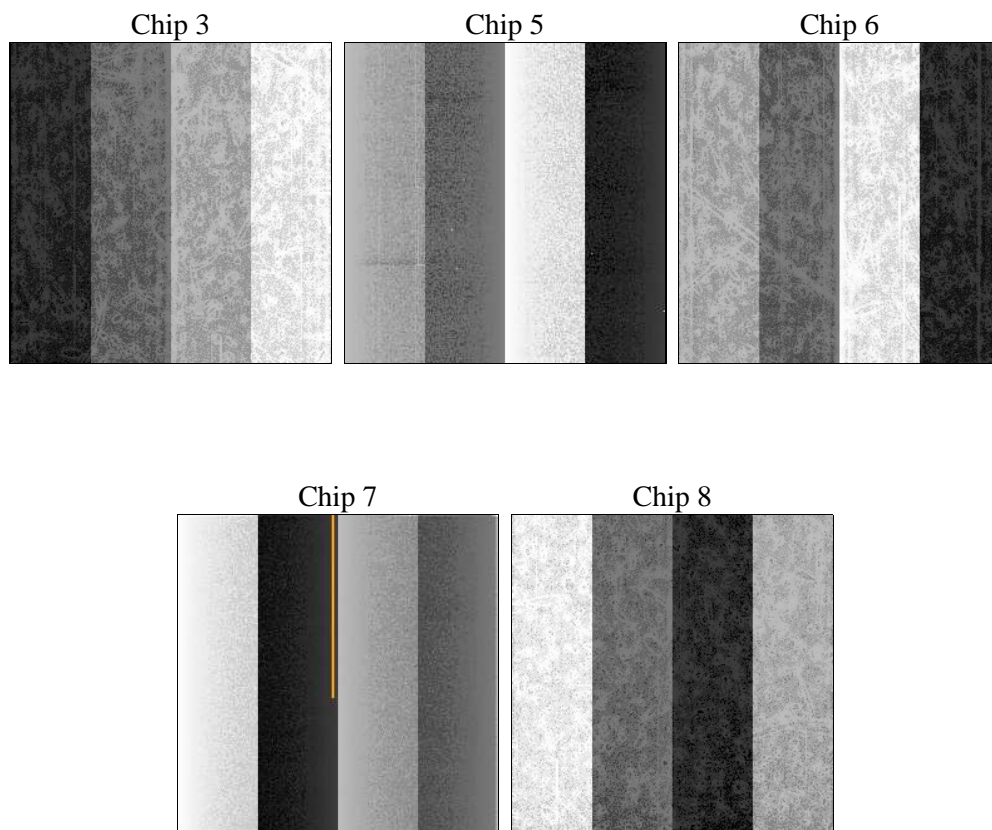
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	10056.279374003	Sum of GTIs [s]
caldbver	4.6.8	 	ontime3	10056.156254053	Sum of GTIs [s]
date	2015-08-28T22:15:52	Date and time of file creation	ontime5	10056.23833406	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	10056.197293997	Sum of GTIs [s]
			ontime7	10056.279374003	Sum of GTIs [s]
			ontime8	10052.974153757	Sum of GTIs [s]
			l1events	346094	Number of level 1 events

2.1.4 Events

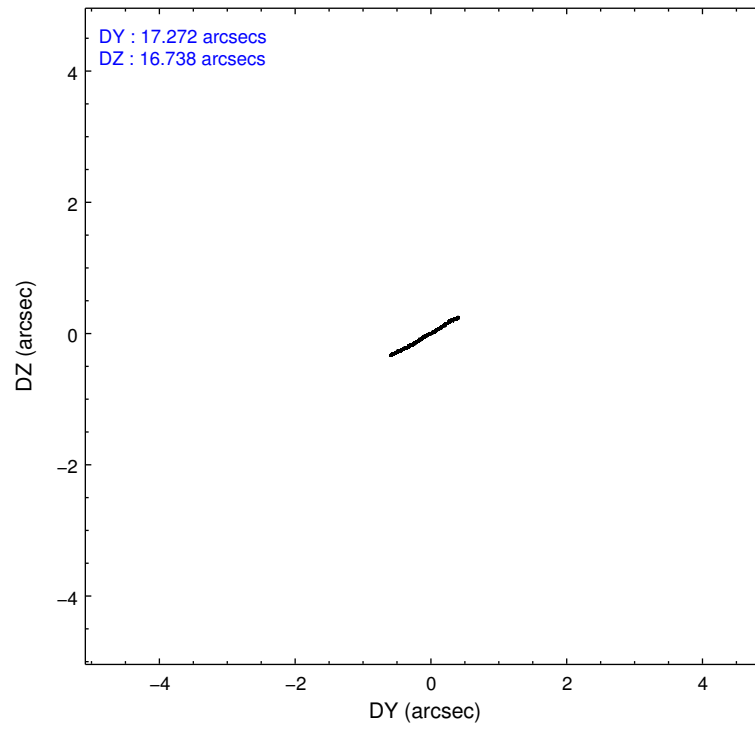
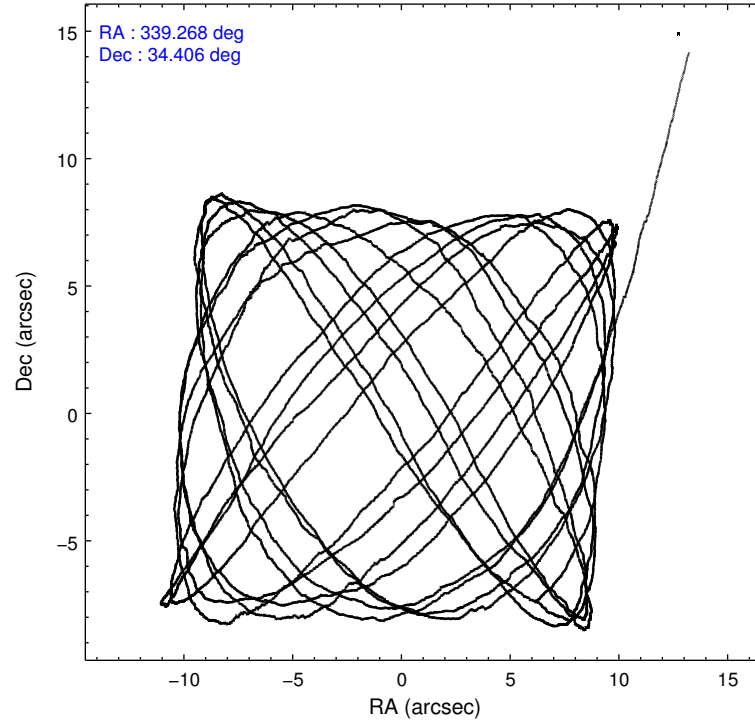
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	51142	92214	60476	72406	69856
rejected events	45604	46267	47940	41281	51598
rejected %	89%	50%	79%	57%	73%

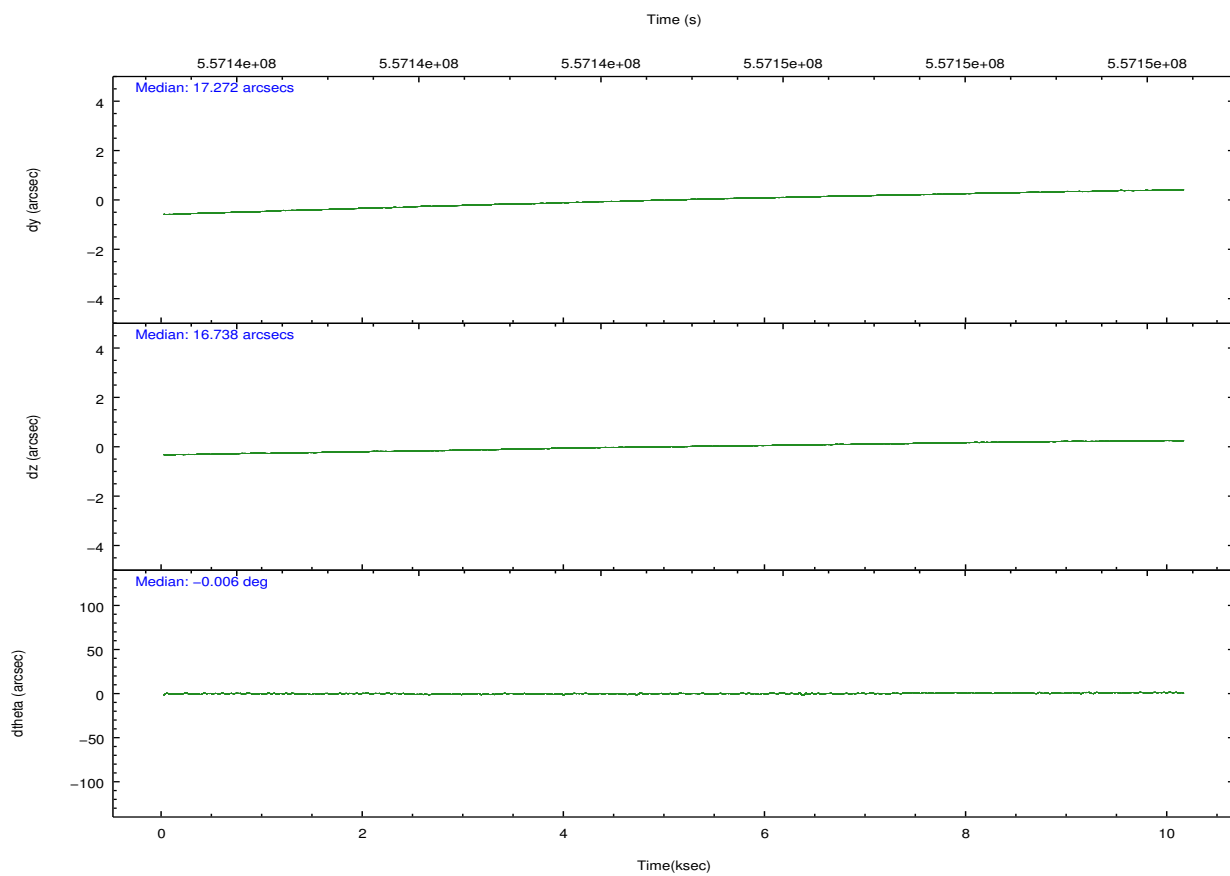
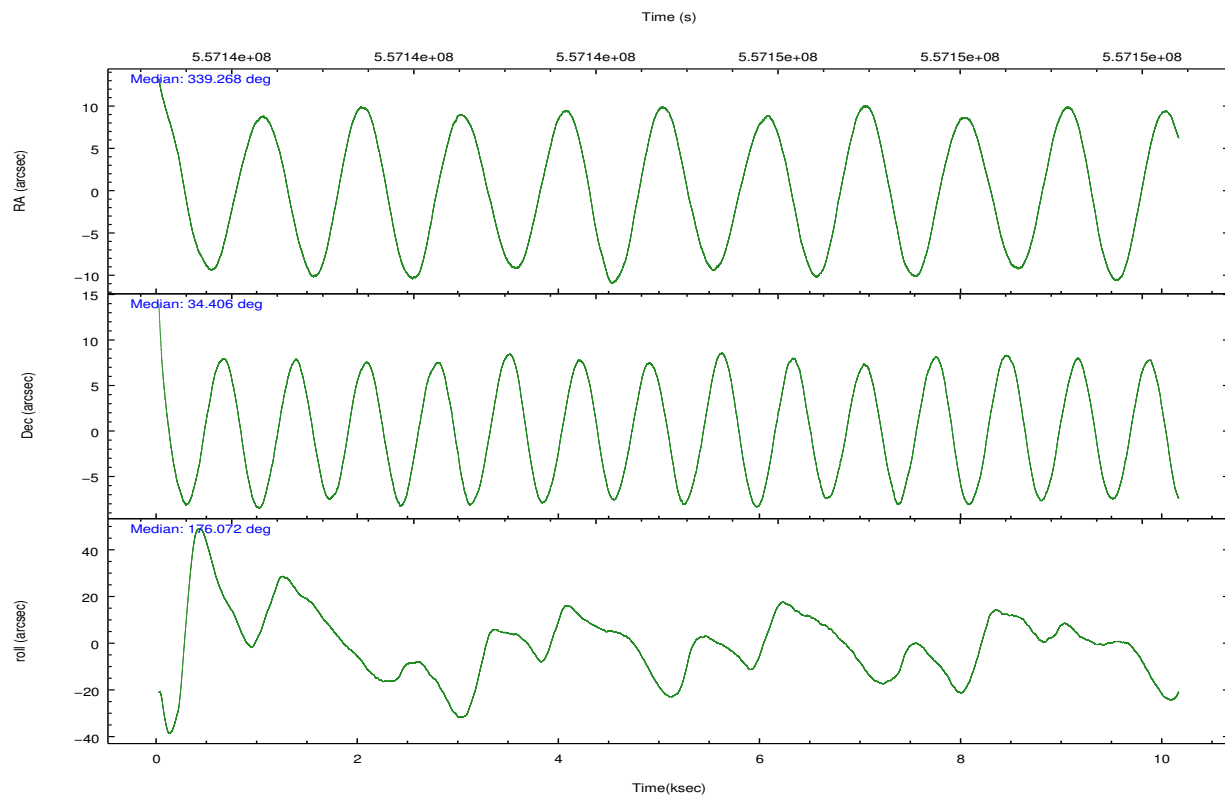
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2040	7571	5222	2793	4730
	3%	8%	8%	3%	6%
grade 1 events	29	479	25	87	49
	0%	0%	0%	0%	0%
grade 2 events	1134	13477	4592	6461	4339
	2%	14%	7%	8%	6%
grade 3 events	573	1206	612	2514	2000
	1%	1%	1%	3%	2%
grade 4 events	607	1131	581	2449	1947
	1%	1%	0%	3%	2%
grade 5 events	2632	6112	2691	6913	3844
	5%	6%	4%	9%	5%
grade 6 events	1185	22579	1531	16917	5247
	2%	24%	2%	23%	7%
grade 7 events	42942	39659	45222	34272	47700
	83%	43%	74%	47%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	339.297634	339.2679792842893	CCD I2 on	N	N
[deg] Pointing Dec	34.418121	34.40572594706842	CCD I3 on	O1	Y
[deg] Pointing Roll	175.898387	176.0718068959543	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.145094680475	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01257209746719923	CCD S4 on	Y	Y
[s] Observation start time (MET)	557139881.184000	557138714.37409	CCD S5 on	N	N
Observation start date	2015-08-28T09:03:33	2015-08-28T08:45:14	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	557149881.184000	557150830.89977	On-chip summing requested	N	N
Observation end date	2015-08-28T11:50:13	2015-08-28T12:07:10	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



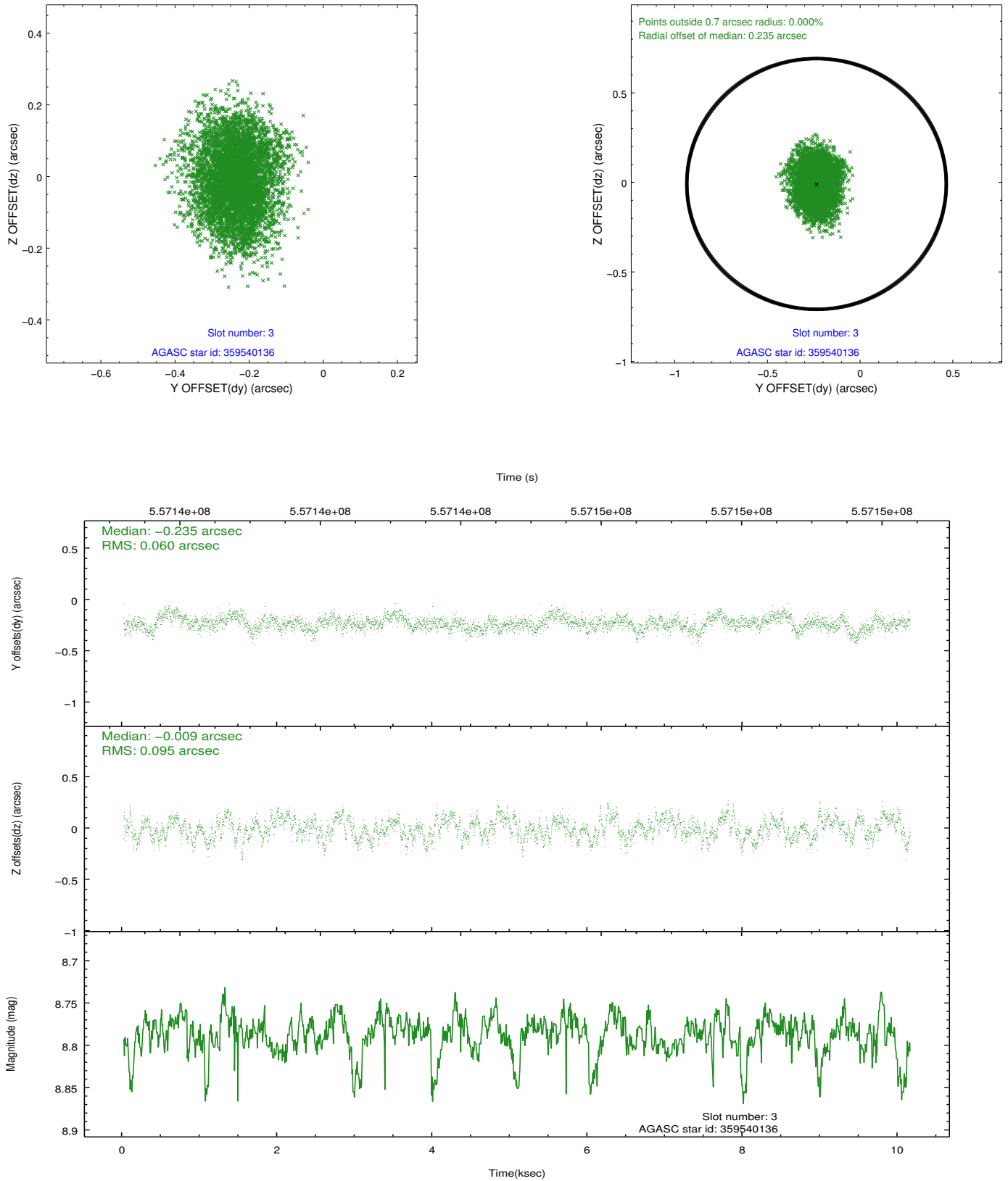


Slot Statistics

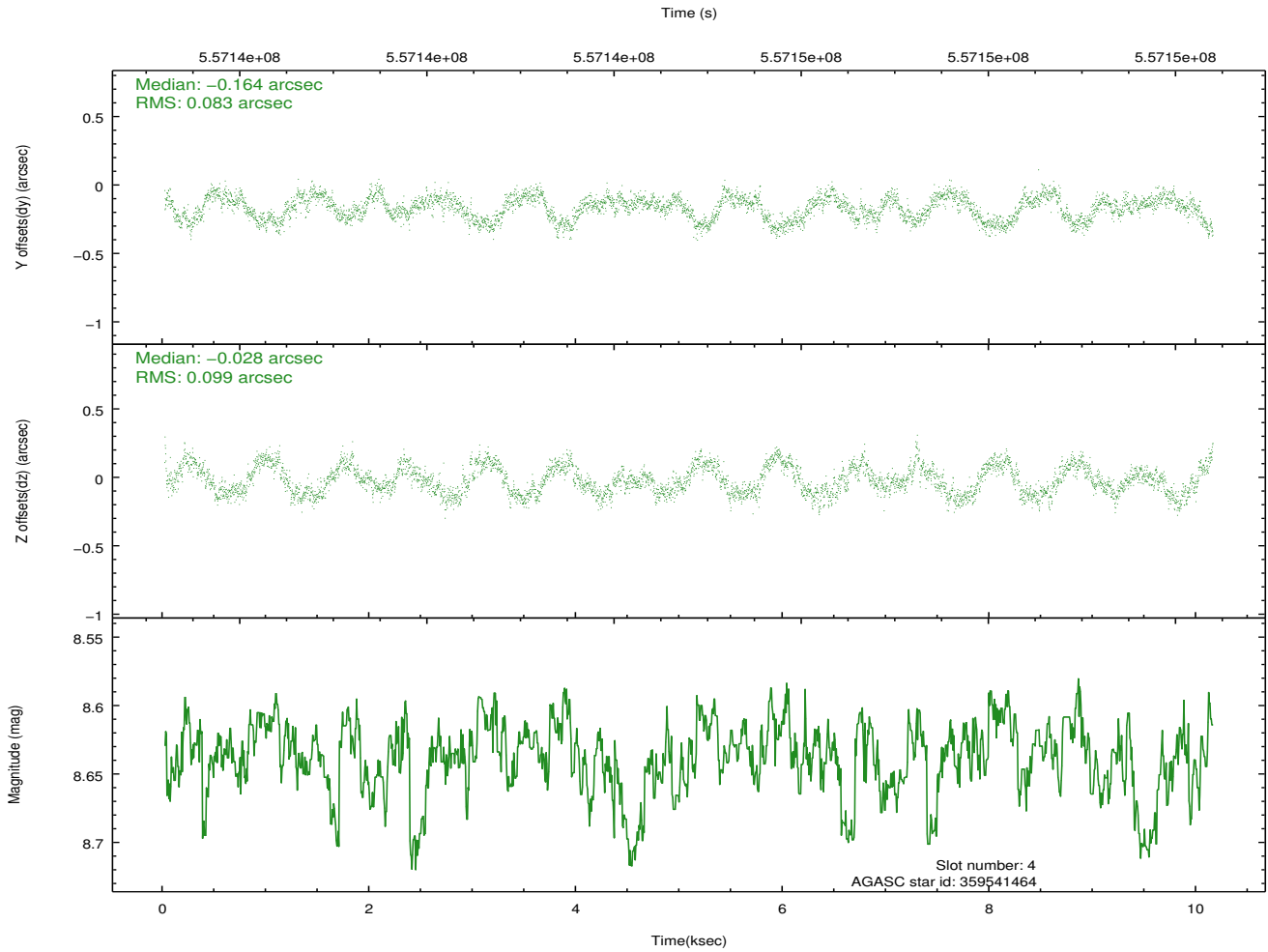
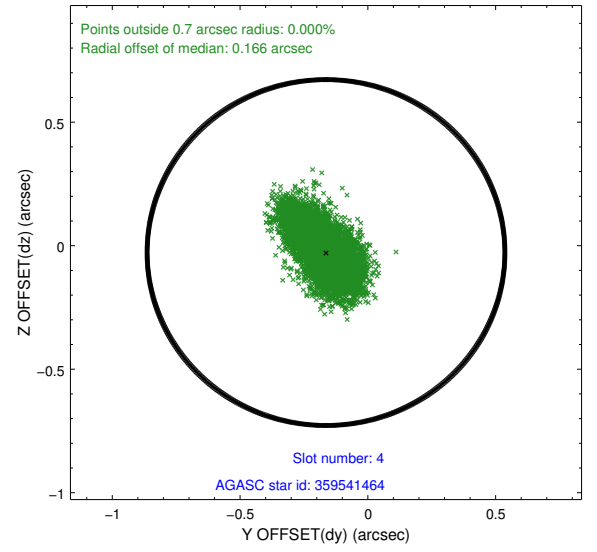
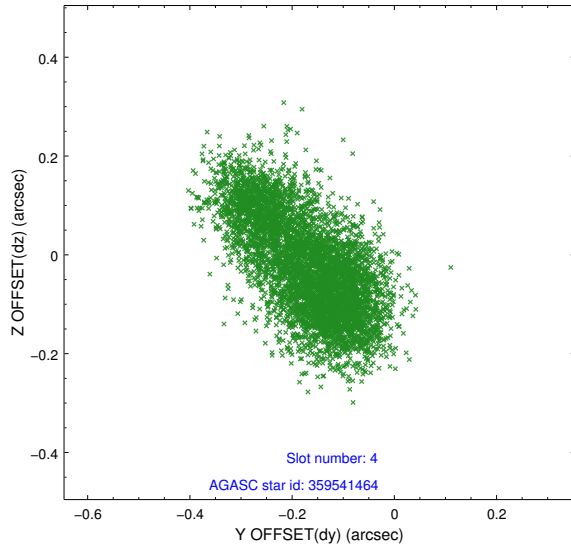
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.22	2474	0.080	-0.083	0.017	0.024	0.000000	0.000000	925.87	-1733.75
1	FID		ACIS-S-4	7.22	2474	0.206	0.023	0.014	0.021	0.000000	0.000000	2143.65	170.00
2	FID		ACIS-S-5	7.24	2474	-0.311	0.073	0.020	0.029	0.000000	0.000000	-1822.76	164.16
3	GUIDE	used	359540136	8.79	4945	-0.235	-0.009	0.121	0.191	339.014971	34.618247	887.52	-659.40
4	GUIDE	used	359541464	8.64	4945	-0.164	-0.028	0.140	0.219	339.073218	34.654496	724.41	-801.93
5	GUIDE	used	359547944	9.34	4945	-0.011	-0.102	0.124	0.220	338.858049	34.436167	1307.44	25.66
6	GUIDE	used	359668200	9.41	4940	0.209	0.031	0.130	0.209	339.828324	34.777783	-1471.25	-1407.58
7	GUIDE	used	359673200	9.63	4864	0.202	0.094	0.168	0.266	339.787045	34.849352	-1331.01	-1655.20

2.4 Star Slots

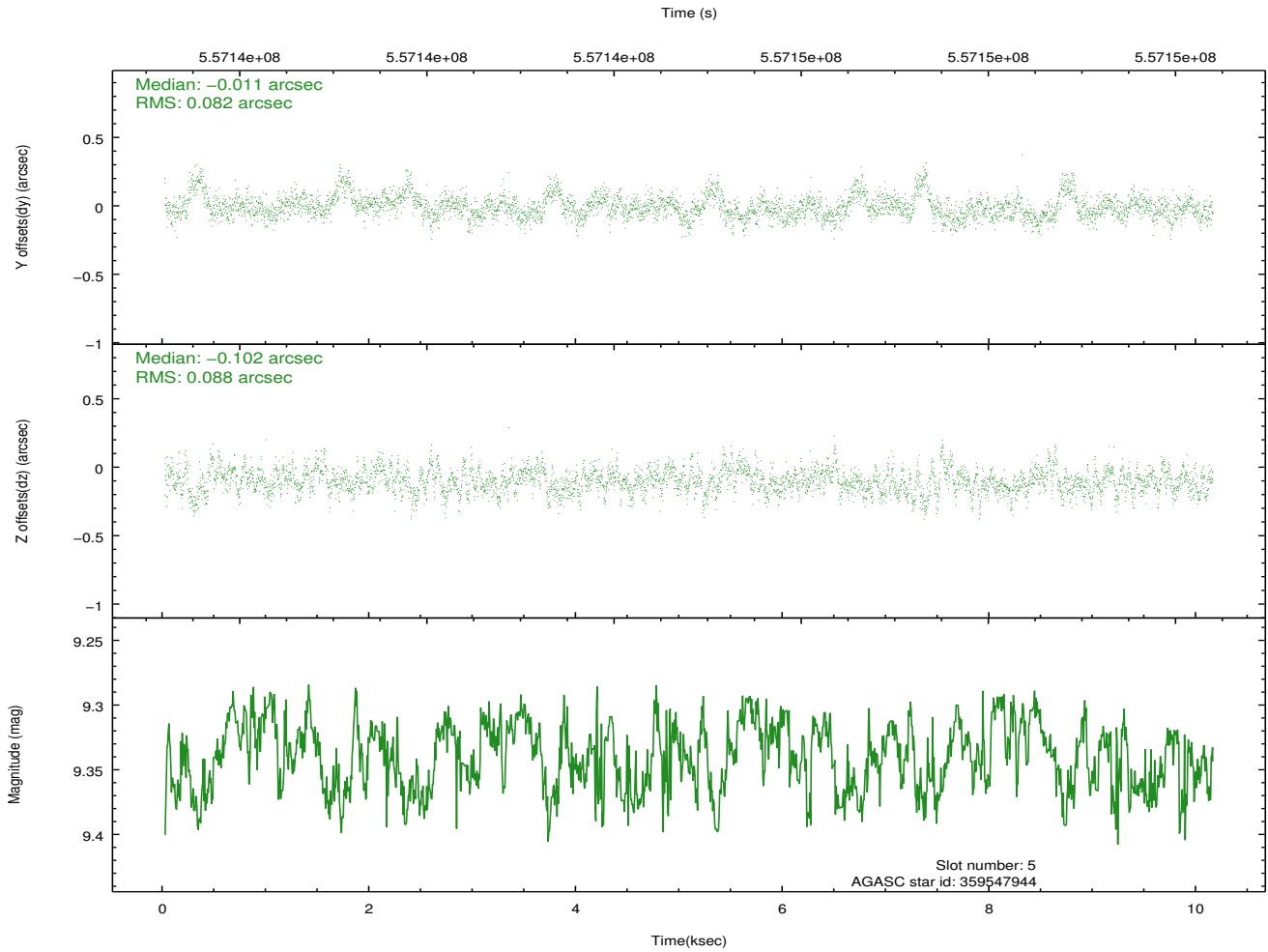
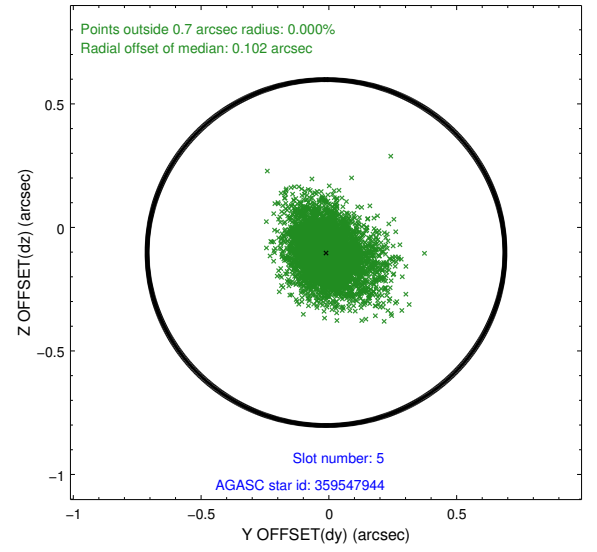
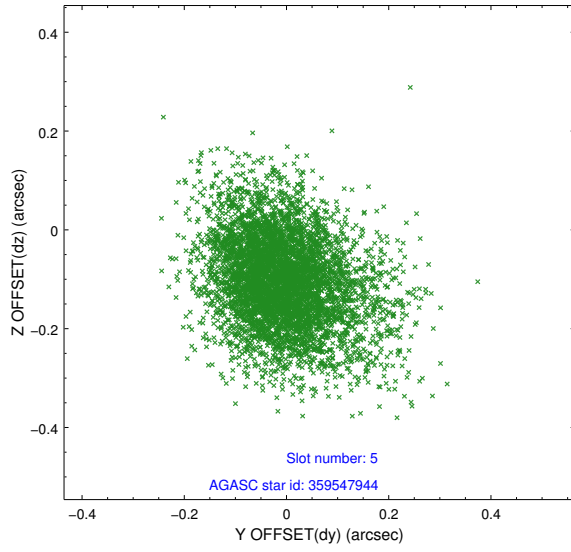
2.4.1 Slot 3



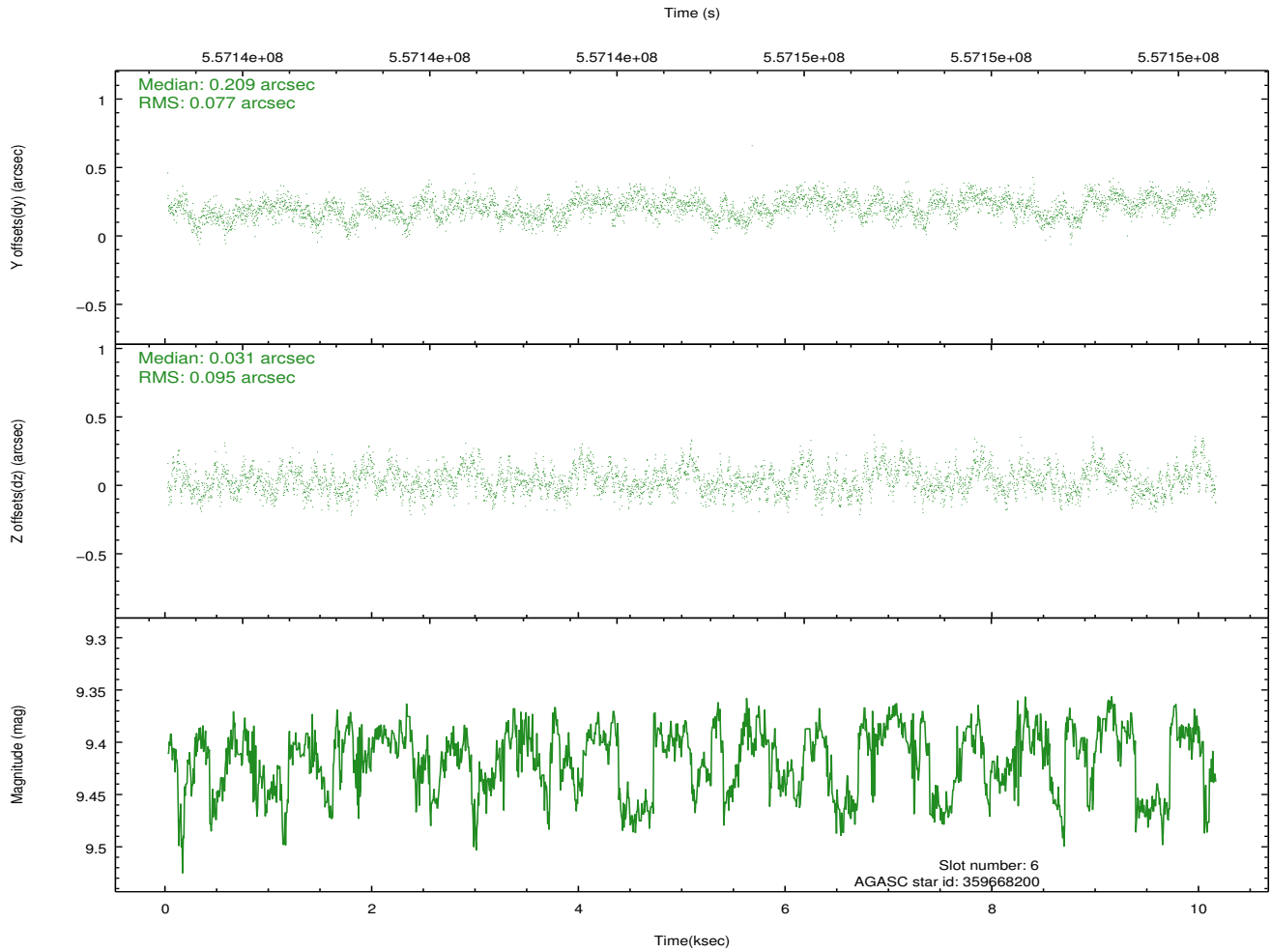
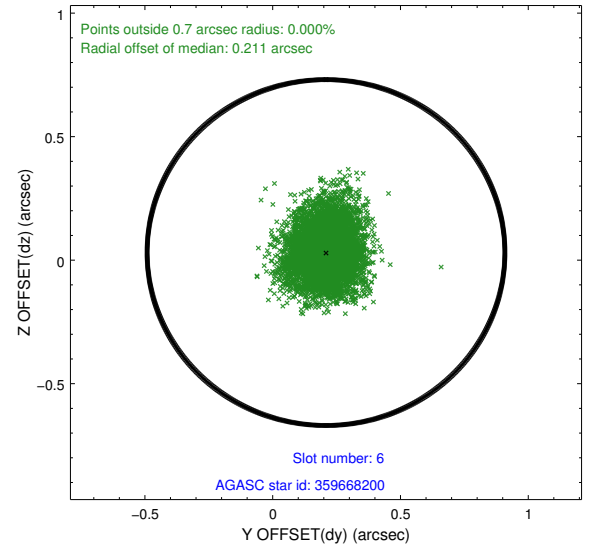
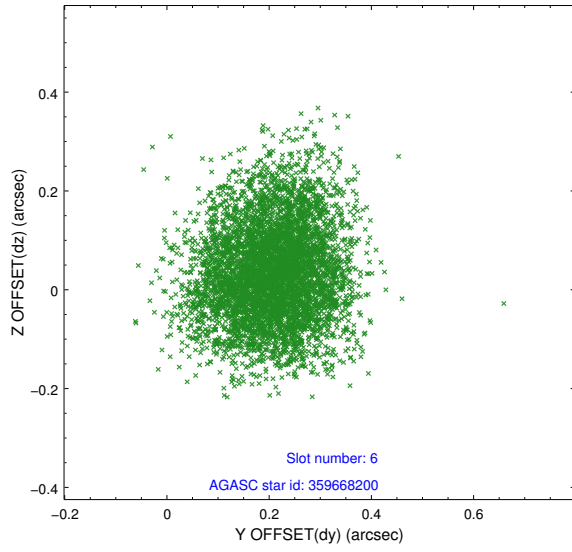
2.4.2 Slot 4



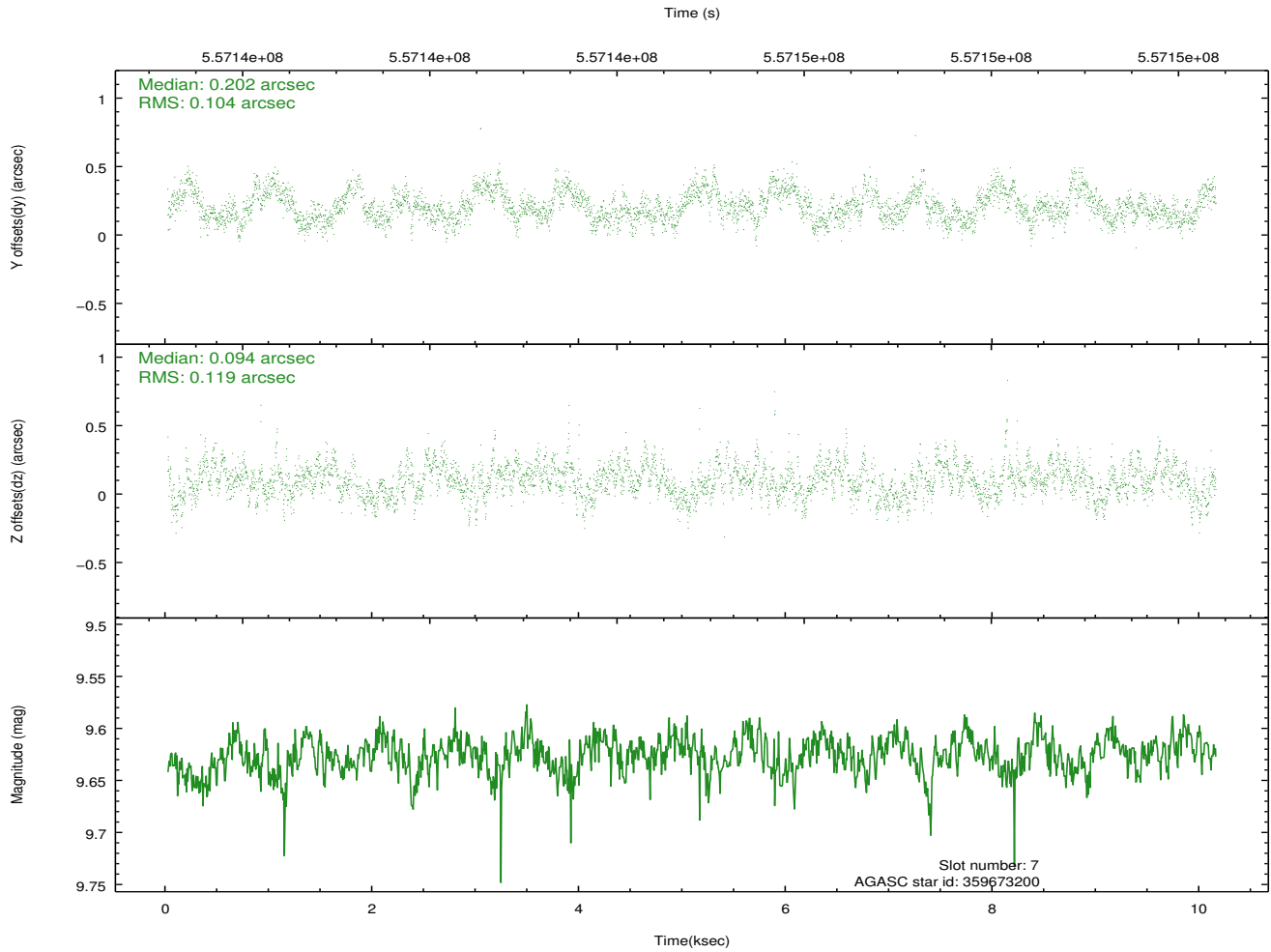
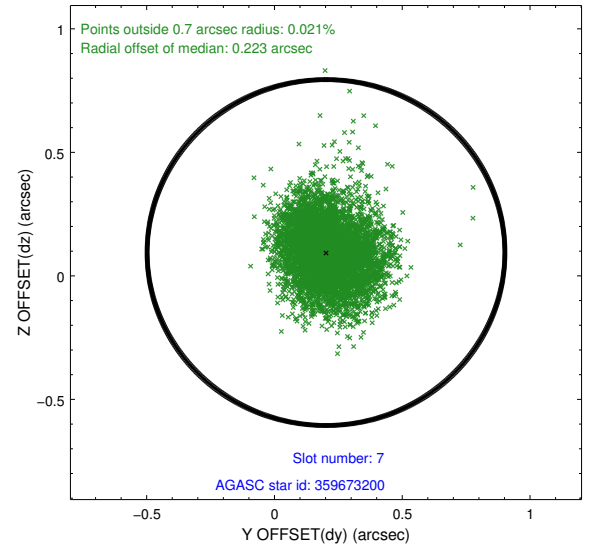
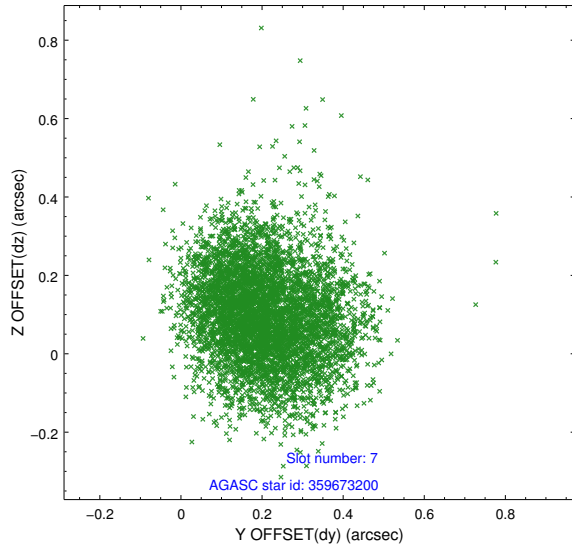
2.4.3 Slot 5



2.4.4 Slot 6

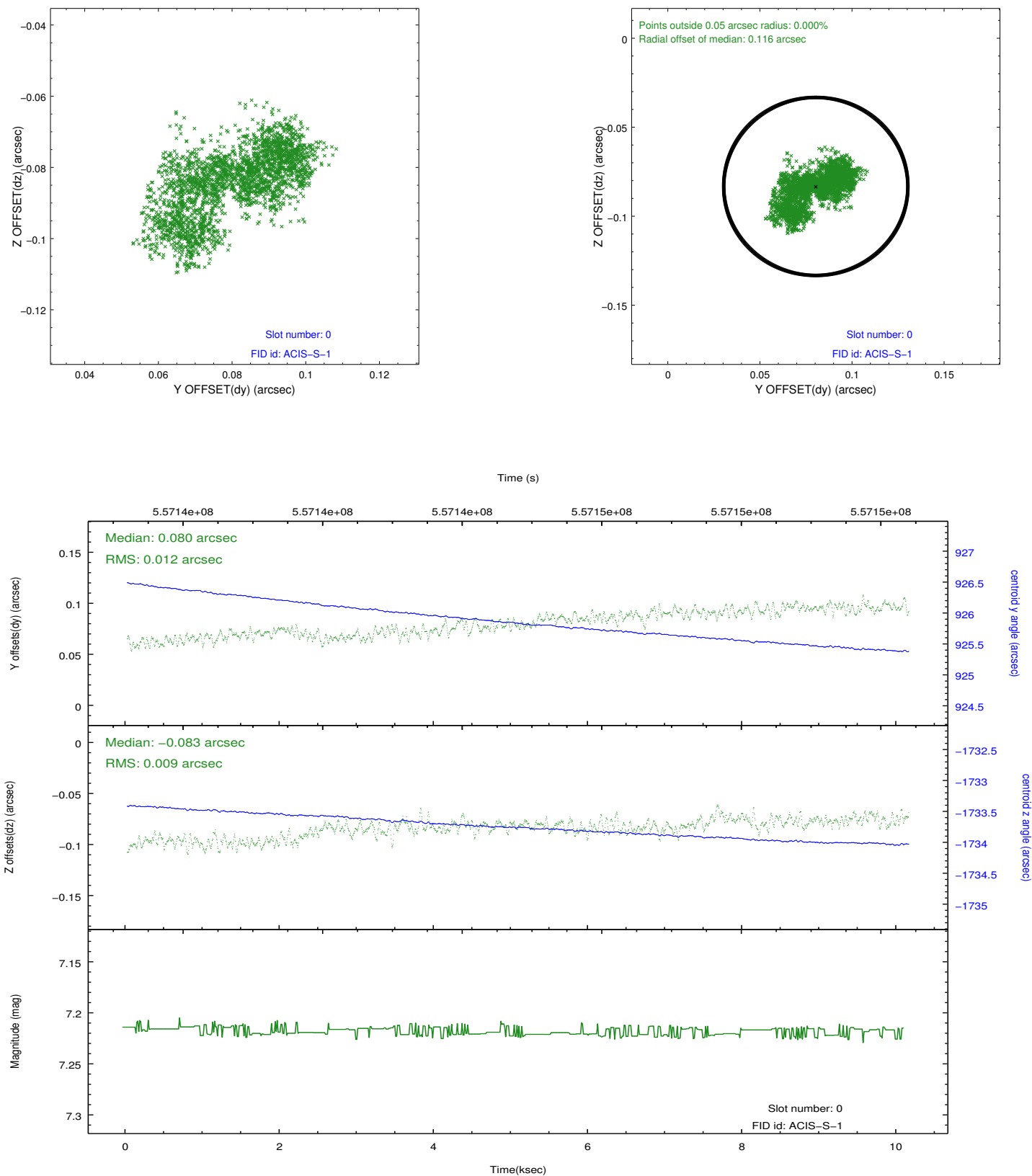


2.4.5 Slot 7

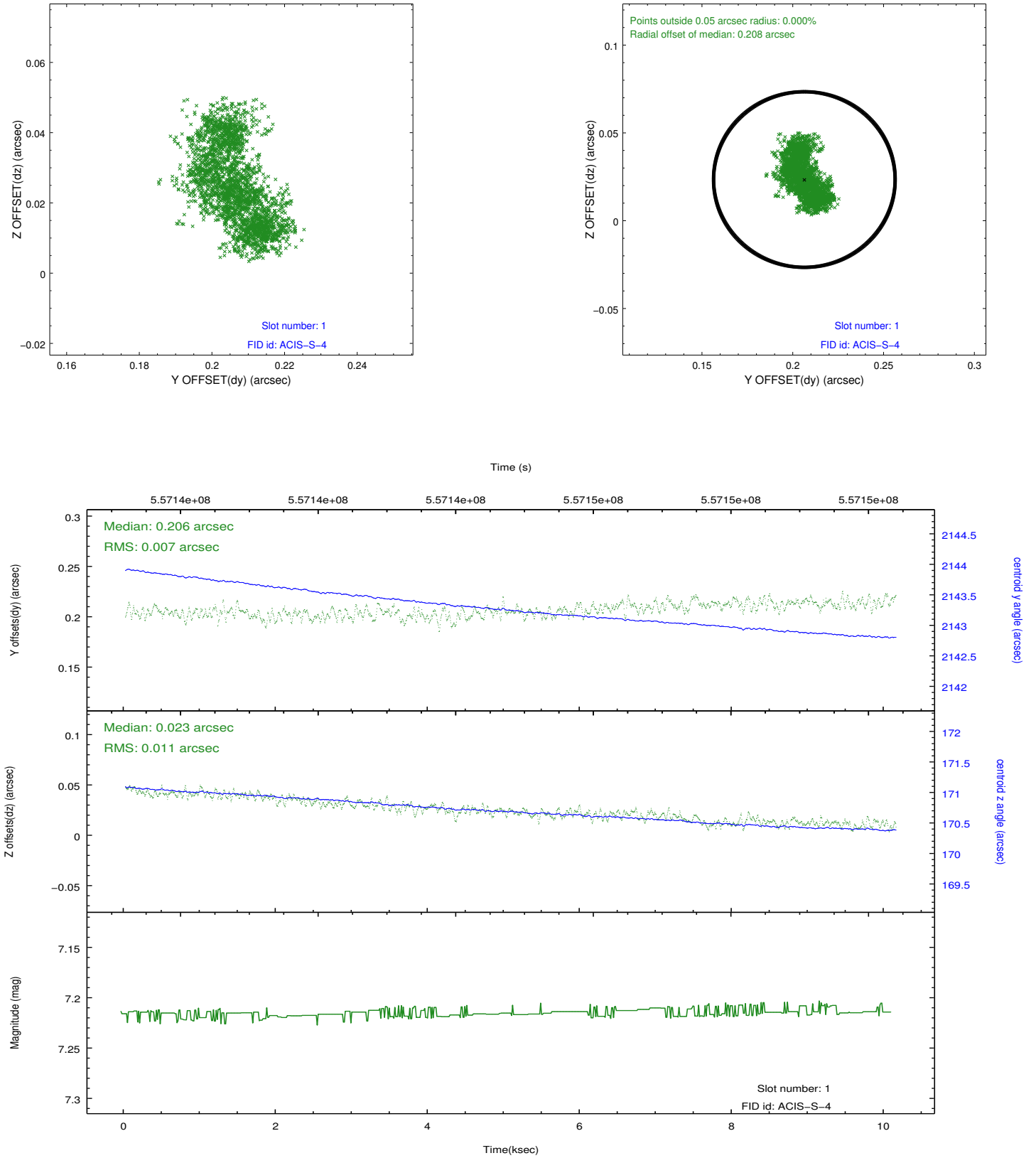


2.5 FID Slots

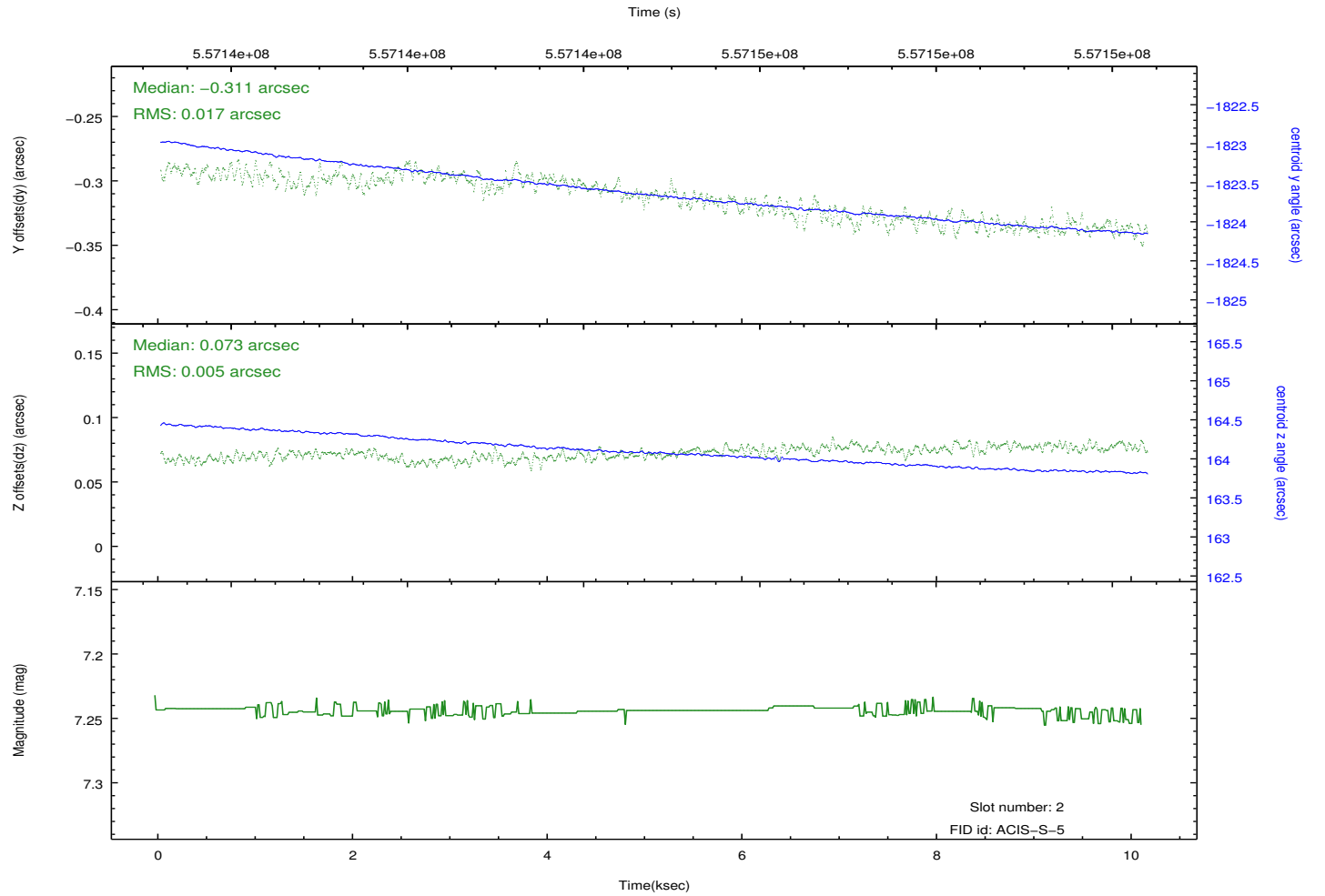
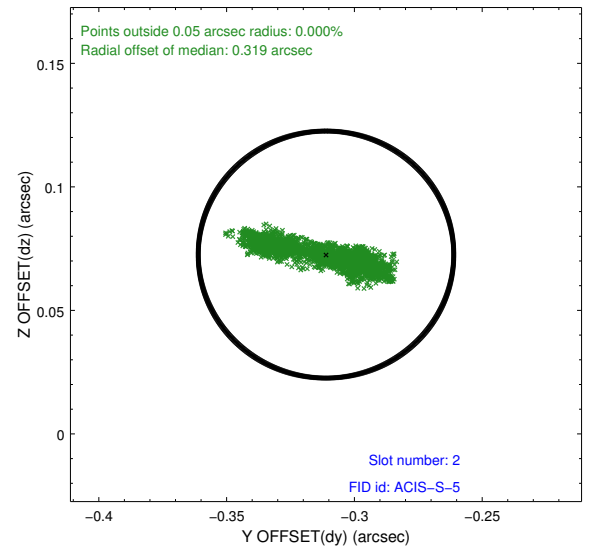
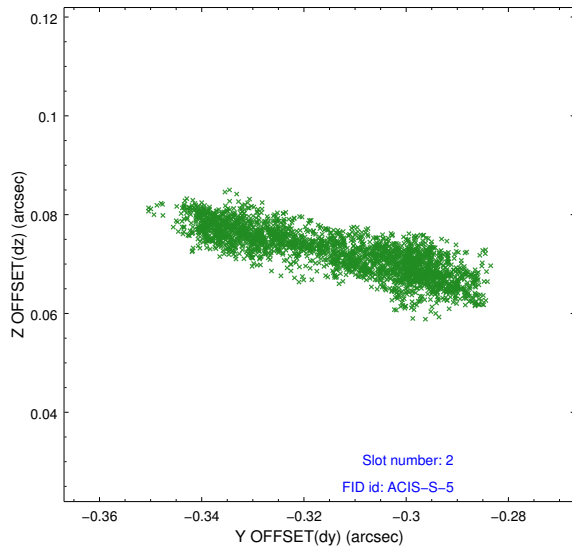
2.5.1 Slot 0



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)	2015.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.056279374003

A.2 Comments