

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 17570 - L2 Version 1
Chandra X-Ray Center

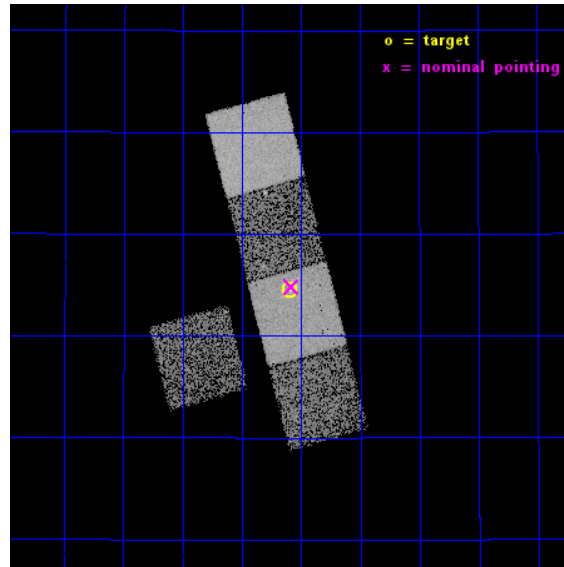
L2 Processing Date : Apr 21 2015

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1 Front

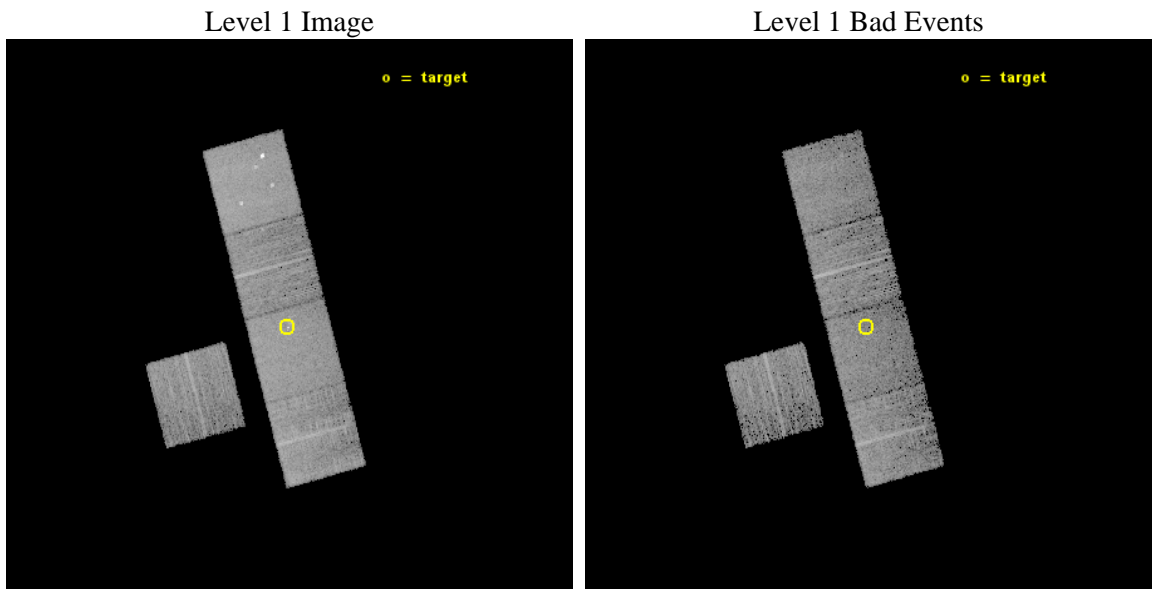
seq_num	502487	Sequence number
obs_id	17570	Observation id
title	The unprecedented metamorphosis of SN2014C	Proposal title
observer	Dr Raffaella Margutti	Principal investigator
object	SN2014C	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	339.273333	Observer's specified target RA [deg]
dec_targ	34.408861	Observer's specified target Dec [deg]
ra_nom	339.27062307478	Nominal RA [deg]
dec_nom	34.413828704796	Nominal Dec [deg]
roll_nom	75.097348570037	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10024.851489663	Sum of GTIs [s]
livetime	9893.8694247624	Livetime [s]
ontime3	10021.587329507	Sum of GTIs [s]
ontime5	10024.810449719	Sum of GTIs [s]
ontime6	10024.769409657	Sum of GTIs [s]
ontime7	10024.851489663	Sum of GTIs [s]
ontime8	10024.68732965	Sum of GTIs [s]
l2events	77906	Number of level 2 events



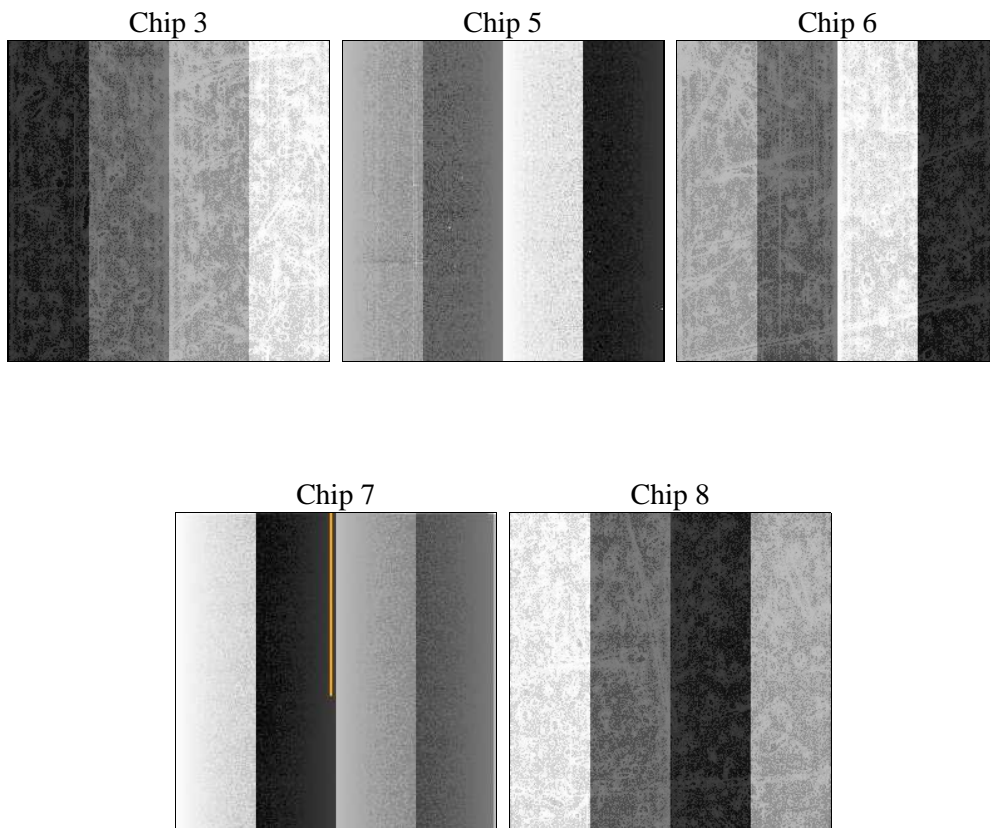
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	10024.851489663	Sum of GTIs [s]
caldsver	4.6.7	 	ontime3	10021.587329507	Sum of GTIs [s]
date	2015-04-21T10:52:21	Date and time of file creation	ontime5	10024.810449719	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	10024.769409657	Sum of GTIs [s]
			ontime7	10024.851489663	Sum of GTIs [s]
			ontime8	10024.68732965	Sum of GTIs [s]
			l1events	303939	Number of level 1 events

2.1.4 Events

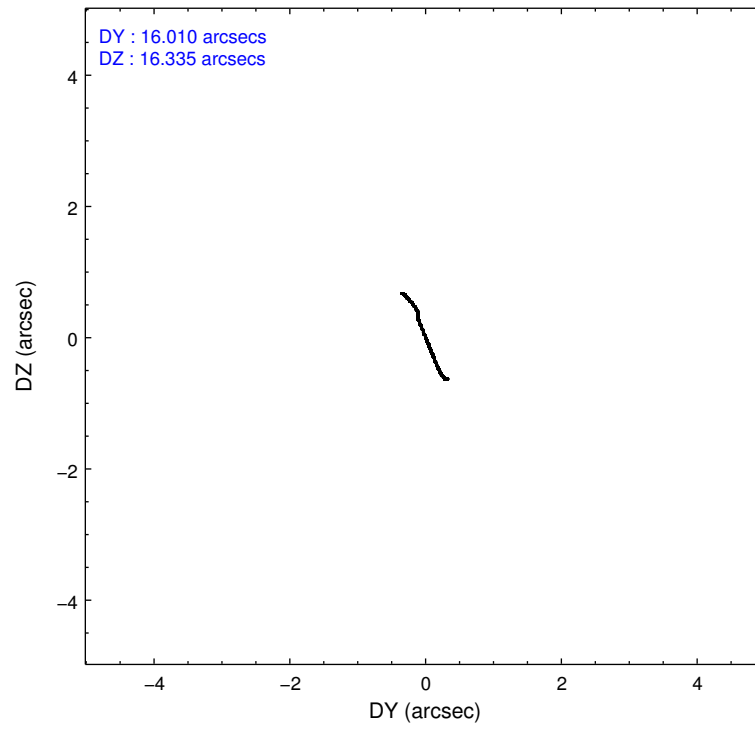
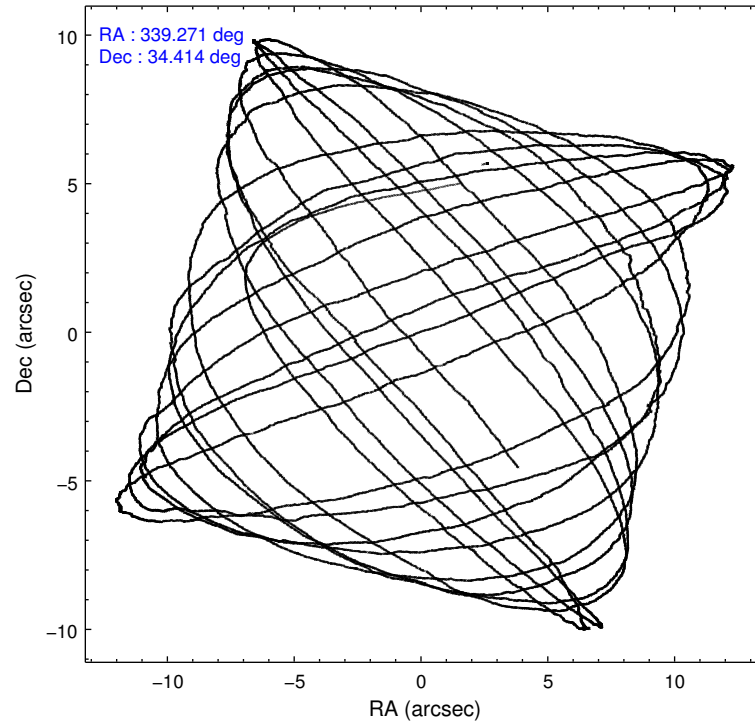
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	46363	81208	49692	65081	61595
rejected events	41279	41086	43562	36738	46132
rejected %	89%	50%	87%	56%	74%

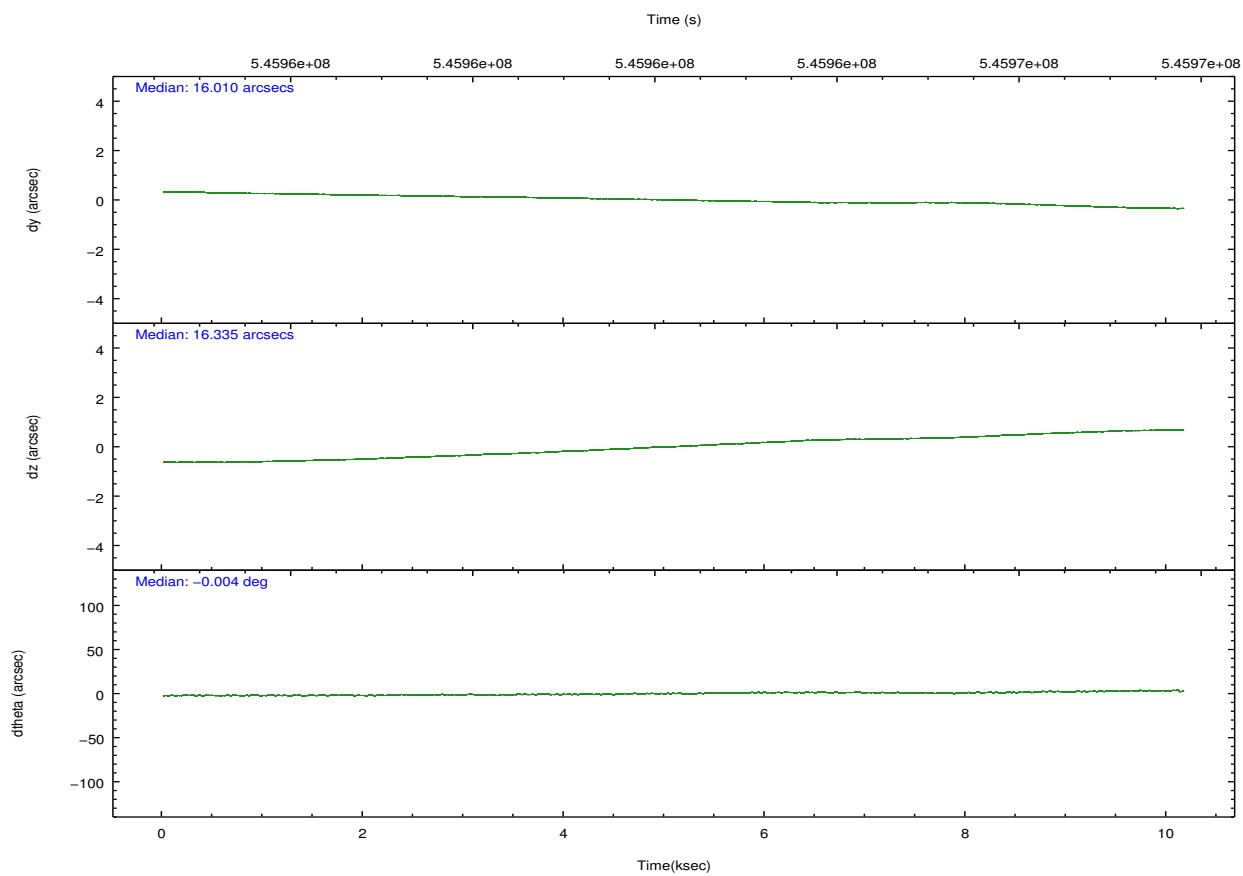
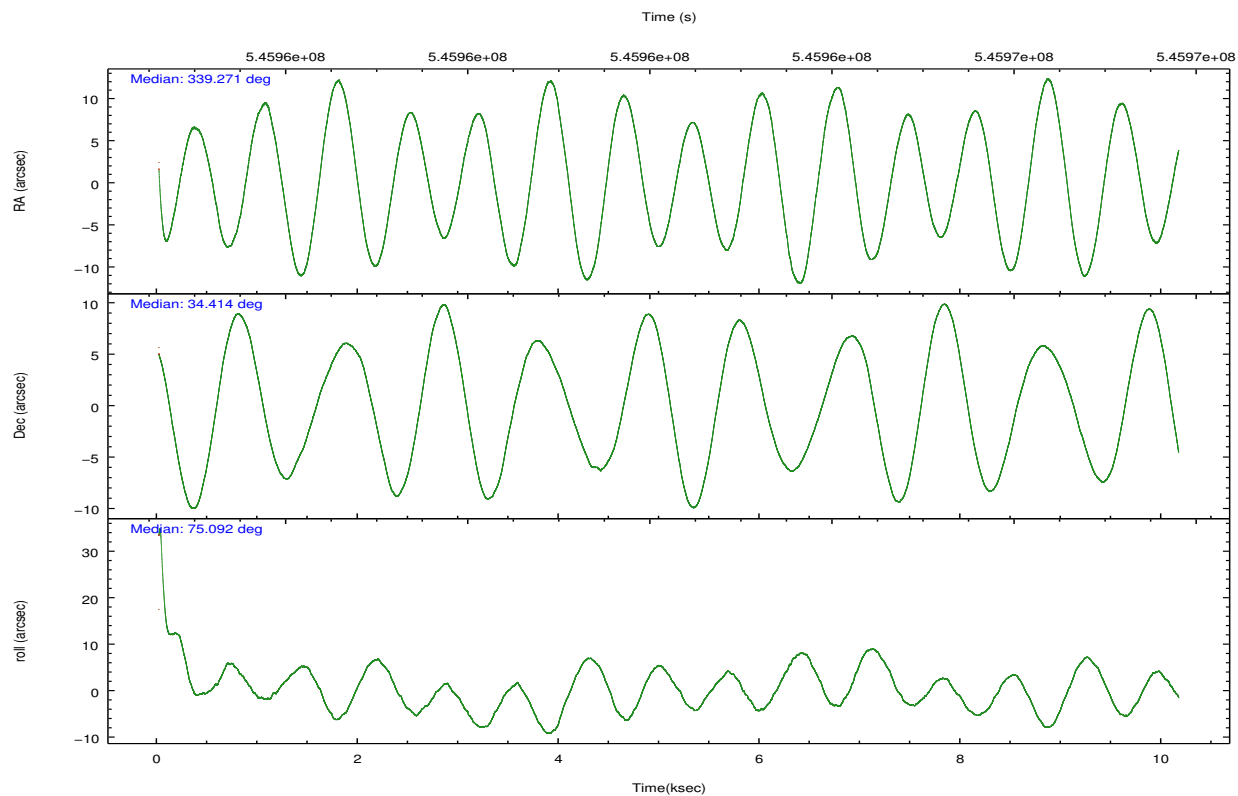
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1787	4851	2097	2479	4365
	3%	5%	4%	3%	7%
grade 1 events	21	261	24	73	53
	0%	0%	0%	0%	0%
grade 2 events	1145	12299	1373	6088	3723
	2%	15%	2%	9%	6%
grade 3 events	510	1225	610	2273	1633
	1%	1%	1%	3%	2%
grade 4 events	568	1079	563	2223	1523
	1%	1%	1%	3%	2%
grade 5 events	2360	5265	2353	6109	3501
	5%	6%	4%	9%	5%
grade 6 events	1076	20677	1491	15286	4220
	2%	25%	3%	23%	6%
grade 7 events	38896	35551	41181	30550	42577
	83%	43%	82%	46%	69%

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	339.279724	339.2706230747771	CCD I2 on	N	N
[deg] Pointing Dec	34.387418	34.4138287047964	CCD I3 on	O1	Y
[deg] Pointing Roll	74.935548	75.09734857003664	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	545957300.184000	545956009.35796	CCD S5 on	N	N
Observation start date	2015-04-20T22:47:13	2015-04-20T22:26:49	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	545967300.184000	545968535.88366	On-chip summing requested	N	N
Observation end date	2015-04-21T01:33:53	2015-04-21T01:55:35	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



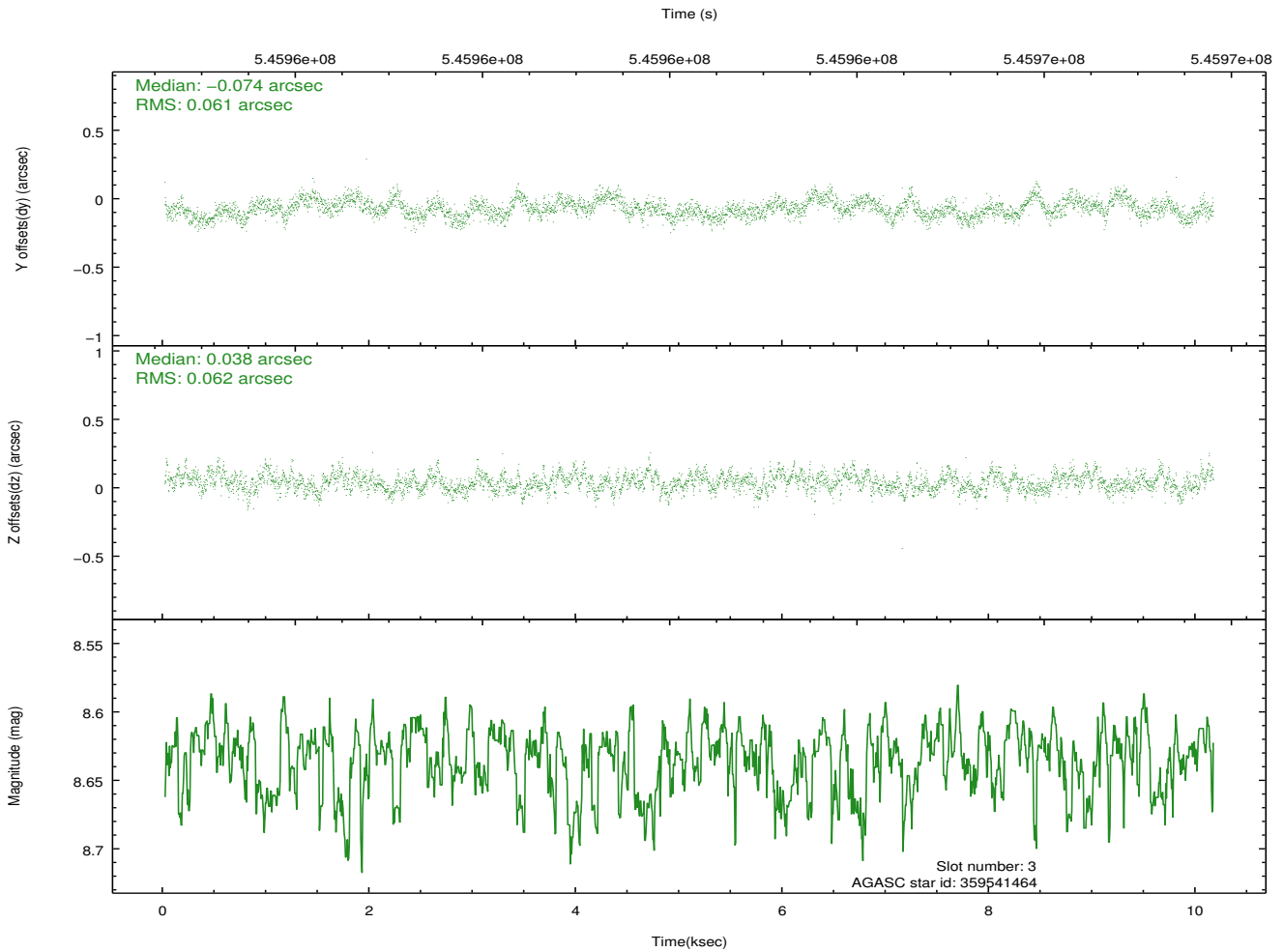
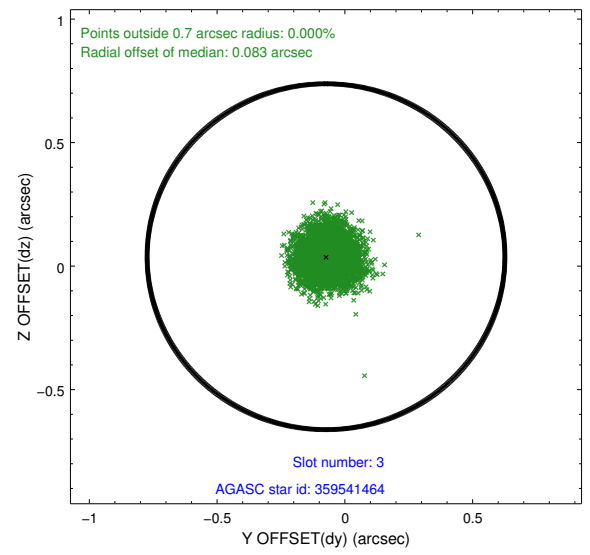
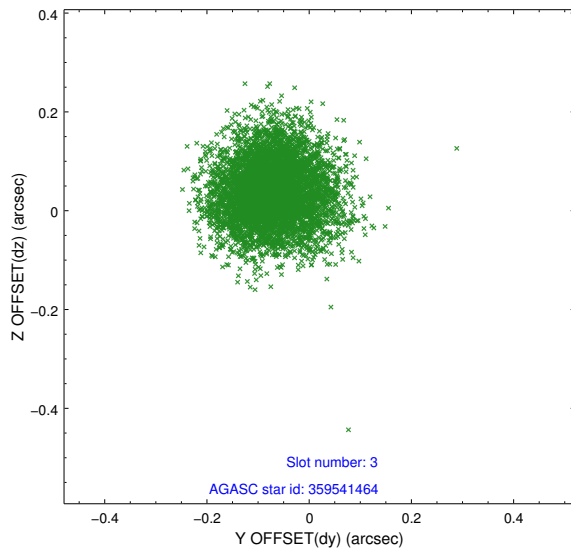


Slot Statistics

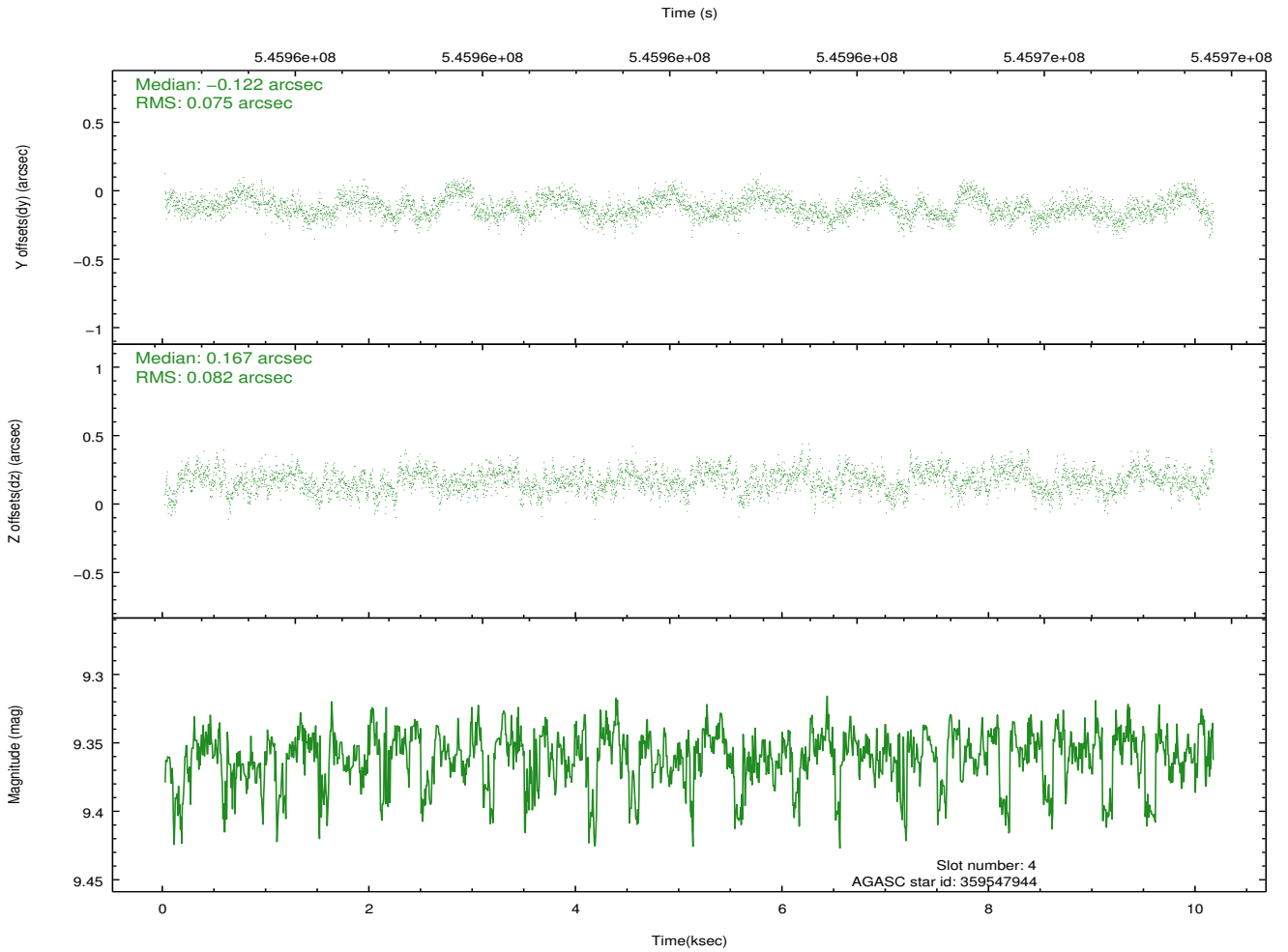
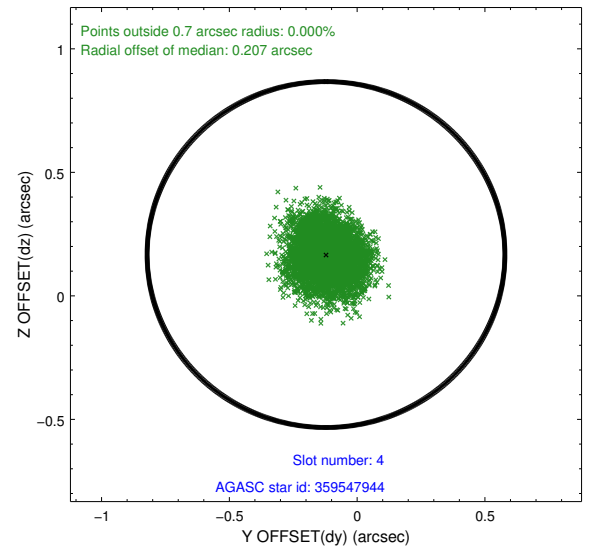
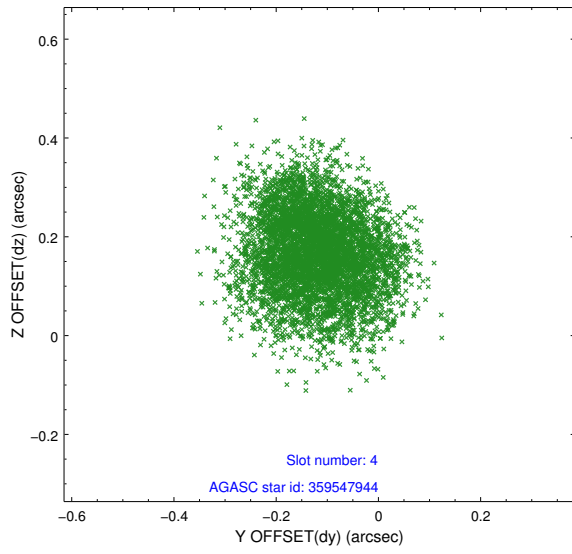
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	2476	-0.133	-0.055	0.017	0.027	0.000000	0.000000	-769.13	-1737.75
1	FID		ACIS-S-4	7.19	2477	0.339	0.079	0.006	0.012	0.000000	0.000000	2144.36	170.34
2	FID		ACIS-S-5	7.22	2477	-0.237	-0.014	0.016	0.029	0.000000	0.000000	-1821.43	164.48
3	GUIDE	used	359541464	8.63	4949	-0.074	0.038	0.093	0.148	339.073218	34.654496	769.97	840.95
4	GUIDE	used	359547944	9.36	4951	-0.122	0.167	0.120	0.189	338.858049	34.436167	-153.49	1255.84
5	GUIDE	used	359538352	8.61	4950	0.116	0.047	0.108	0.180	338.308674	33.941529	-2291.73	2387.36
6	GUIDE	used	359532480	9.14	4951	0.060	-0.209	0.112	0.190	338.355352	34.103802	-1690.72	2398.77
7	GUIDE	used	359540136	8.78	4951	0.017	-0.042	0.090	0.145	339.014971	34.618247	598.82	974.59

2.4 Star Slots

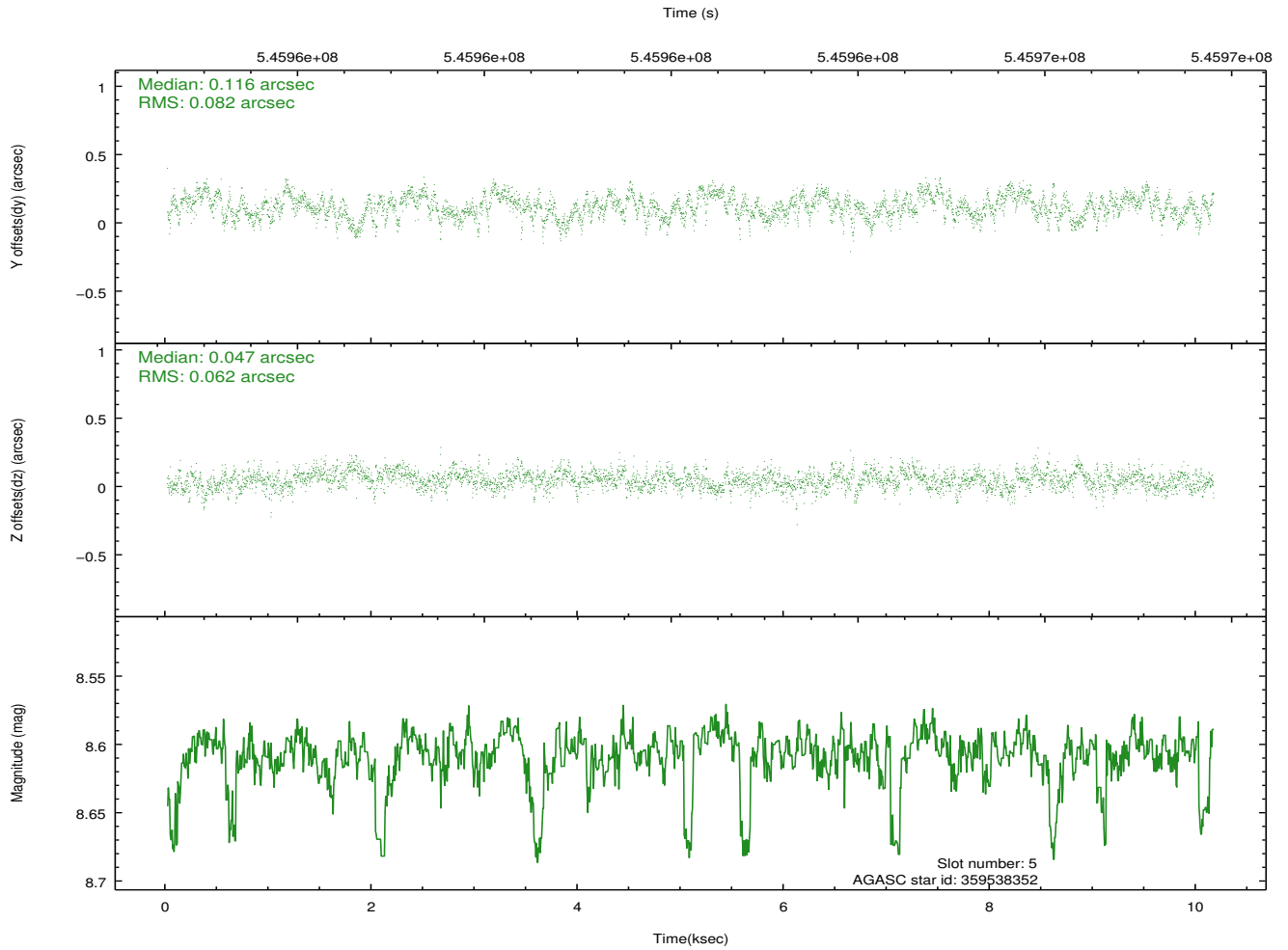
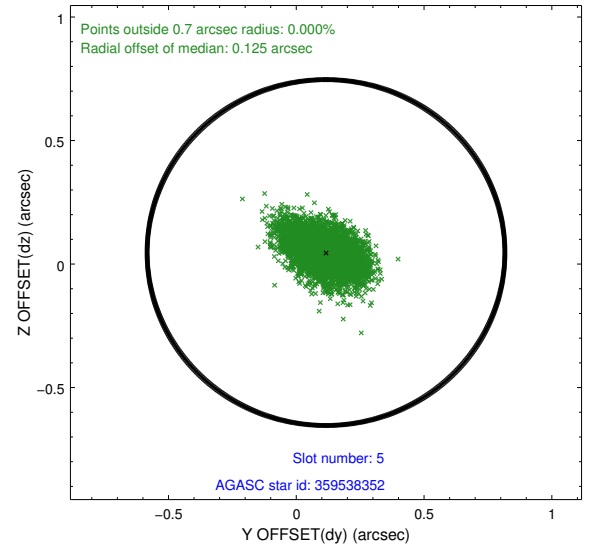
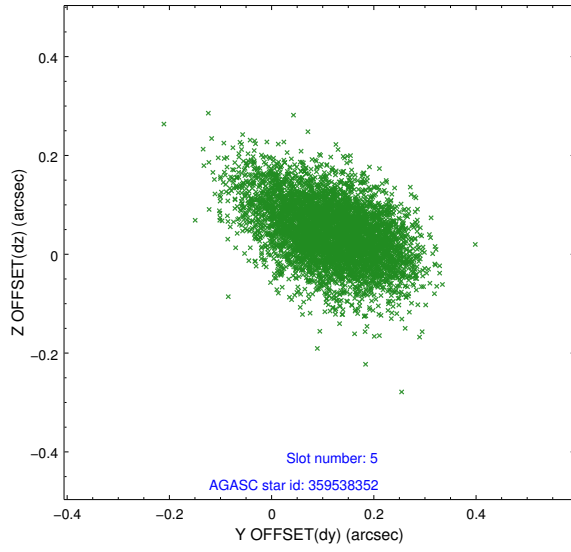
2.4.1 Slot 3



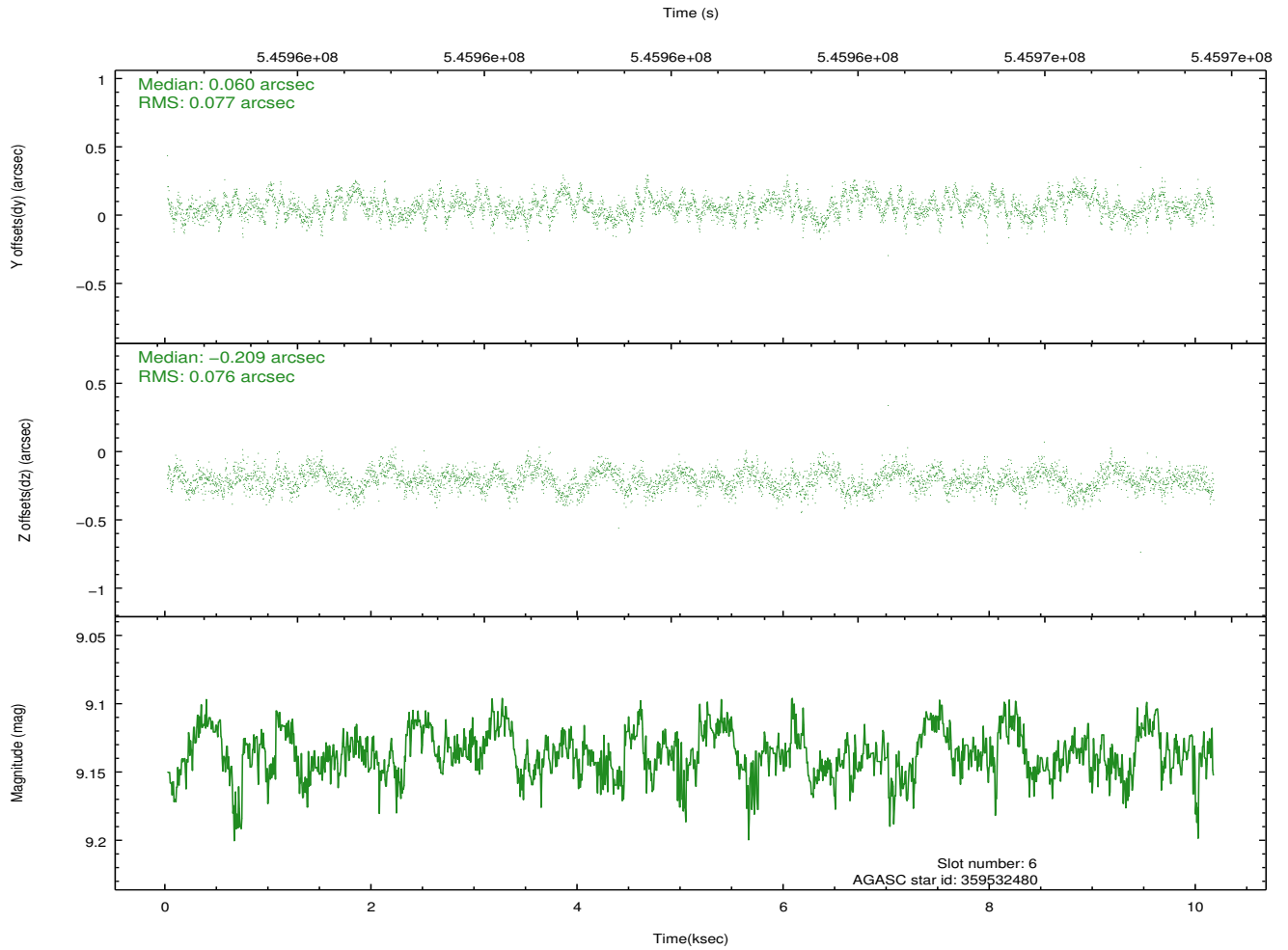
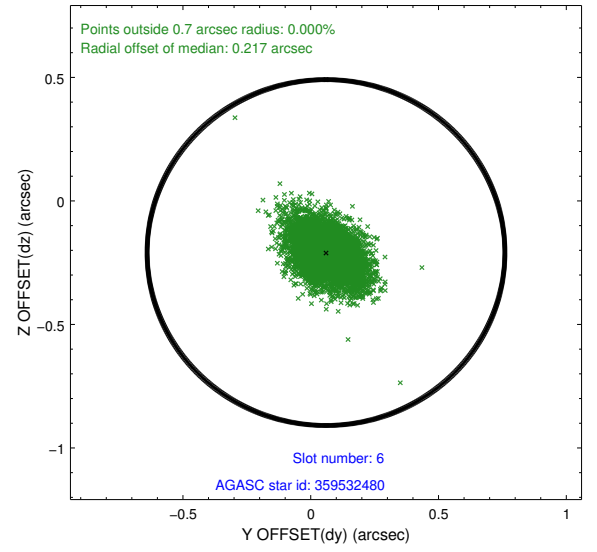
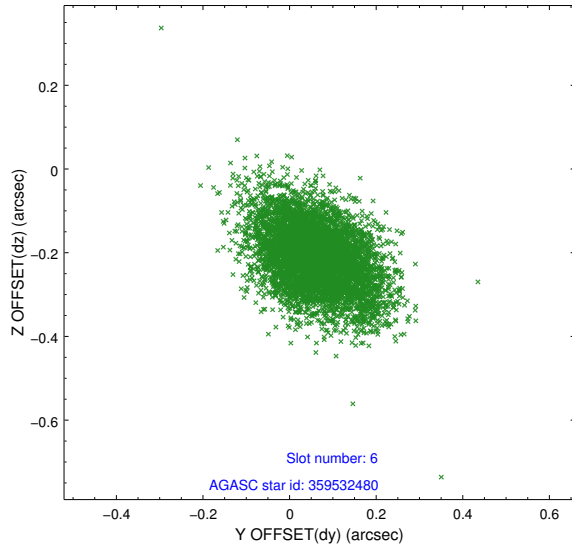
2.4.2 Slot 4



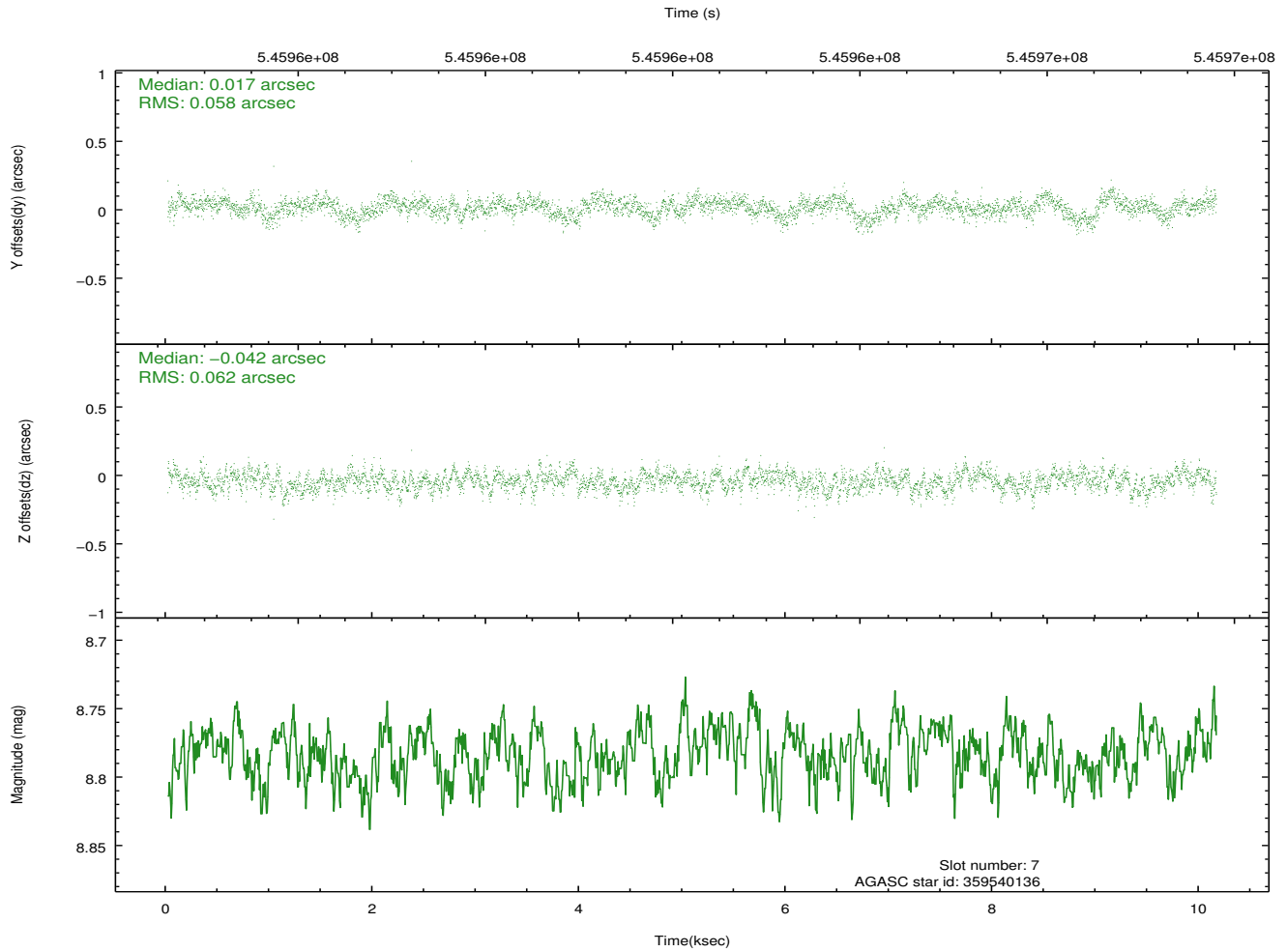
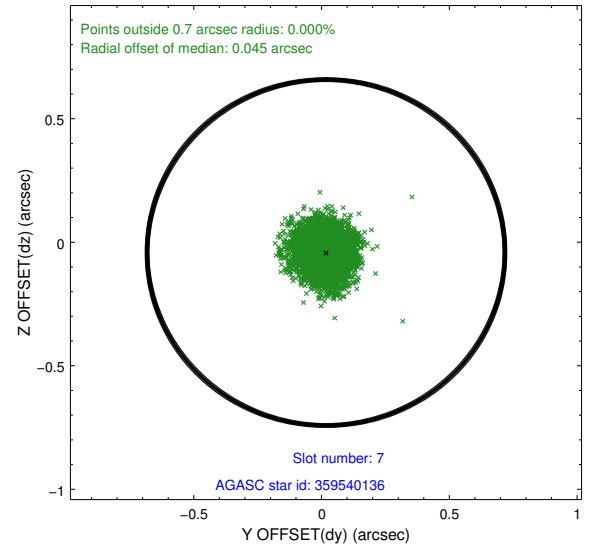
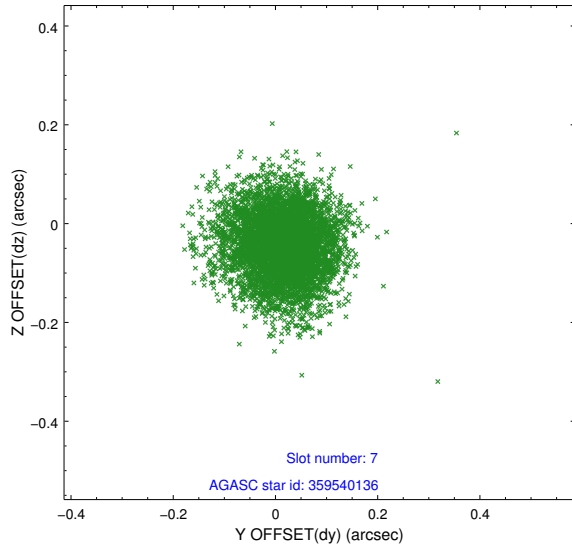
2.4.3 Slot 5



2.4.4 Slot 6

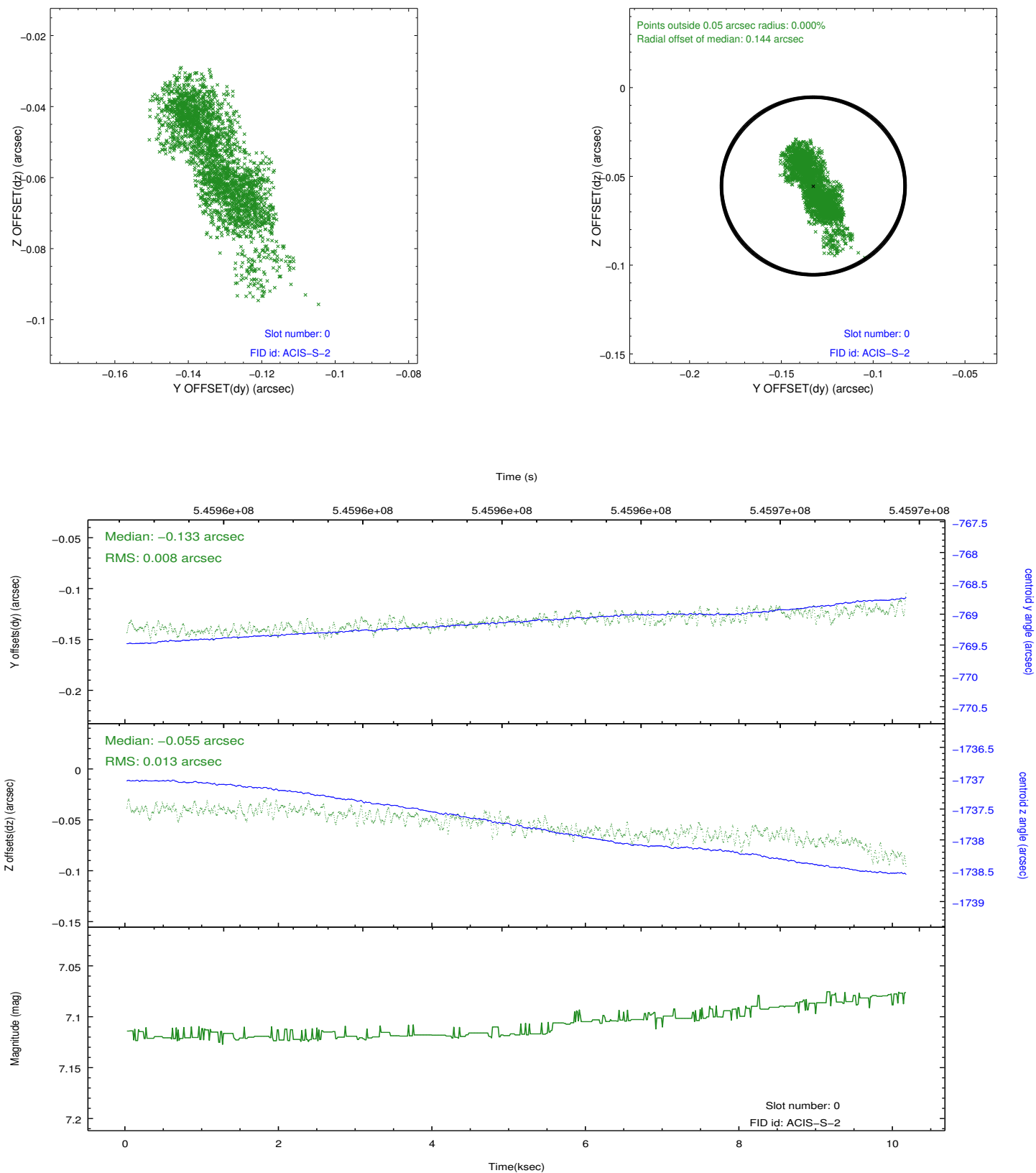


2.4.5 Slot 7

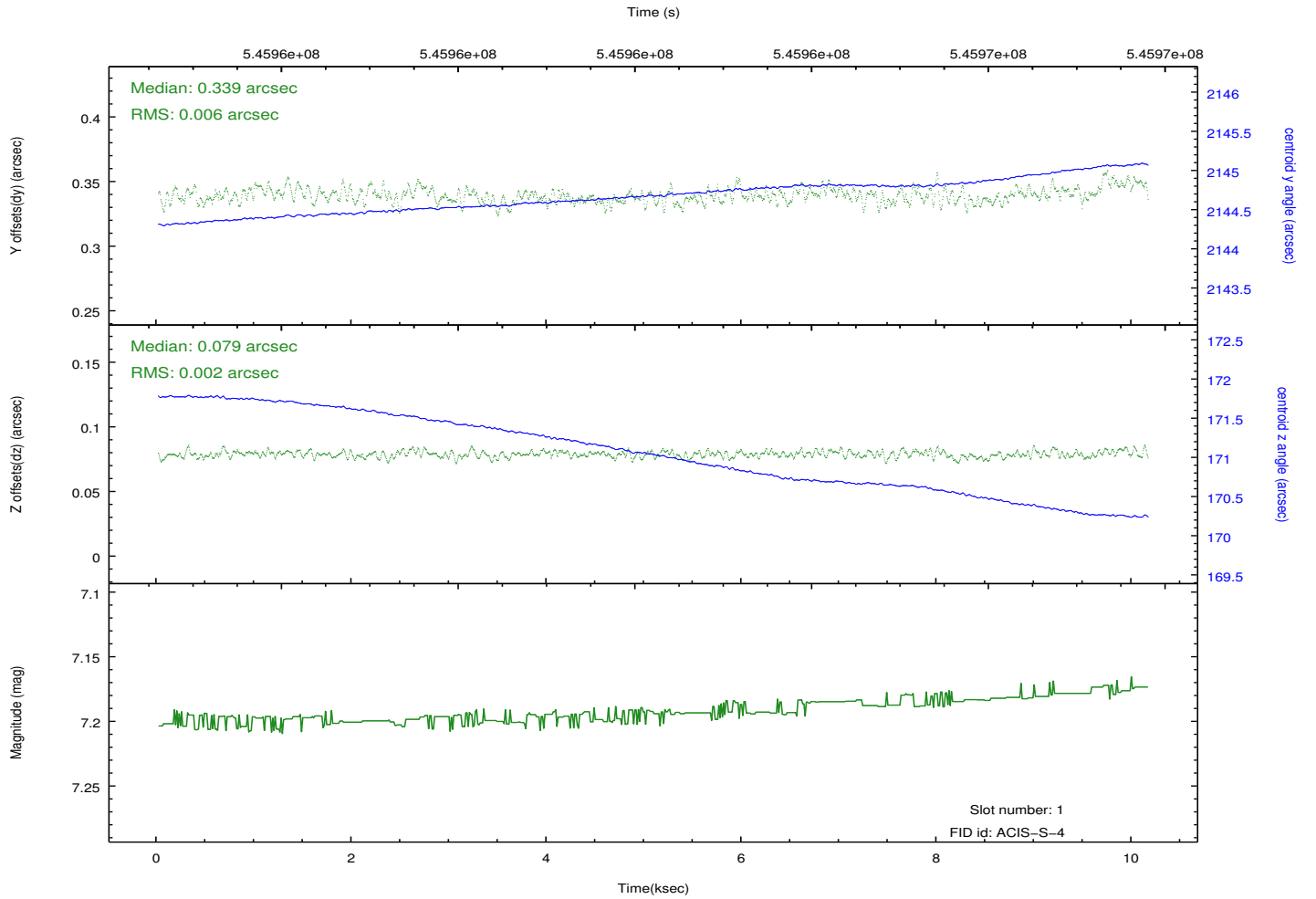
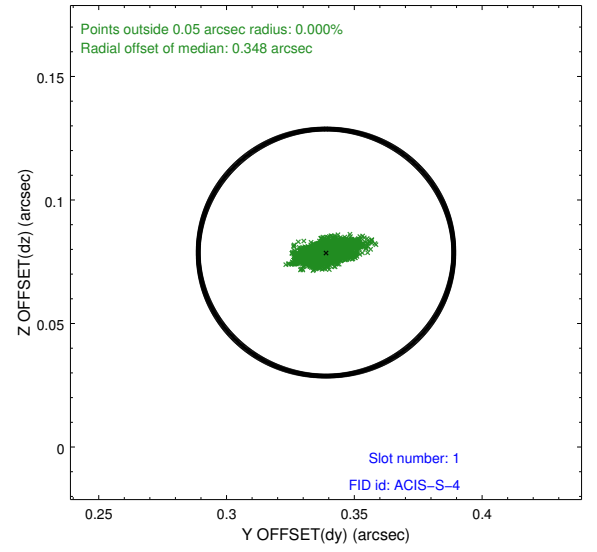
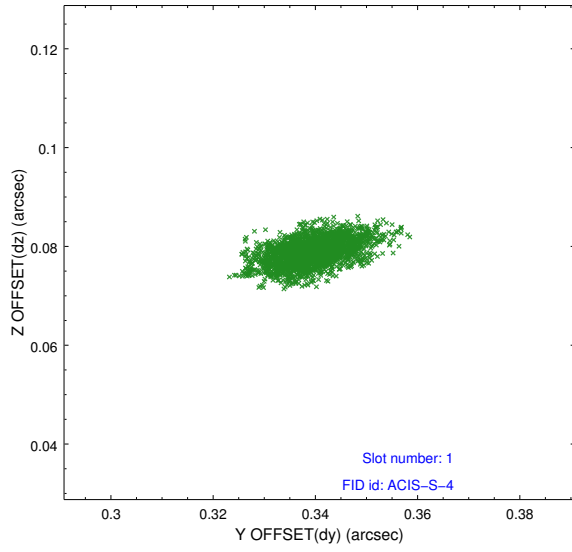


2.5 FID Slots

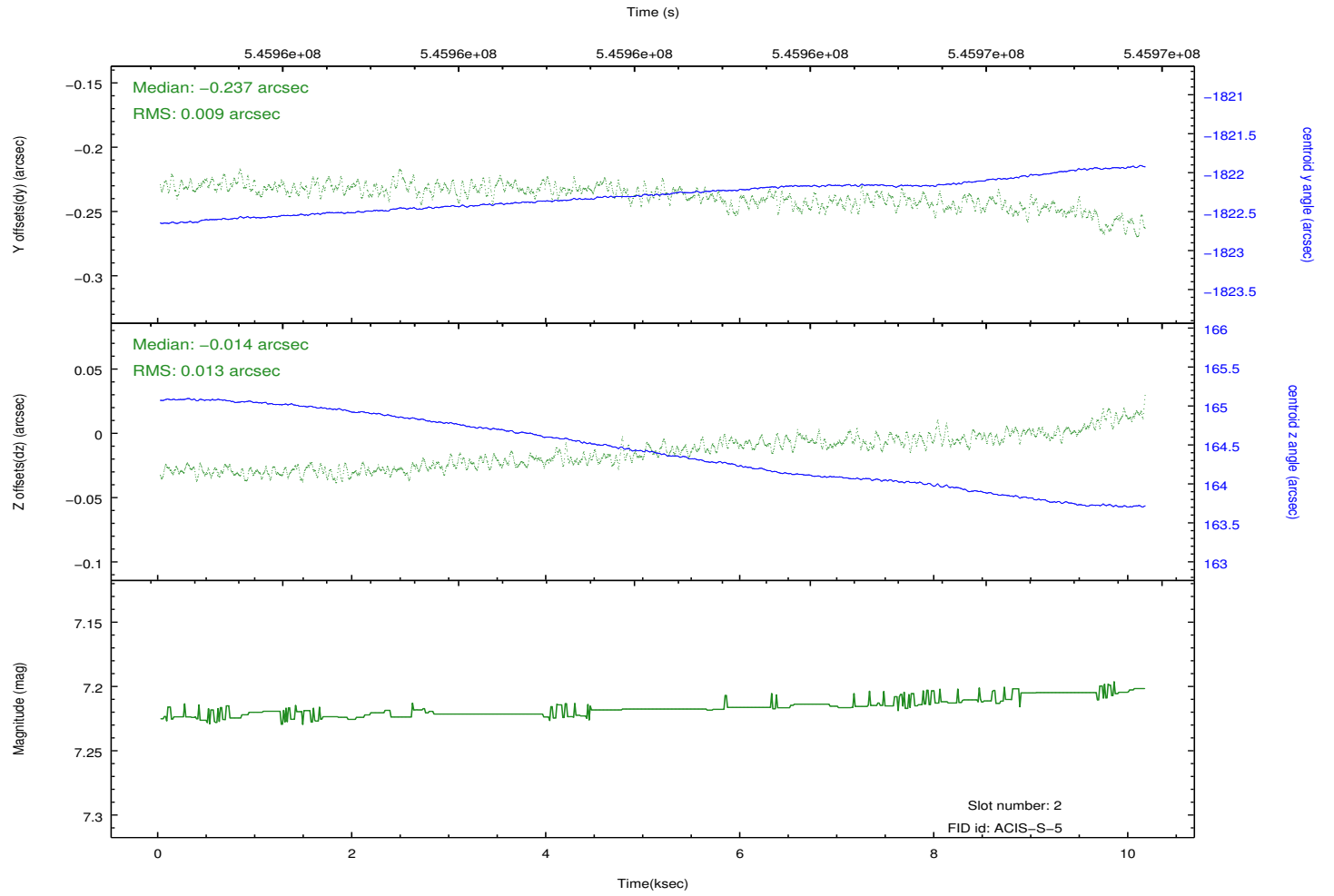
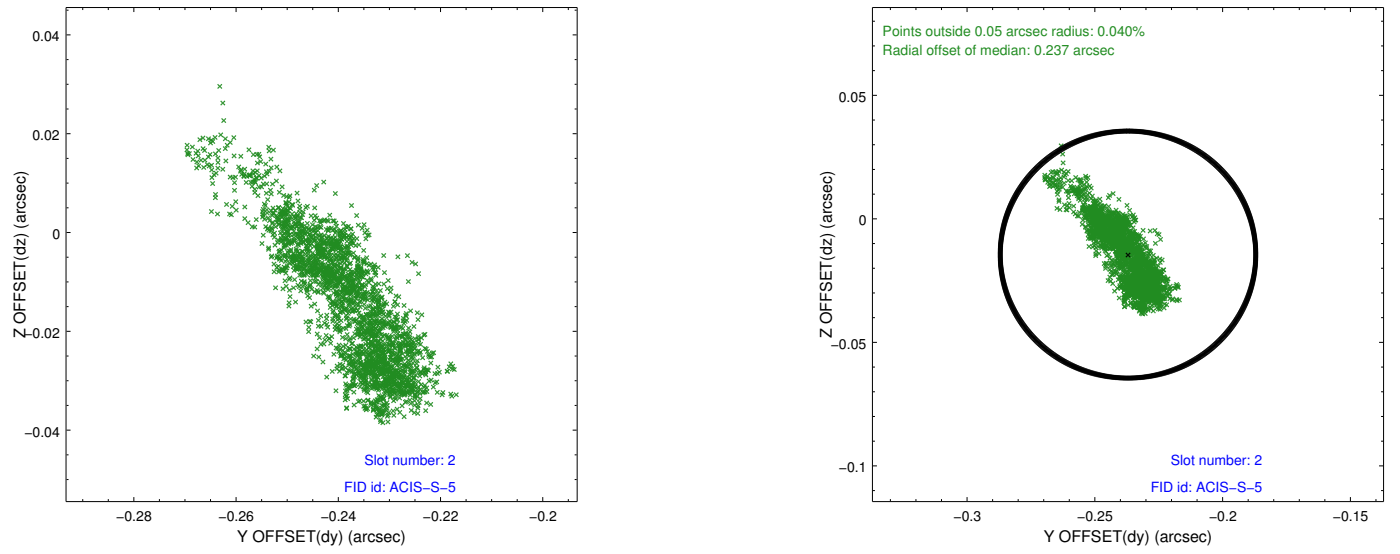
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.04.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.024851489663

A.2 Comments

Monitor constraint met.