

V&V Reference Report

L2 ASCDS Version : 10.3

Observation 16005 - L2 Version 1
Chandra X-Ray Center

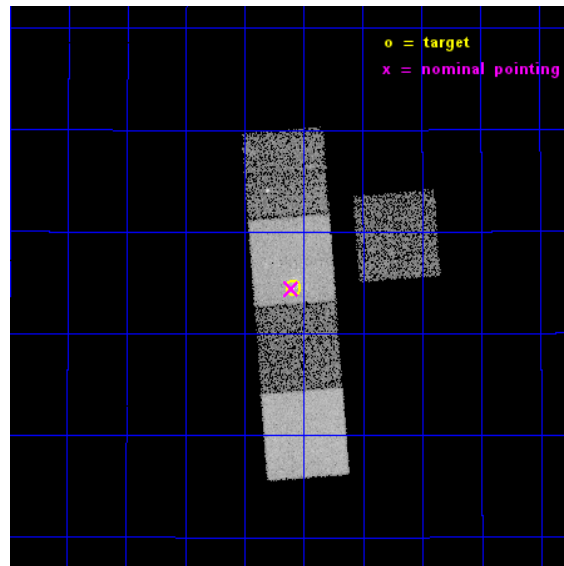
L2 Processing Date : Nov 3 2014

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1 Front

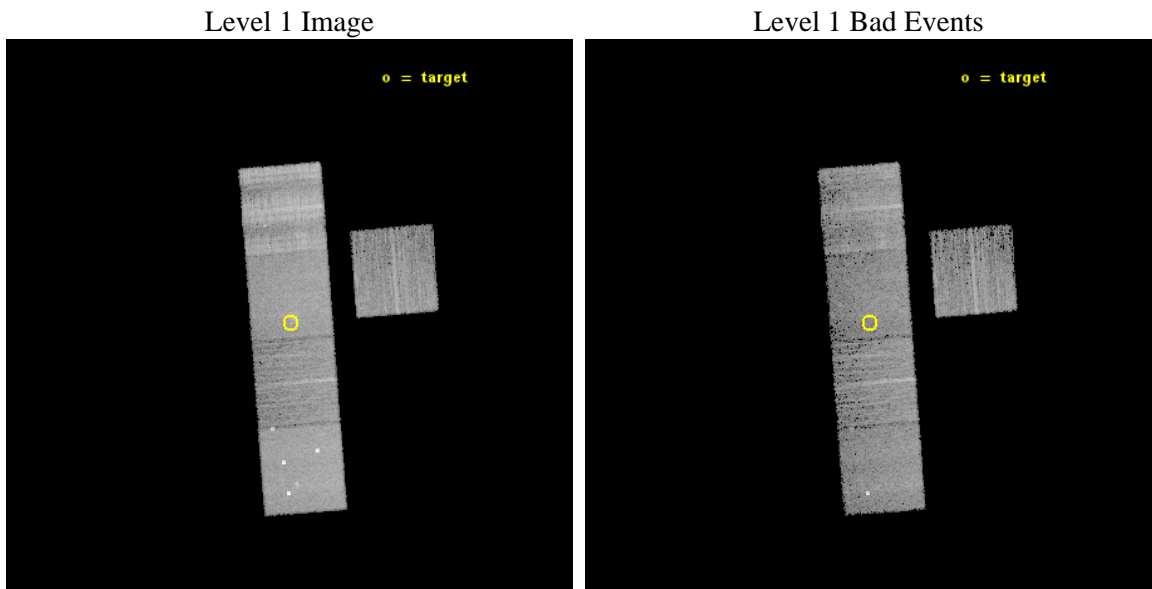
seq_num	502238	Sequence number
obs_id	16005	Observation id
title	The Energetics and Environments of Type Ibc Supernovae	Proposal ti
observer	Dr Alicia Soderberg	Principal investigator
object	SN2014C	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	339.273333	Observer's specified target RA [deg]
dec_targ	34.408861	Observer's specified target Dec [deg]
ra_nom	339.27626299391	Nominal RA [deg]
dec_nom	34.406937036993	Nominal Dec [deg]
roll_nom	265.4107211241	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10062.071801305	Sum of GTIs [s]
livetime	9930.6034256313	Livetime [s]
ontime3	10058.807710946	Sum of GTIs [s]
ontime5	10062.030761302	Sum of GTIs [s]
ontime6	10061.989721298	Sum of GTIs [s]
ontime7	10062.071801305	Sum of GTIs [s]
ontime8	10055.625799775	Sum of GTIs [s]
l2events	87345	Number of level 2 events



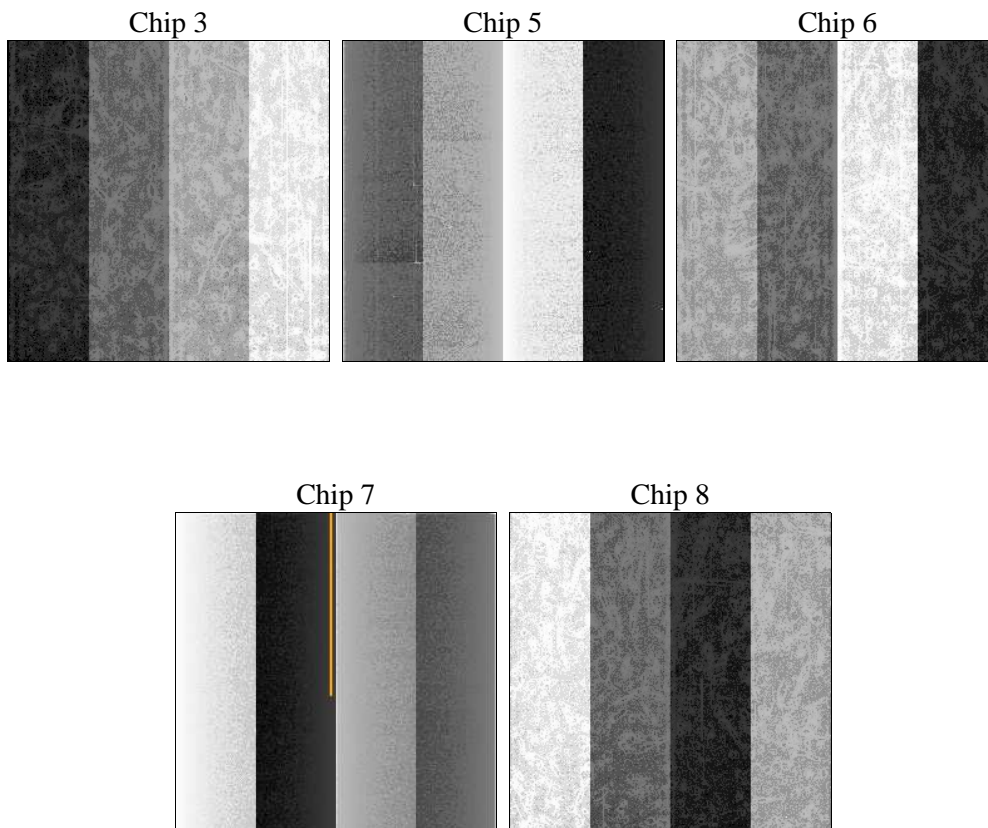
2 OBI

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	Processing system revision	ontime	10062.071801305	Sum of GTIs [s]
caldbver	4.6.4	 	ontime3	10058.807710946	Sum of GTIs [s]
date	2014-11-03T14:46:01	Date and time of file creation	ontime5	10062.030761302	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	10061.989721298	Sum of GTIs [s]
			ontime7	10062.071801305	Sum of GTIs [s]
			ontime8	10055.625799775	Sum of GTIs [s]
			l1events	370143	Number of level 1 events

2.1.4 Events

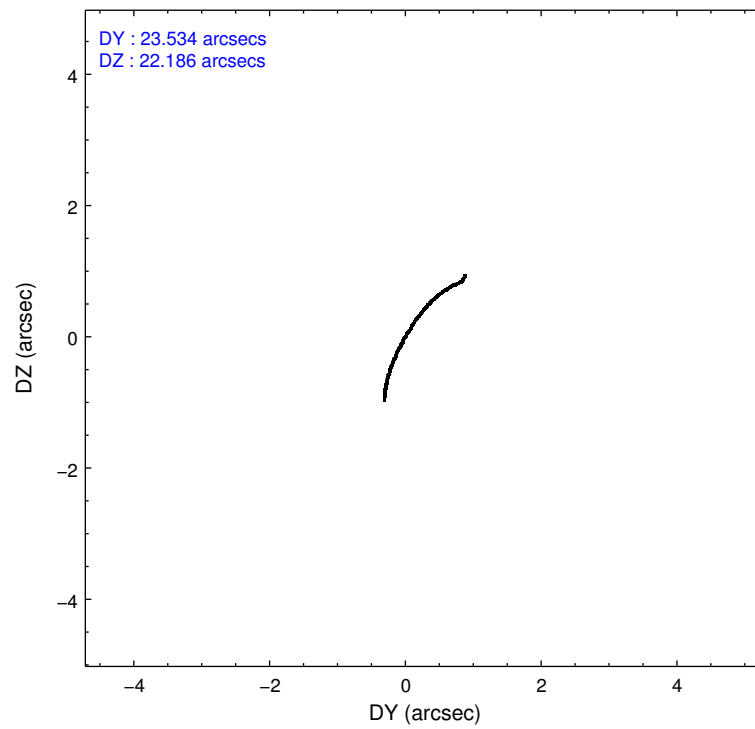
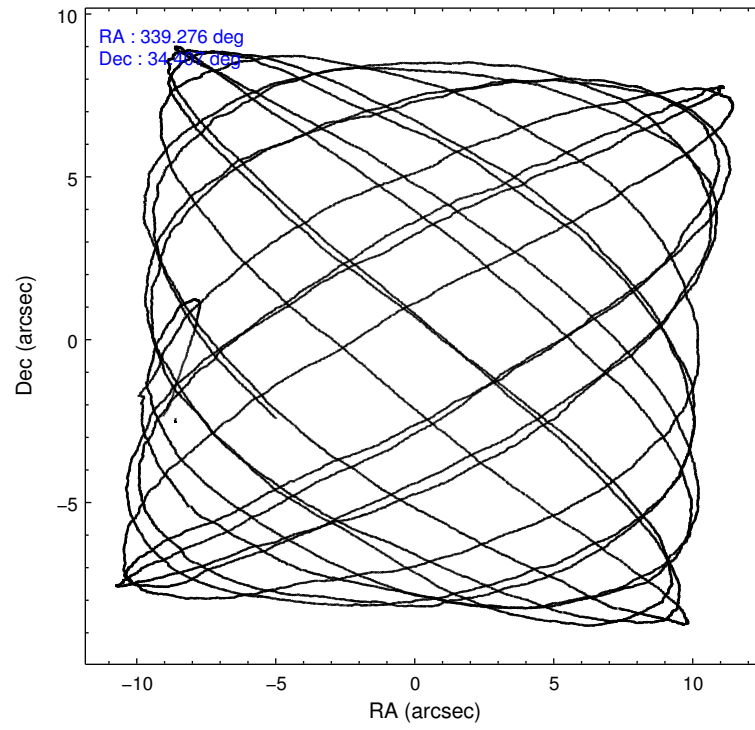
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	51946	94024	54206	71135	98832
rejected events	46499	46449	47490	39310	54002
rejected %	89%	49%	87%	55%	54%

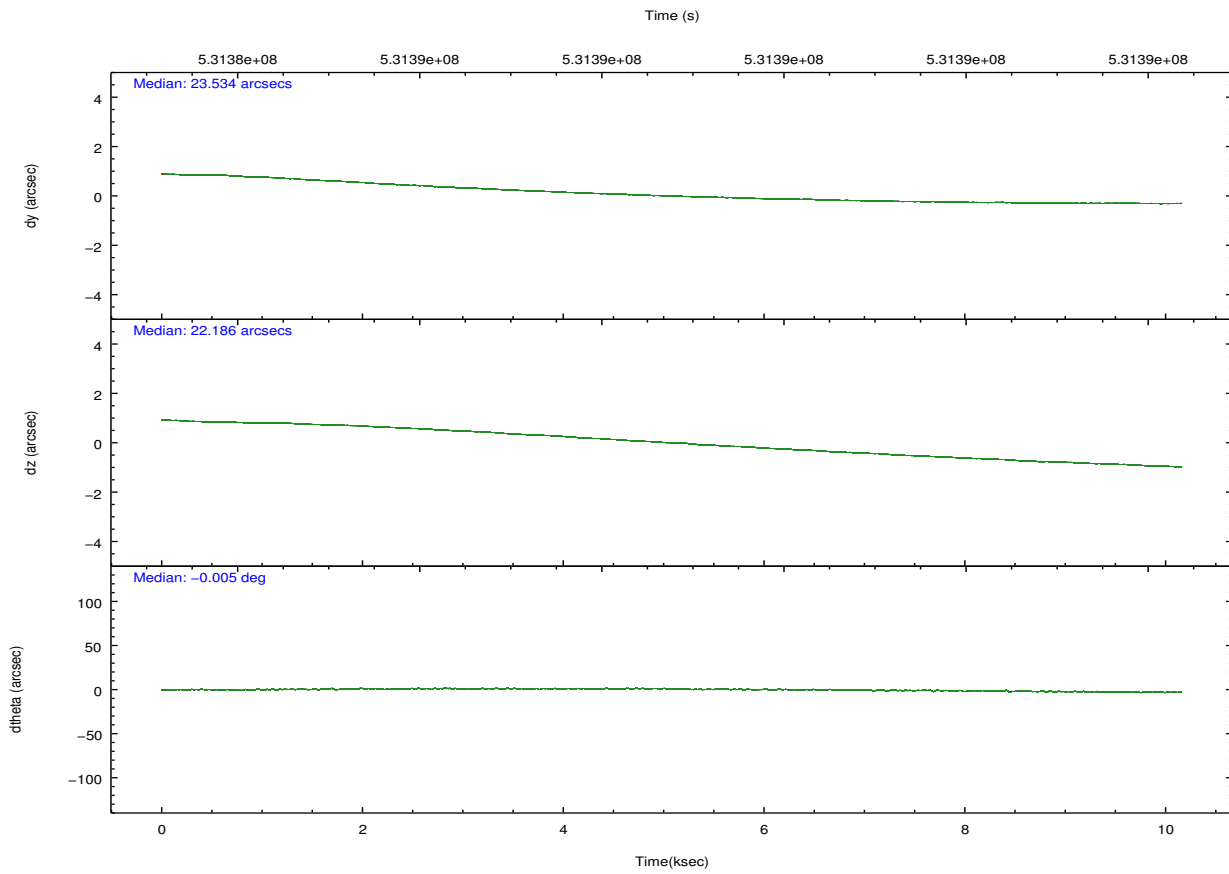
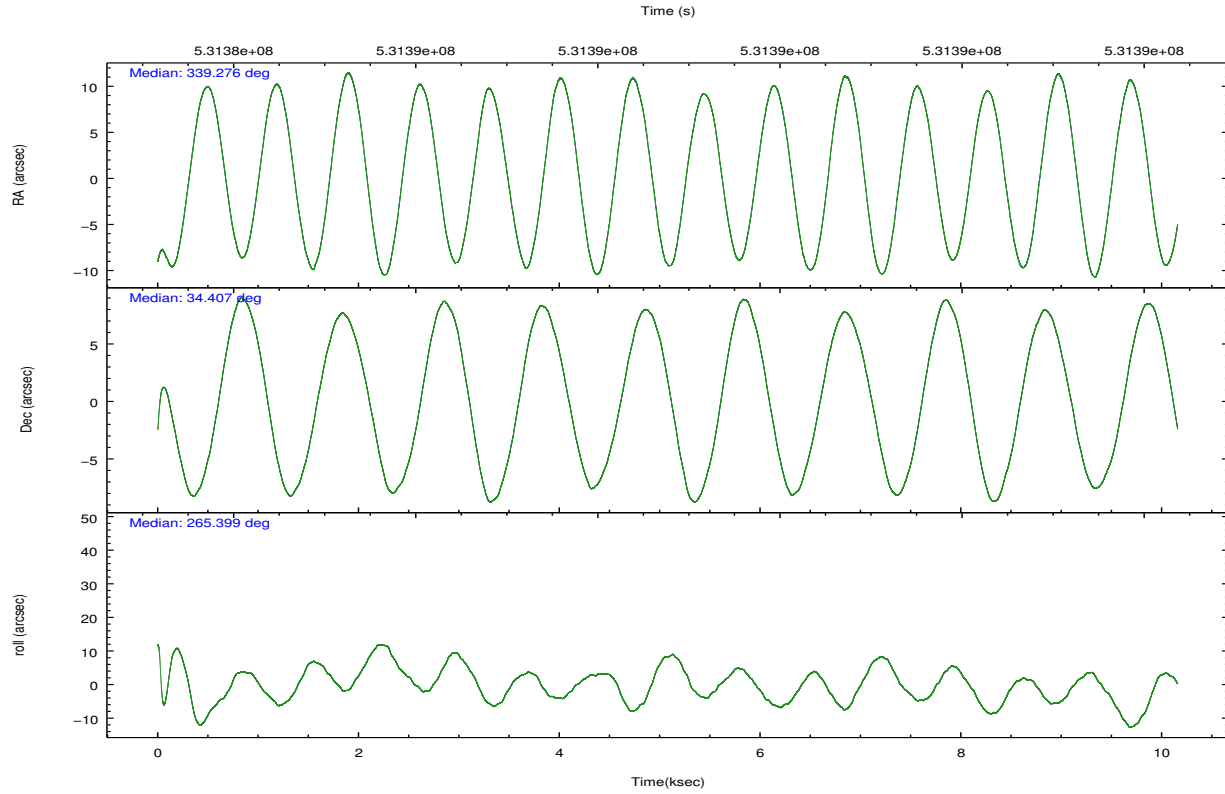
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1947	8876	2333	3091	14095
	3%	9%	4%	4%	14%
grade 1 events	34	326	32	99	125
	0%	0%	0%	0%	0%
grade 2 events	1281	14047	1676	6986	7504
	2%	14%	3%	9%	7%
grade 3 events	572	1607	633	2763	7089
	1%	1%	1%	3%	7%
grade 4 events	558	1573	630	2694	6507
	1%	1%	1%	3%	6%
grade 5 events	2525	6529	2647	6999	4091
	4%	6%	4%	9%	4%
grade 6 events	1093	21490	1448	16313	9673
	2%	22%	2%	22%	9%
grade 7 events	43936	39576	44807	32190	49748
	84%	42%	82%	45%	50%

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	339.261622	339.2762629939062	CCD I2 on	N	N
[deg] Pointing Dec	34.431568	34.40693703699264	CCD I3 on	O1	Y
[deg] Pointing Roll	265.262341	265.410721124103	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	531383839.184000	531382627.7318	CCD S5 on	N	N
Observation start date	2014-11-03T06:36:12	2014-11-03T06:17:07	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	531393839.184000	531395077.38249	On-chip summing requested	N	N
Observation end date	2014-11-03T09:22:52	2014-11-03T09:44:37	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



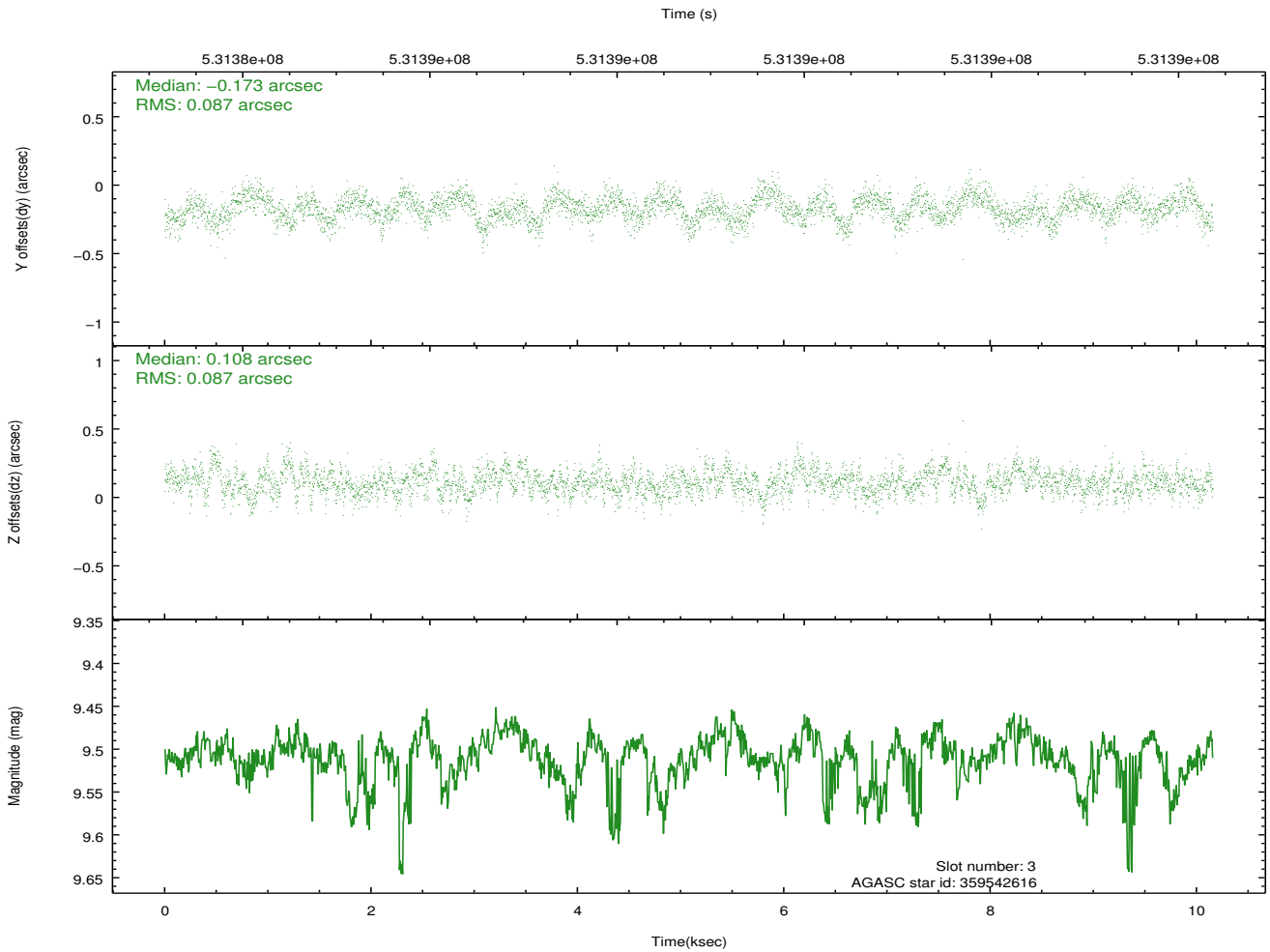
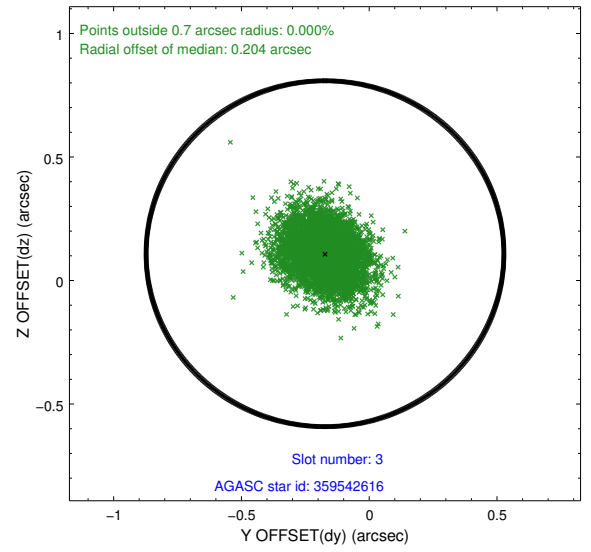
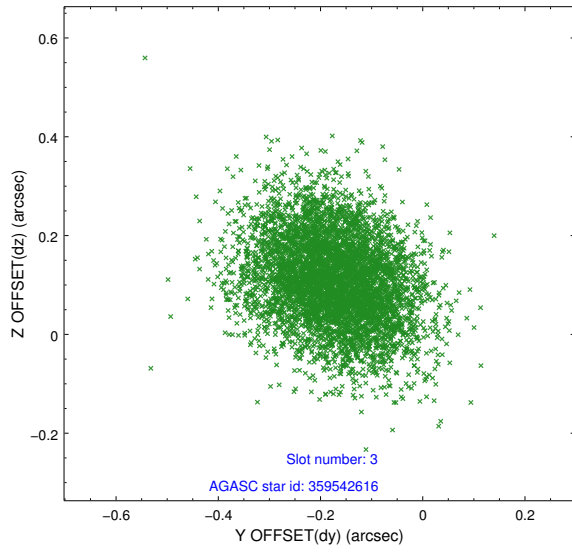


Slot Statistics

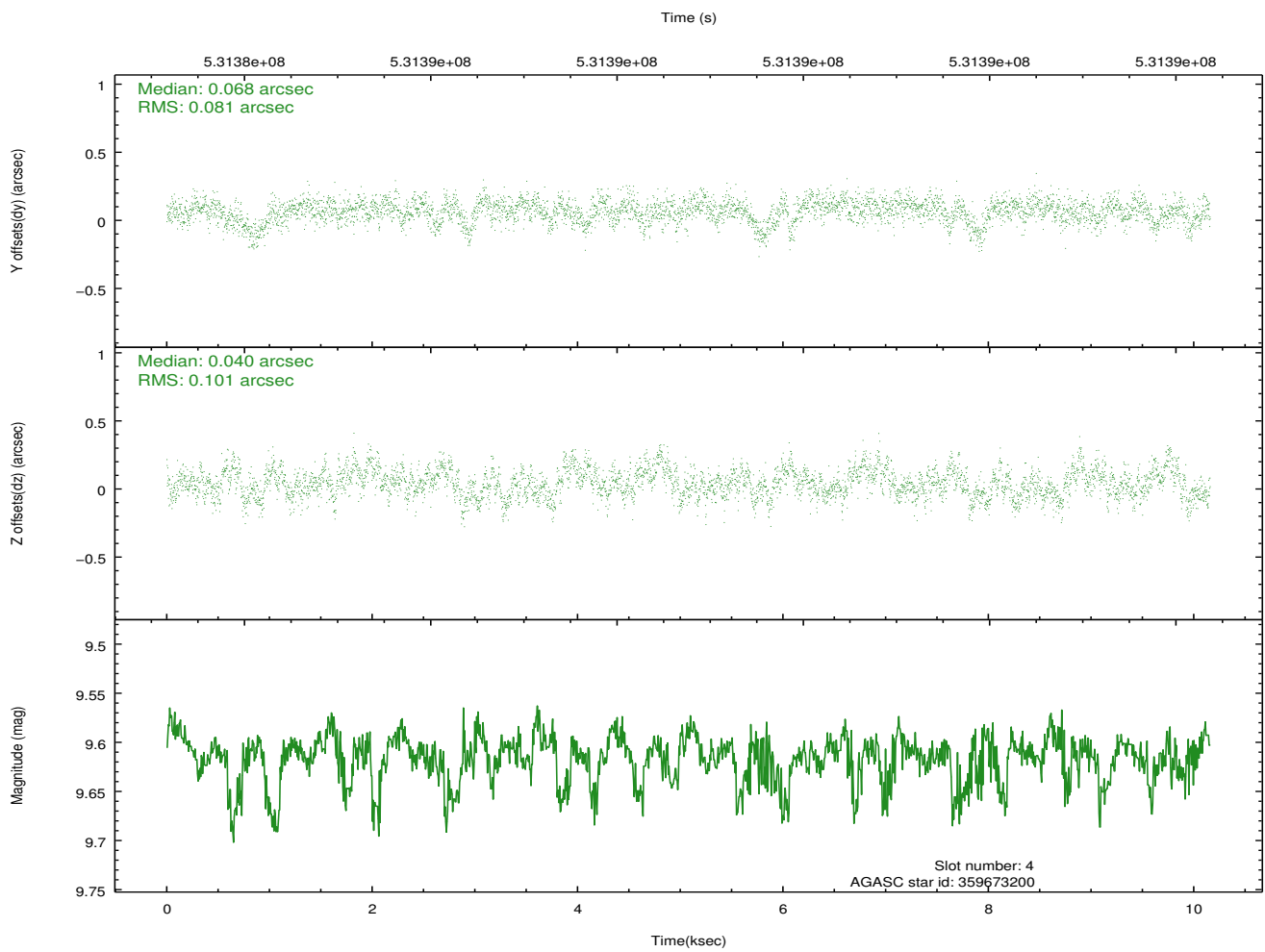
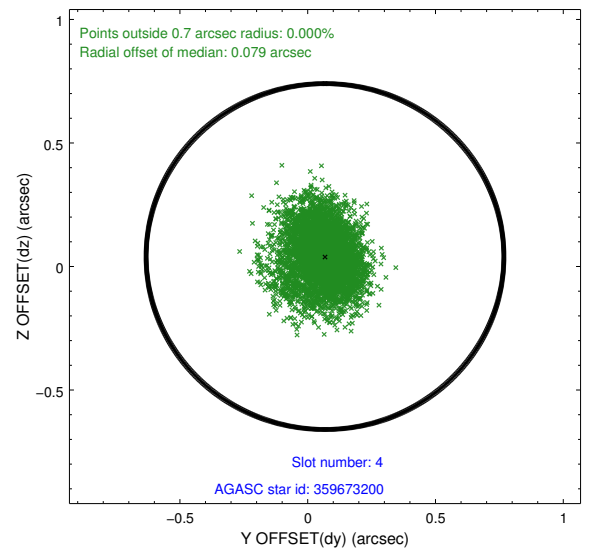
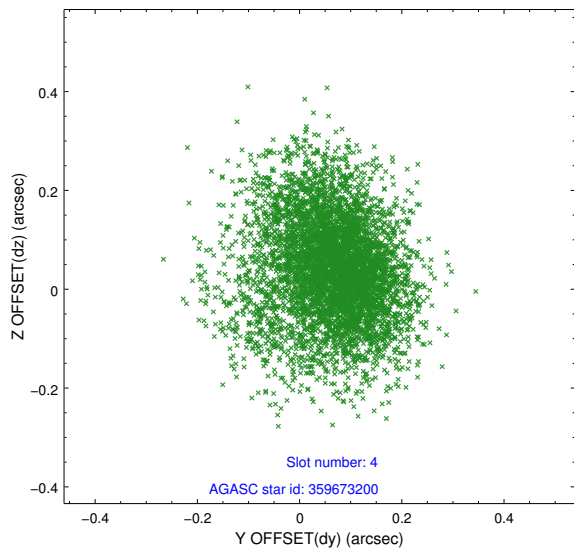
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.07	2478	0.034	-0.017	0.027	0.044	0.000000	0.000000	919.20	-1739.41
1	FID		ACIS-S-4	7.07	2477	0.242	-0.003	0.018	0.025	0.000000	0.000000	2137.11	164.22
2	FID		ACIS-S-5	7.10	2478	-0.302	0.032	0.014	0.029	0.000000	0.000000	-1829.34	158.44
3	GUIDE	used	359542616	9.51	4951	-0.173	0.108	0.131	0.212	339.585370	35.009667	-2154.51	779.69
4	GUIDE	used	359673200	9.61	4951	0.068	0.040	0.138	0.231	339.787045	34.849352	-1631.46	1423.53
5	GUIDE	used	359540136	8.81	4953	0.027	0.005	0.090	0.140	339.014971	34.618247	-609.87	-783.22
6	GUIDE	used	359541464	8.69	4954	0.061	0.034	0.092	0.147	339.073218	34.654496	-753.91	-621.97
7	GUIDE	used	359668200	9.42	4947	0.026	-0.190	0.127	0.209	339.828324	34.777783	-1385.43	1566.73

2.4 Star Slots

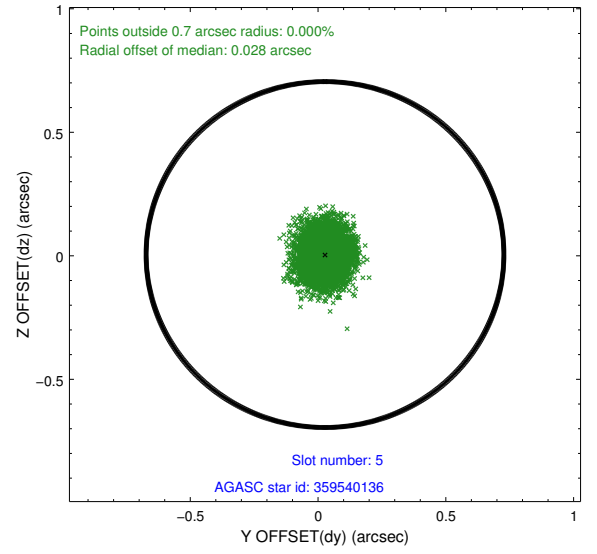
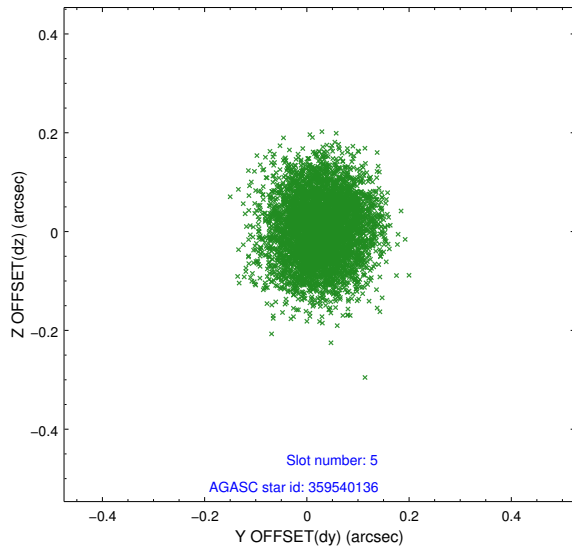
2.4.1 Slot 3



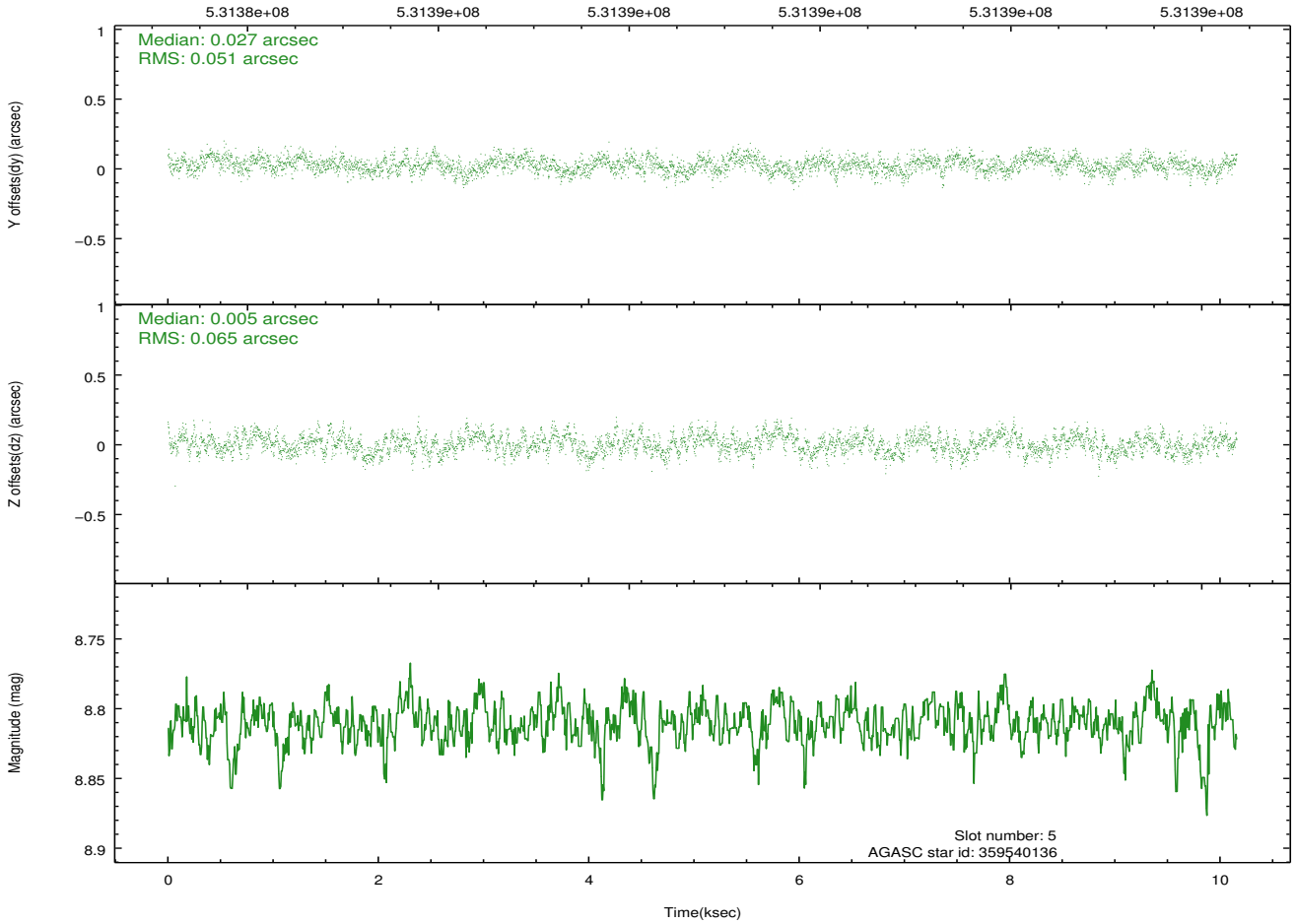
2.4.2 Slot 4



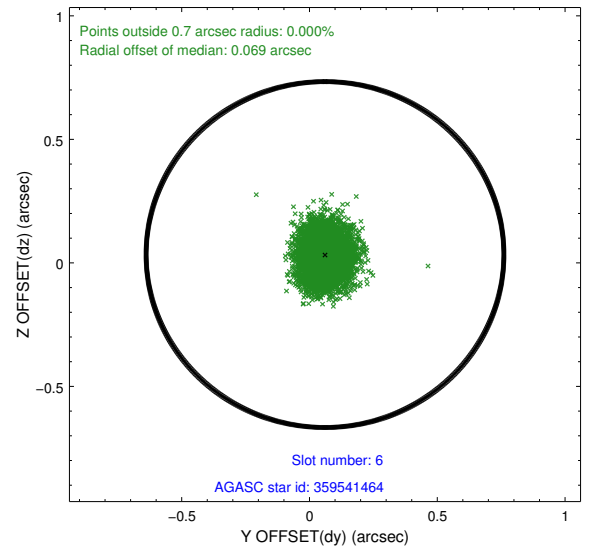
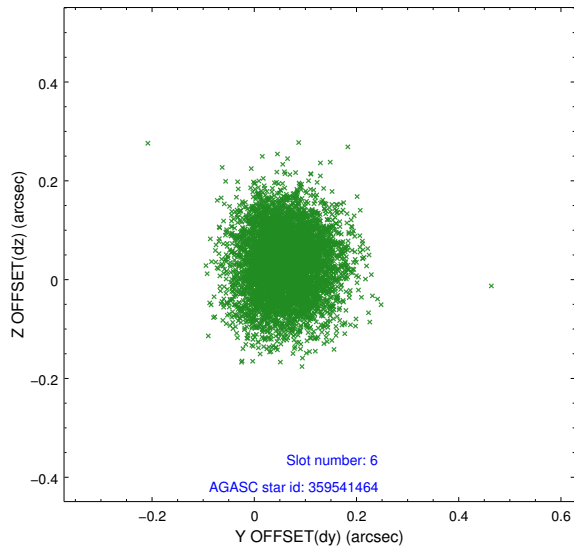
2.4.3 Slot 5



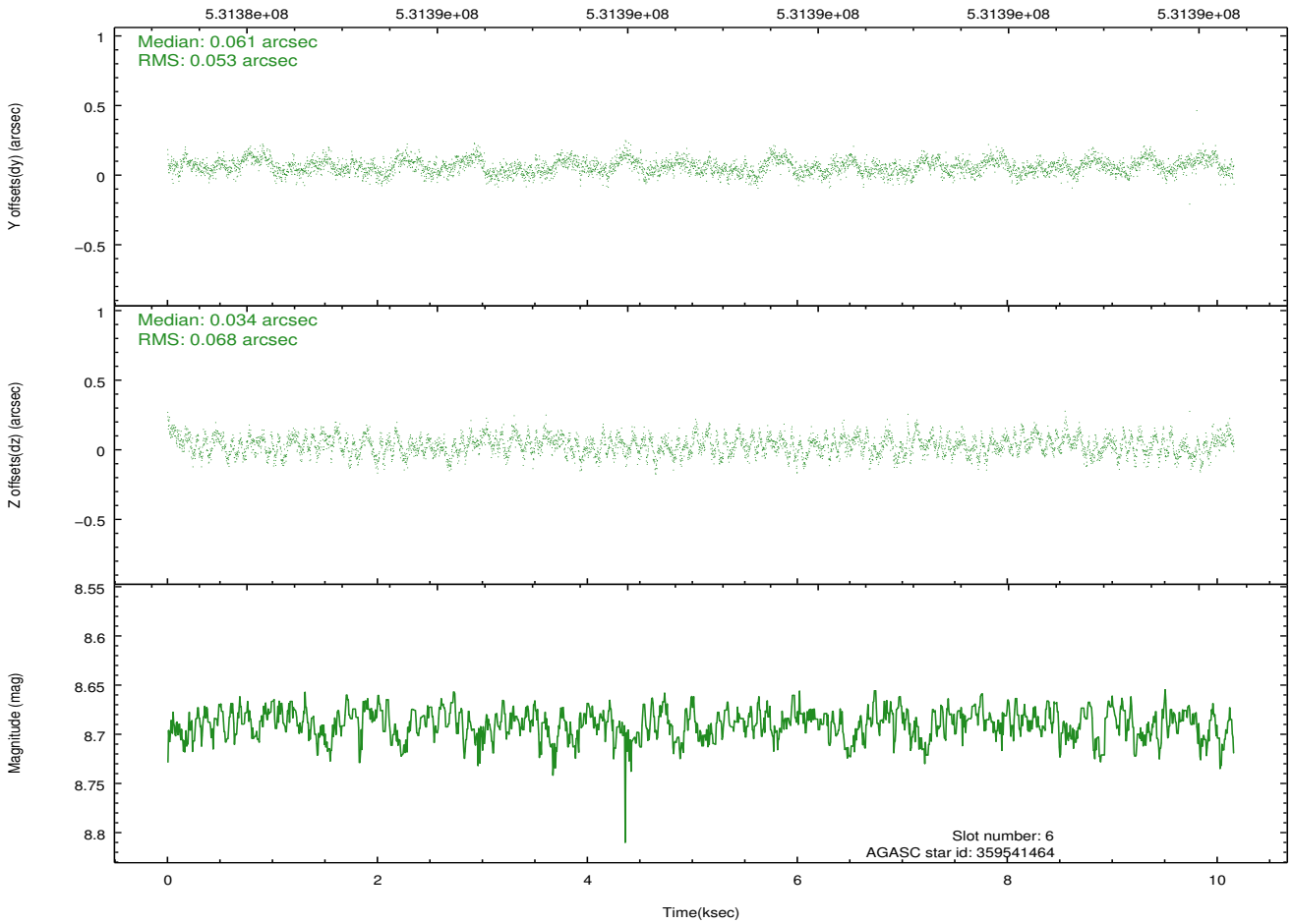
Time (s)



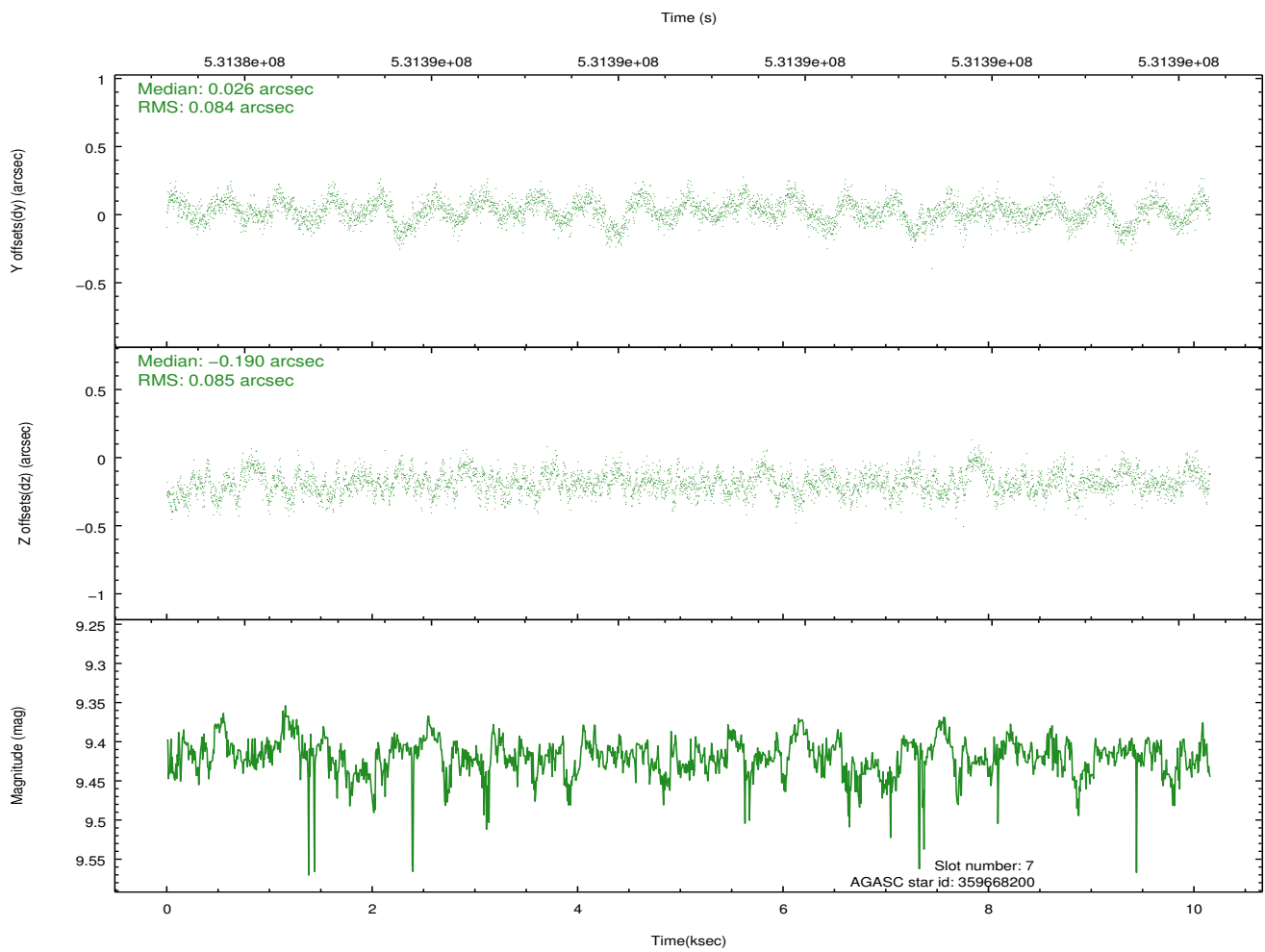
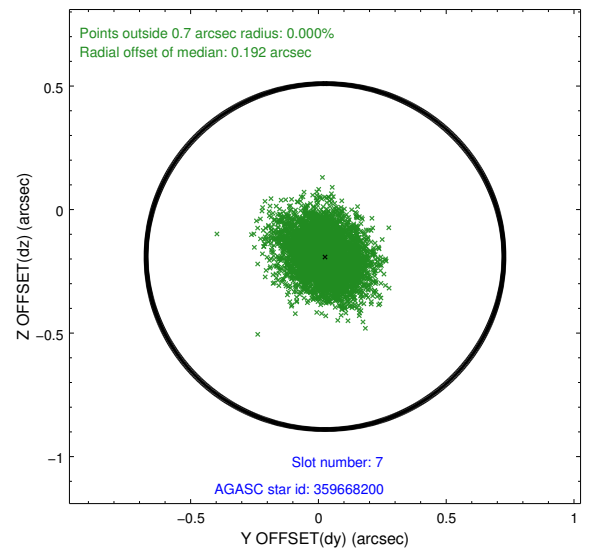
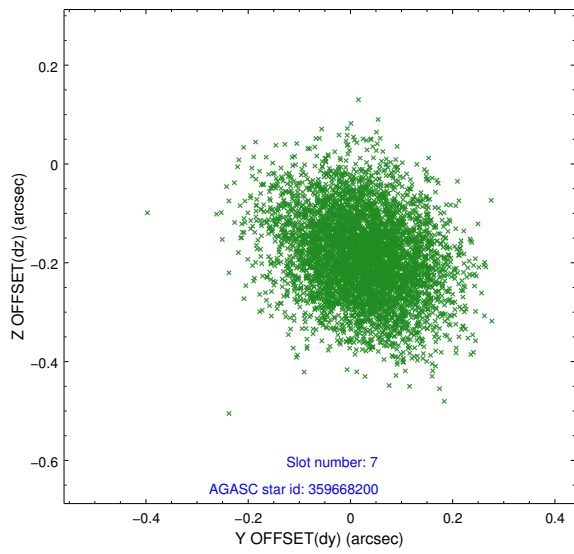
2.4.4 Slot 6



Time (s)

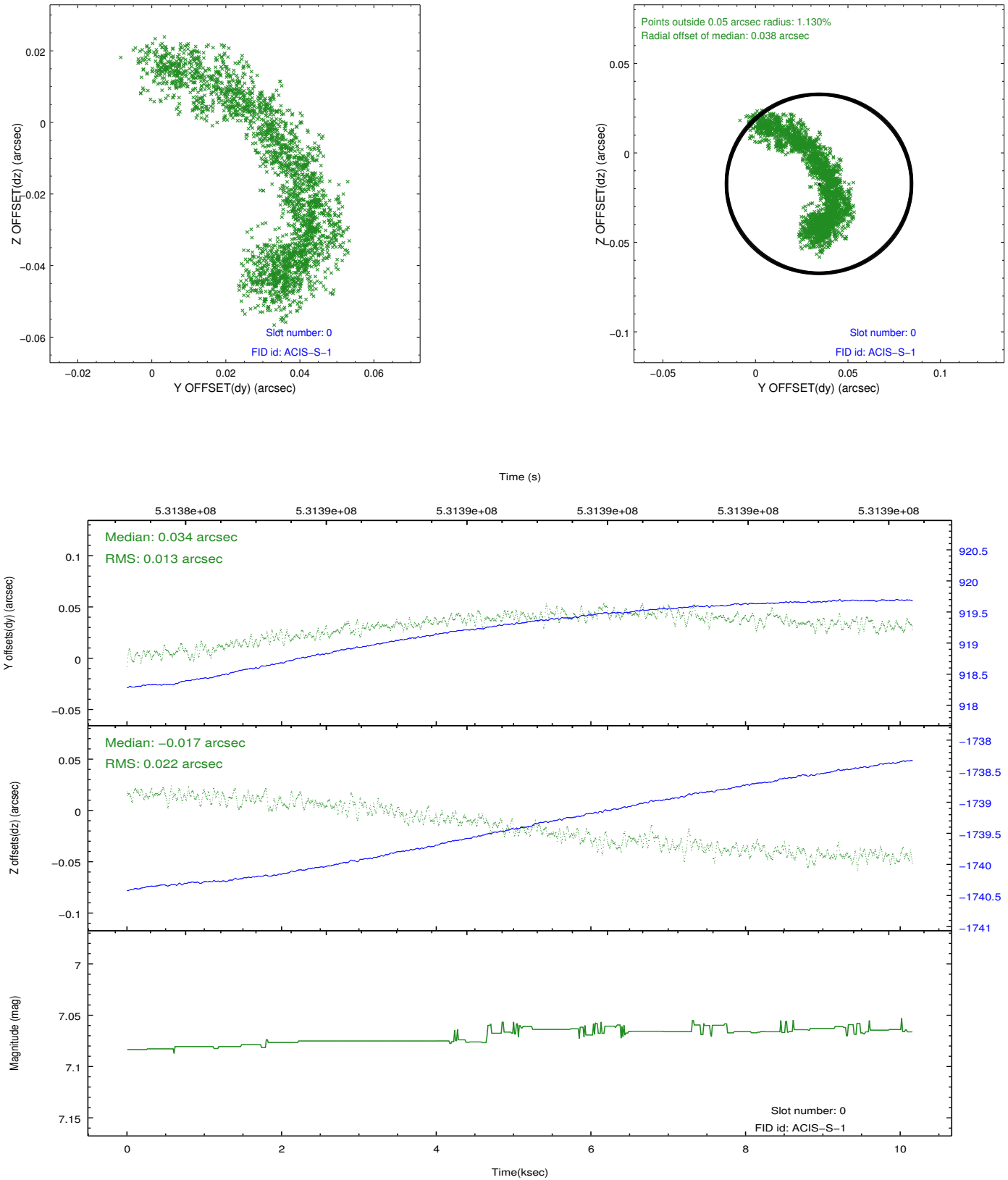


2.4.5 Slot 7

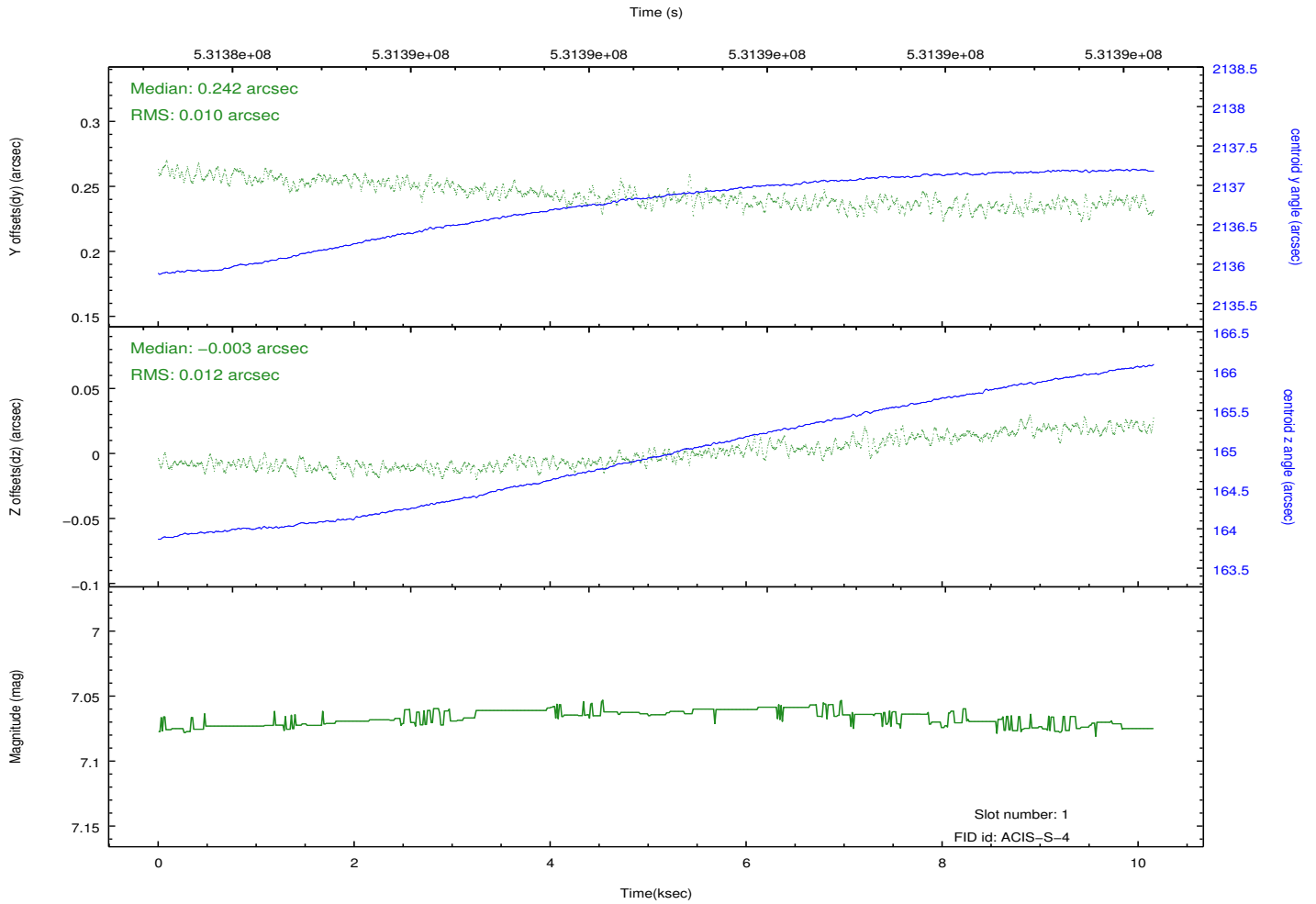
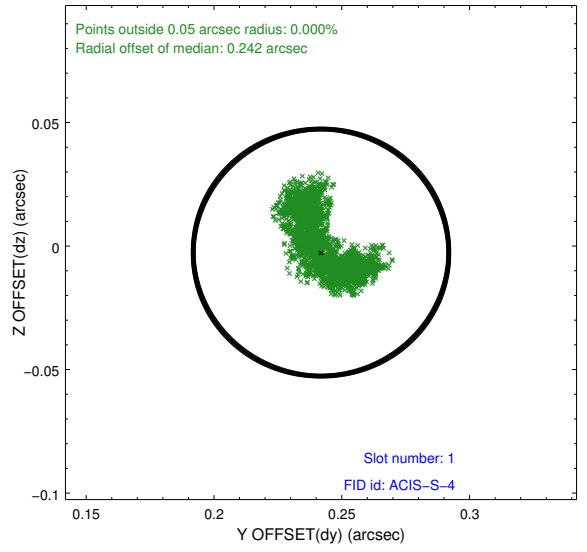
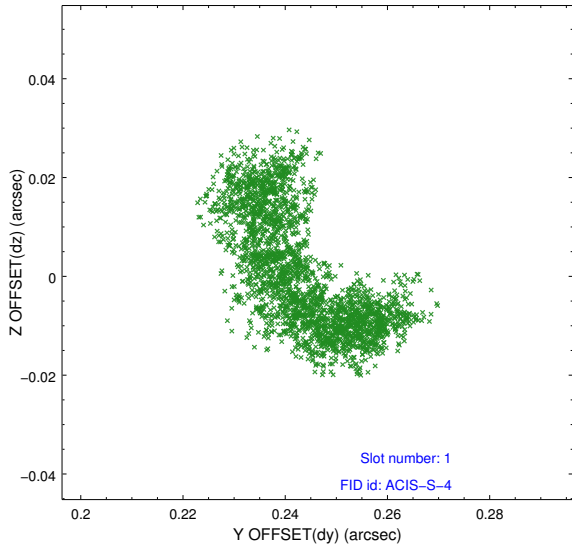


2.5 FID Slots

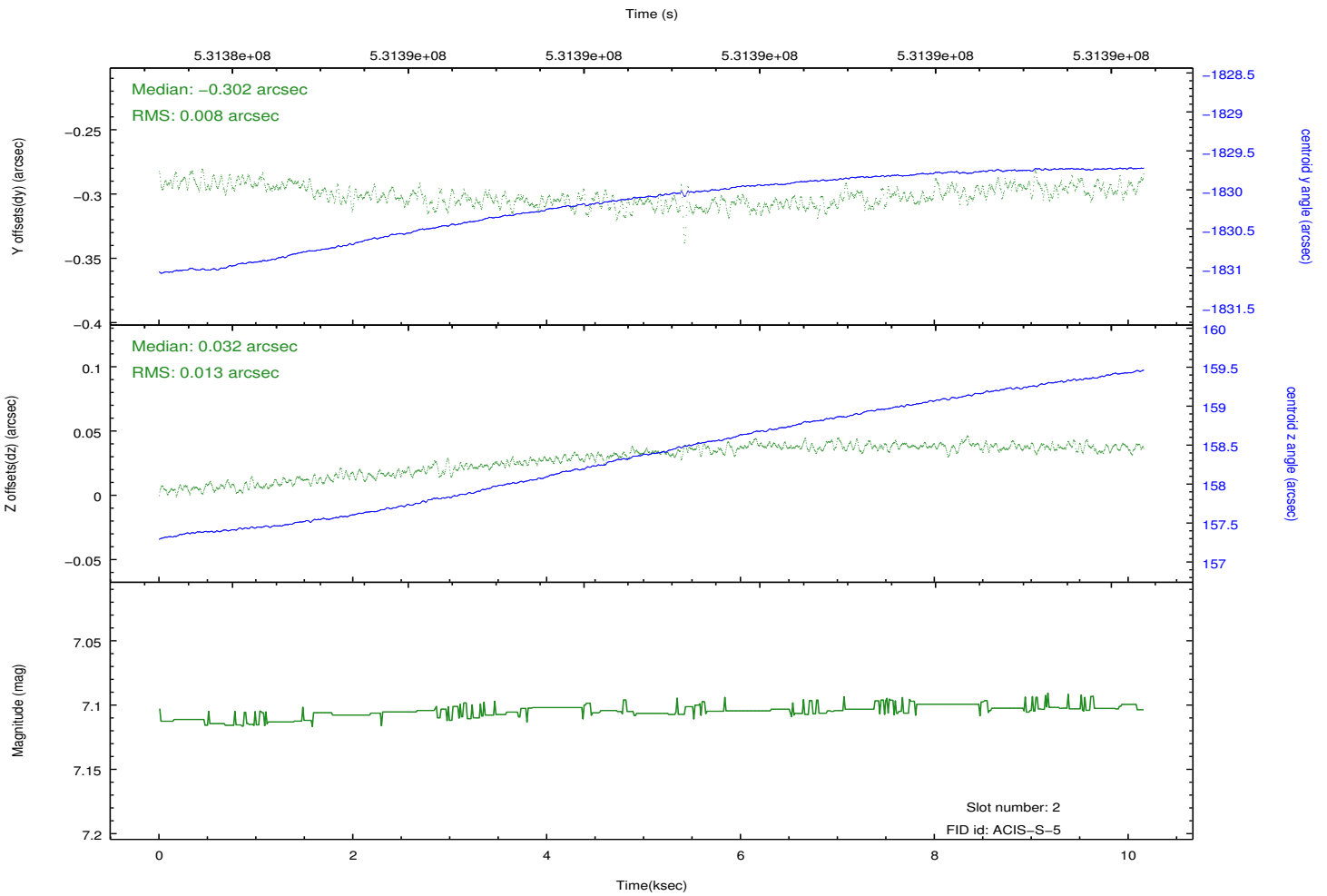
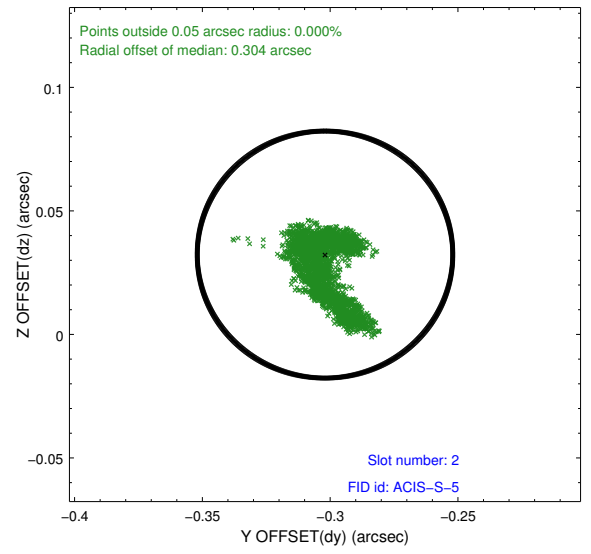
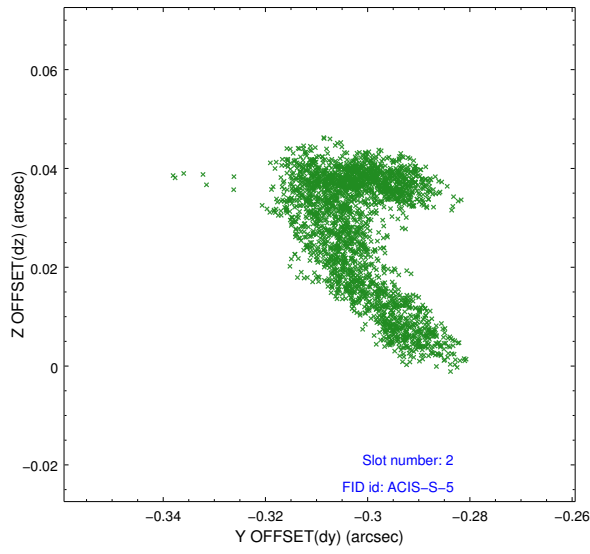
2.5.1 Slot 0



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)	2014.11.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.062071801305

A.2 Comments