

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17454 - L2 Version 1
Chandra X-Ray Center

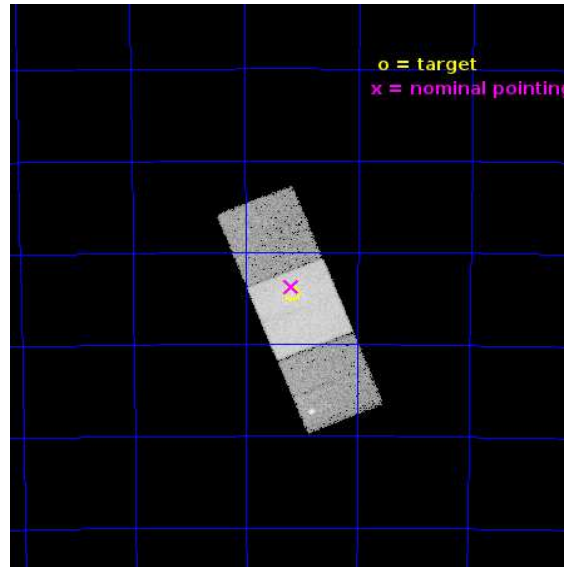
L2 Processing Date : Sep 26 2015

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1 Front

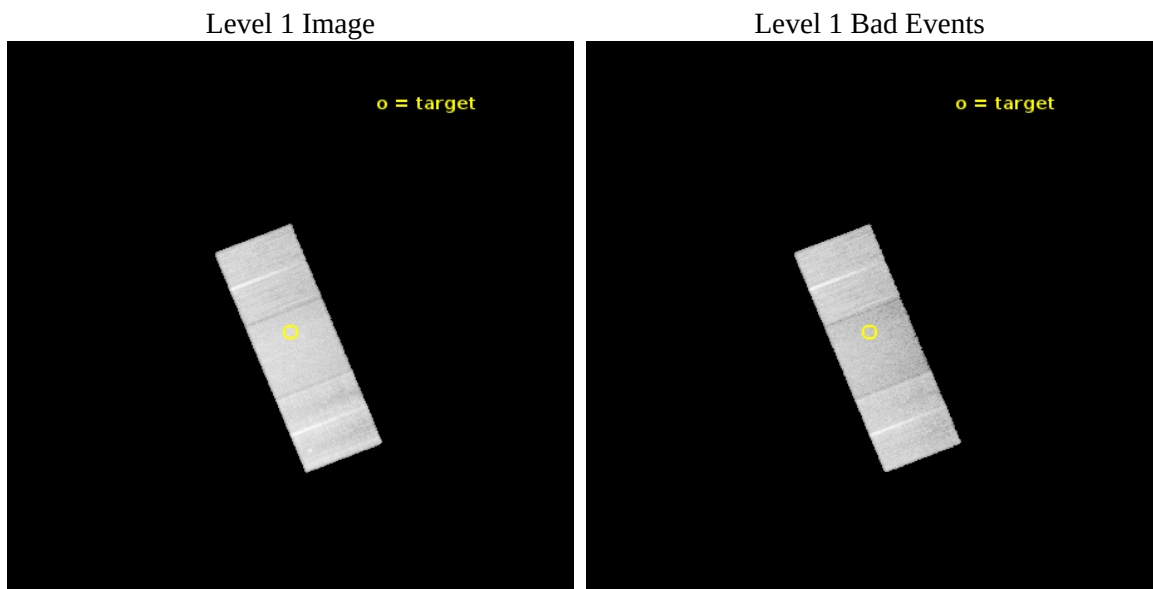
seq_num	502481	Sequence number
obs_id	17454	Observation id
title	A High Resolution Study of SNR 0453-669	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	SNR 0453-669	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	73.291667	Observer's specified target RA [deg]
dec_targ	-66.908889	Observer's specified target Dec [deg]
ra_nom	73.295546317391	Nominal RA [deg]
dec_nom	-66.895981582476	Nominal Dec [deg]
roll_nom	68.160189188755	Nominal Roll [deg]
revision	1	Processing version of data
ontime	33380.800256848	Sum of GTIs [s]
livetime	32944.655526905	Livetime [s]
ontime6	33380.800256848	Sum of GTIs [s]
ontime7	33380.800256848	Sum of GTIs [s]
ontime8	33377.659296632	Sum of GTIs [s]
l2events	122576	Number of level 2 events



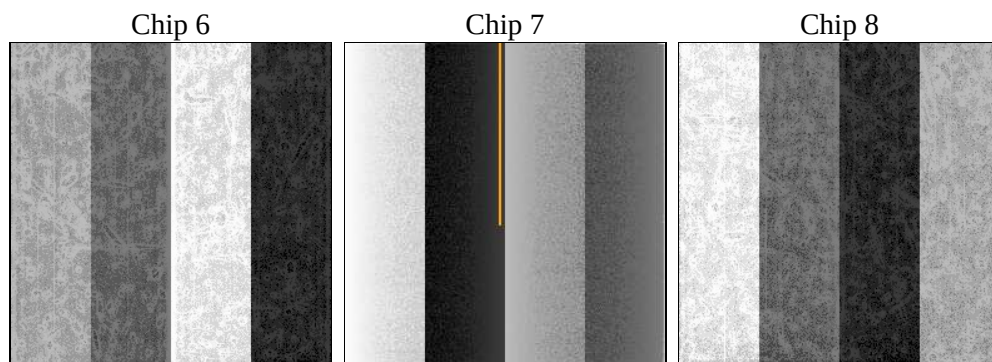
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	33305.092000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	33380.800256848	Sum of GTIs [s]
caldsver	4.6.8	 	ontime6	33380.800256848	Sum of GTIs [s]
date	2015-09-26T22:12:36	Date and time of file creation	ontime7	33380.800256848	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	33377.659296632	Sum of GTIs [s]
			l1events	565451	Number of level 1 events

2.1.4 Events

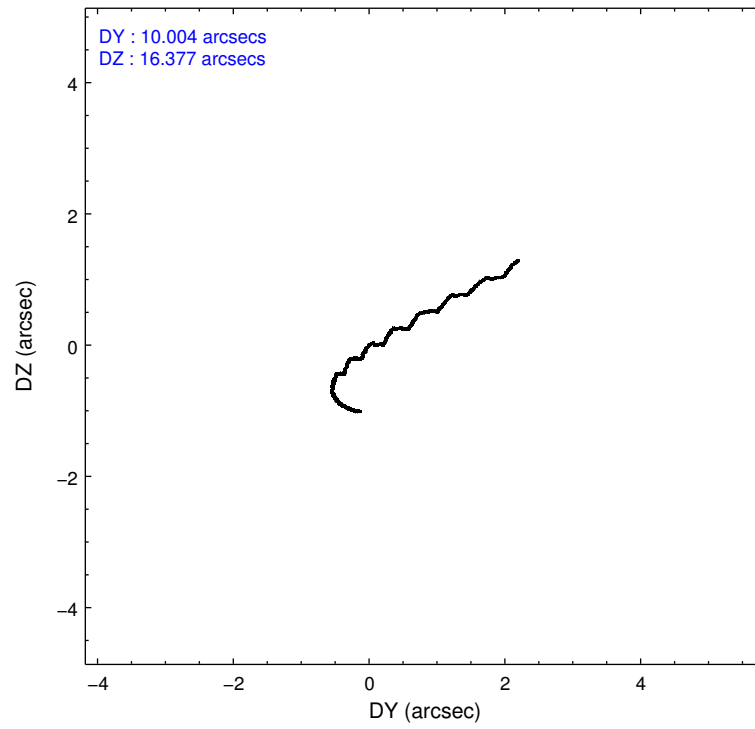
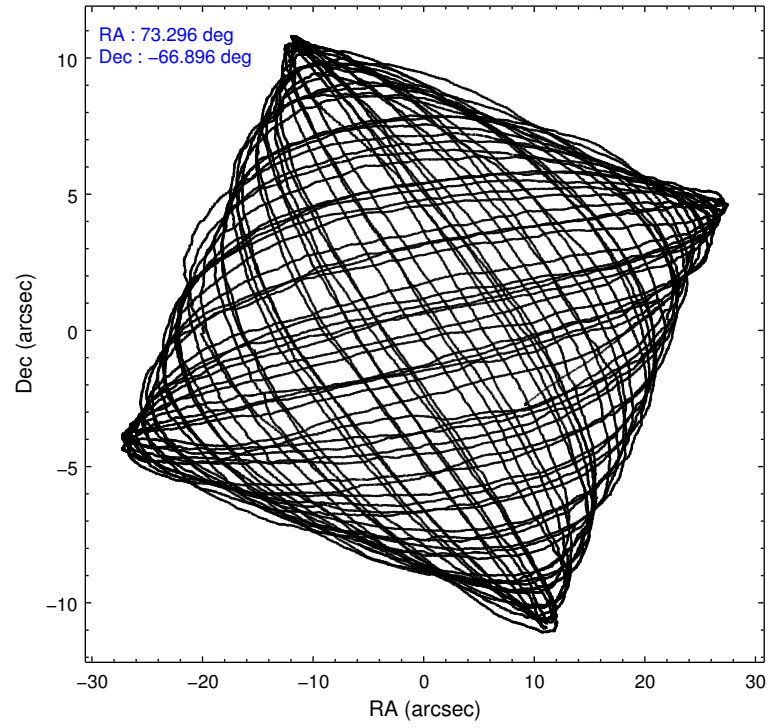
	ccd 6	ccd 7	ccd 8
level 1 events	166502	187839	211110
rejected events	147233	98883	151804
rejected %	88%	52%	71%

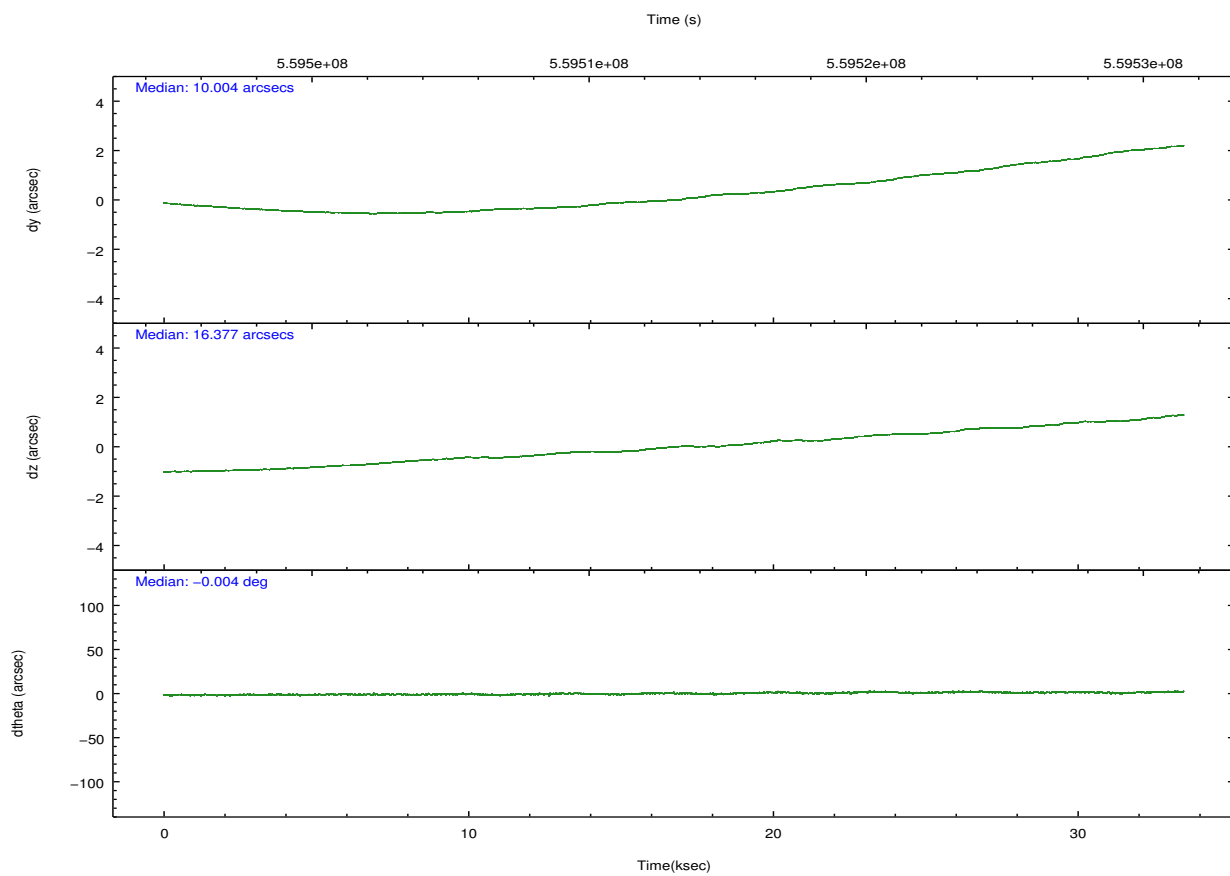
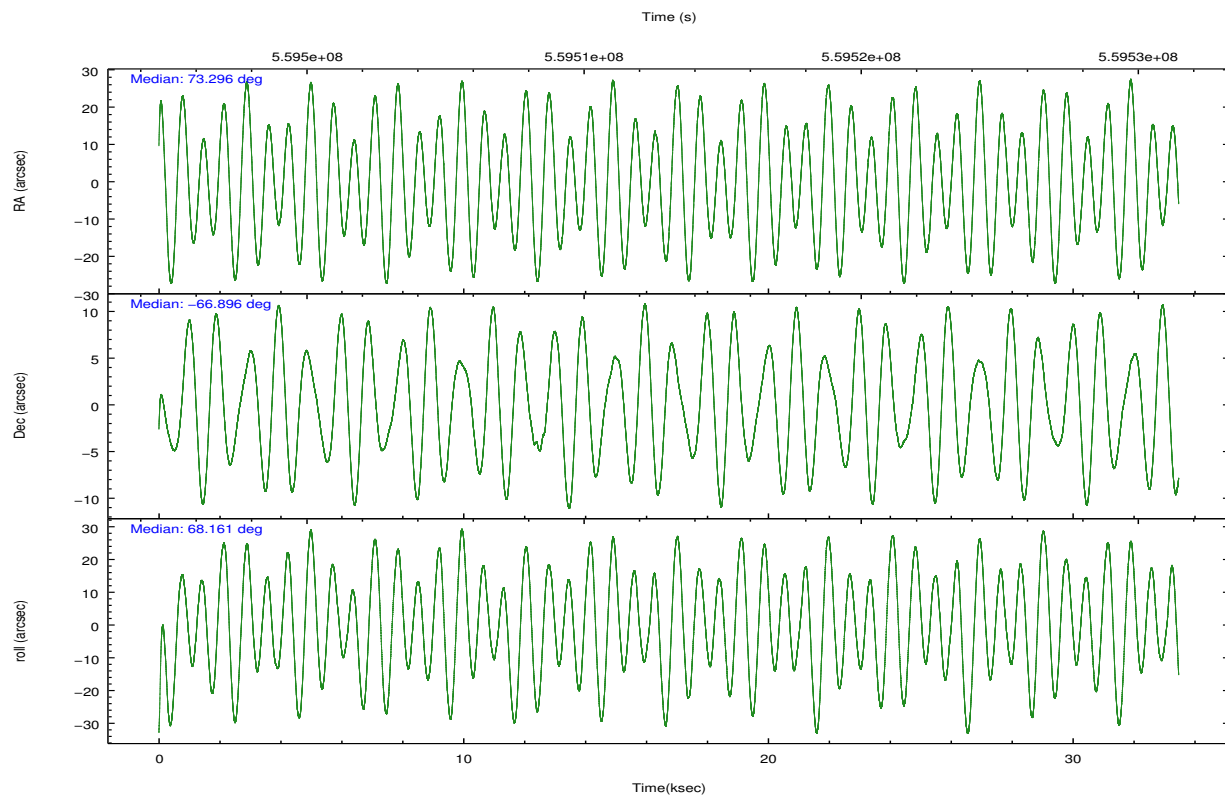
	ccd 6	ccd 7	ccd 8
grade 0 events	6824	8749	16736
	4%	4%	7%
grade 1 events	73	267	152
	0%	0%	0%
grade 2 events	4405	19415	14427
	2%	10%	6%
grade 3 events	1901	7387	6415
	1%	3%	3%
grade 4 events	1792	7184	5954
	1%	3%	2%
grade 5 events	6785	18855	11034
	4%	10%	5%
grade 6 events	4351	46233	15778
	2%	24%	7%
grade 7 events	140371	79749	140614
	84%	42%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	73.306386	73.2955463173905	CCD I2 on	N	N
[deg] Pointing Dec	-66.923096	-66.89598158247631	CCD I3 on	N	N
[deg] Pointing Roll	68.013538	68.16018918875504	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	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	O1	Y
[s] Observation start time (MET)	559496480.184000	559495377.87114	CCD S5 on	N	N
Observation start date	2015-09-24T15:40:12	2015-09-24T15:22:57	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	559529785.184000	559530005.9606	On-chip summing requested	N	N
Observation end date	2015-09-25T00:55:17	2015-09-25T01:00:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



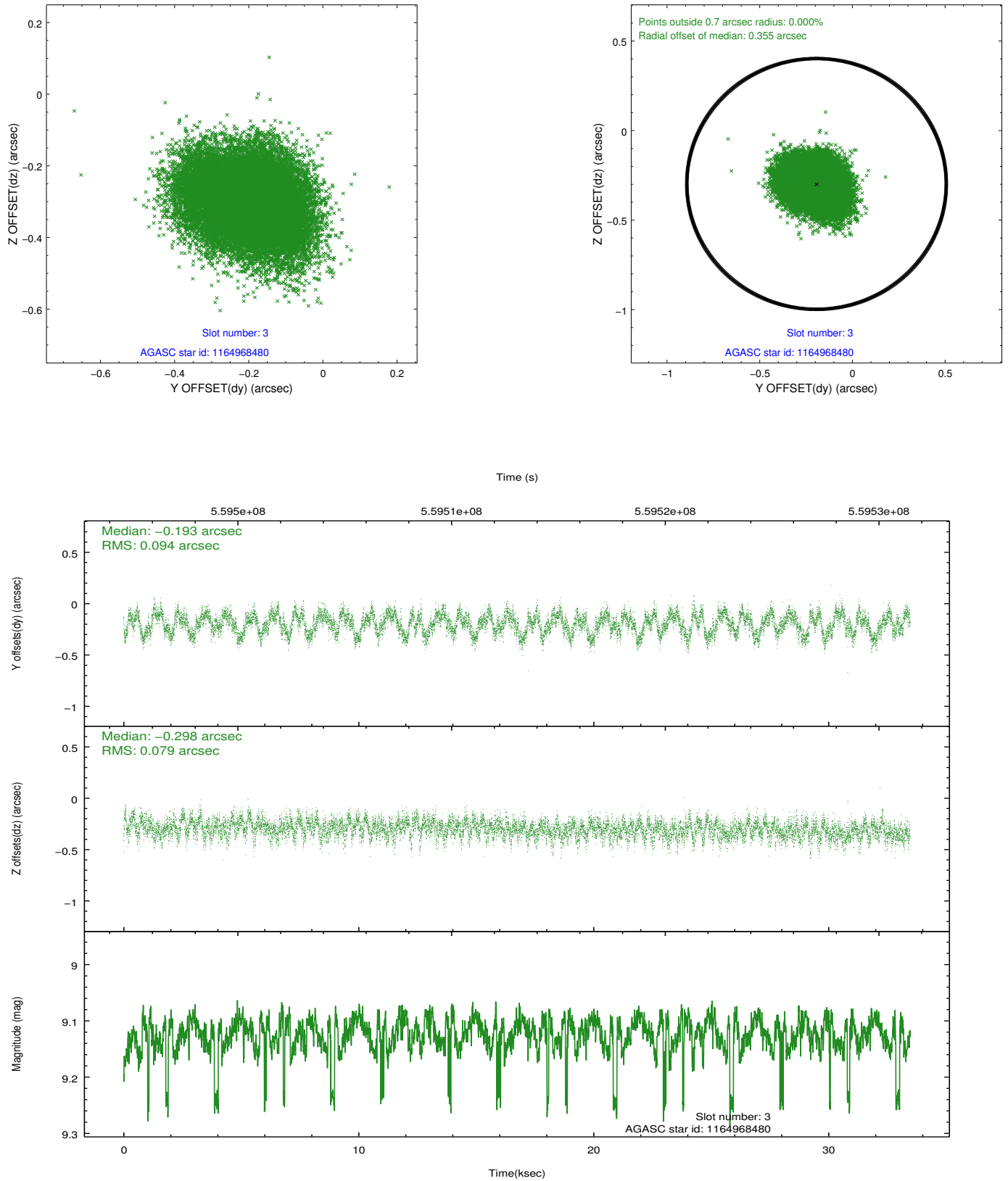


Slot Statistics

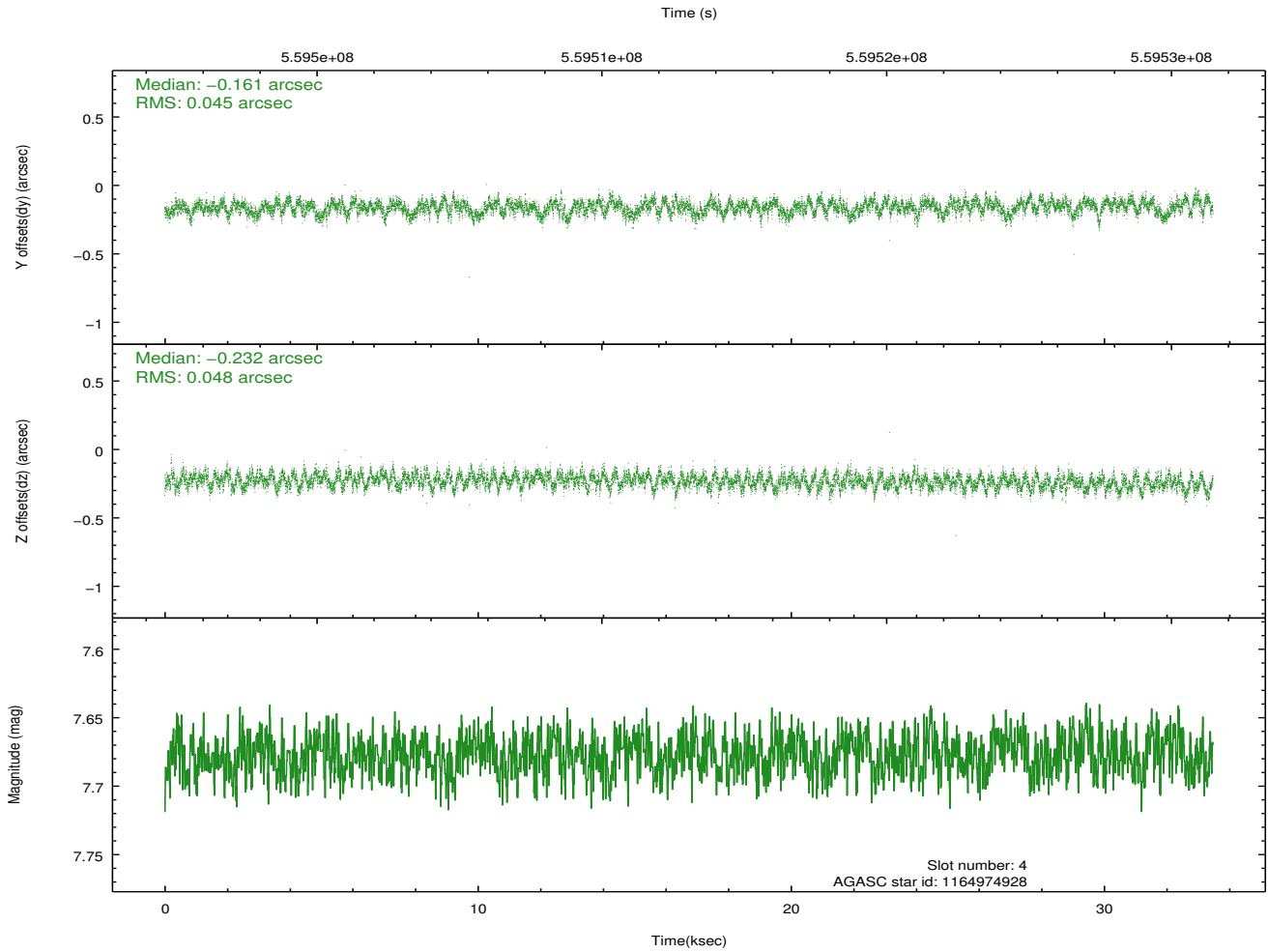
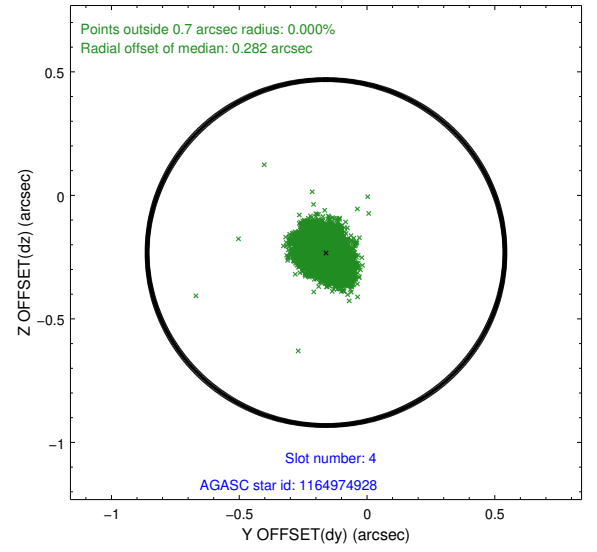
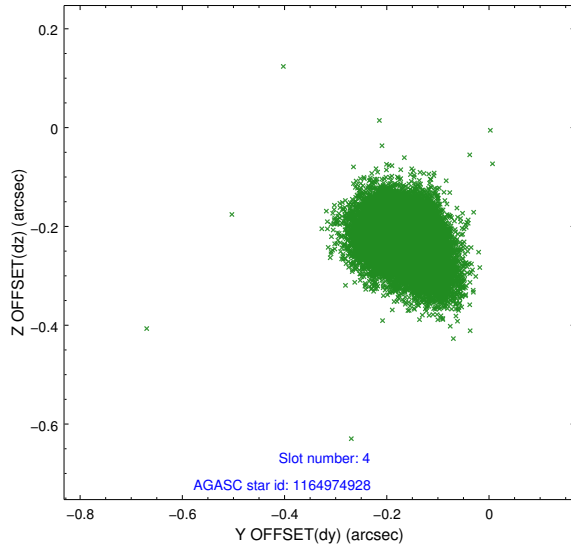
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	8164	-0.148	-0.087	0.018	0.054	0.000000	0.000000	-763.32	-1737.79
1	FID		ACIS-S-4	7.22	8164	0.408	0.095	0.016	0.027	0.000000	0.000000	2150.47	170.85
2	FID		ACIS-S-5	7.23	8163	-0.294	-0.000	0.020	0.050	0.000000	0.000000	-1816.27	164.46
3	GUIDE	used	1164968480	9.12	16316	-0.193	-0.298	0.133	0.204	72.282043	-66.561249	647.61	1842.97
4	GUIDE	used	1164974928	7.68	16326	-0.161	-0.232	0.070	0.113	72.355624	-66.830232	-203.37	1369.89
5	GUIDE	used	1165103000	9.63	16307	0.292	0.160	0.142	0.230	74.083726	-66.640675	1352.22	-650.57
6	GUIDE	used	1165103432	7.77	16323	-0.123	0.278	0.079	0.126	73.586938	-67.285414	-1063.73	-850.19
7	GUIDE	used	1164976824	9.43	16316	0.185	0.094	0.180	0.290	71.871556	-67.214987	-1744.34	1452.81

2.4 Star Slots

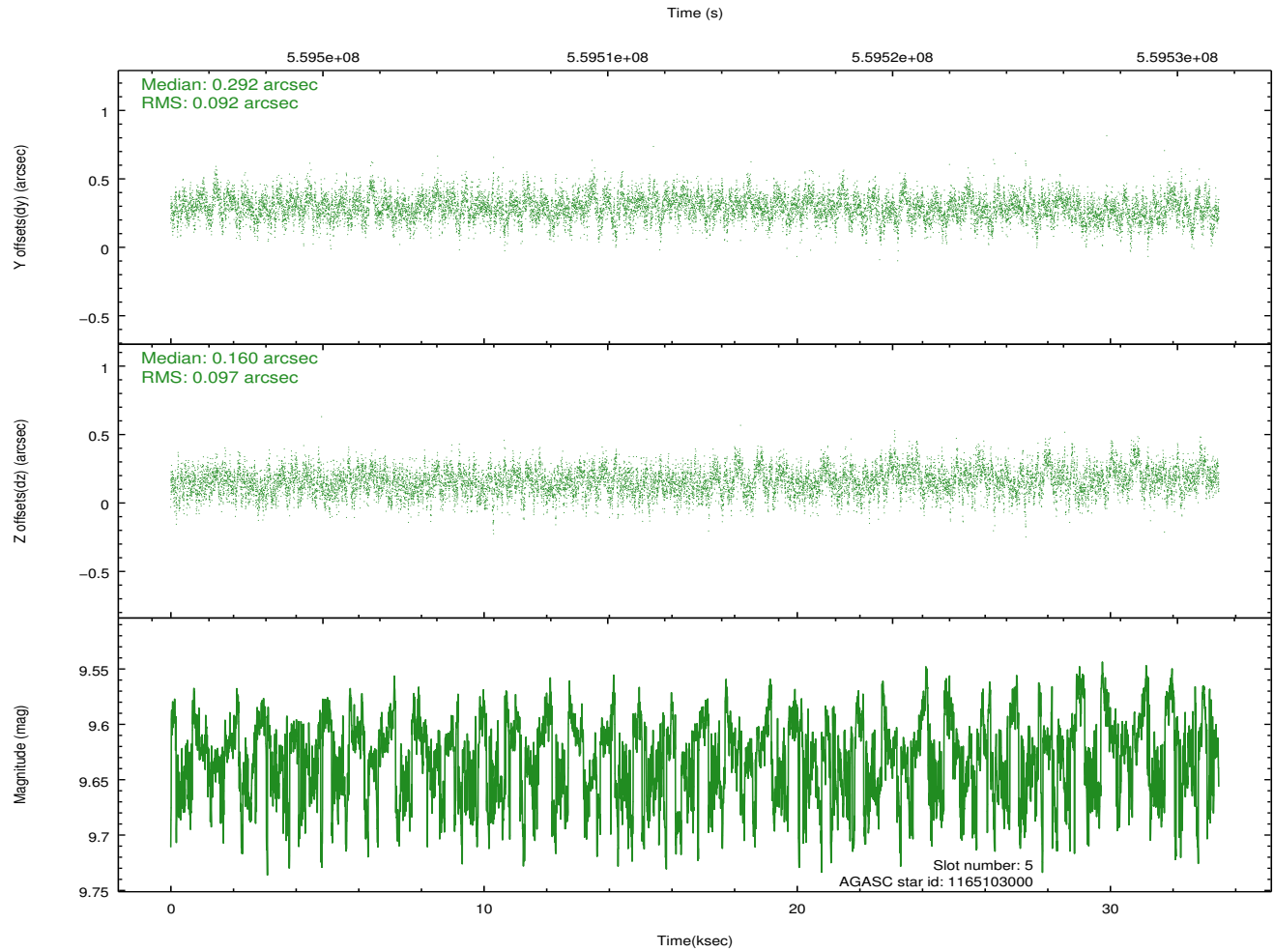
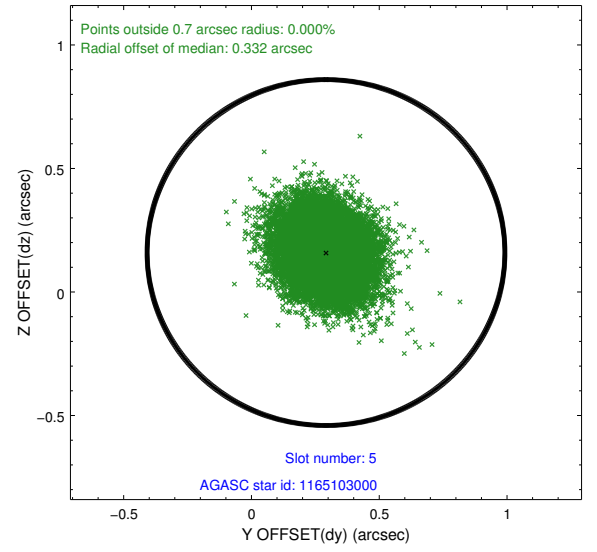
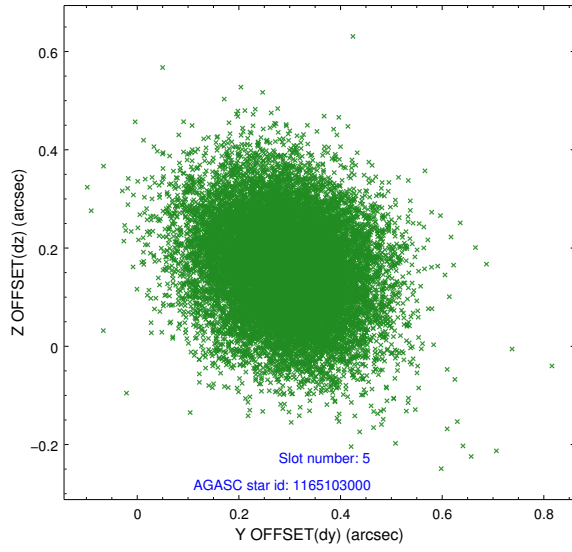
2.4.1 Slot 3



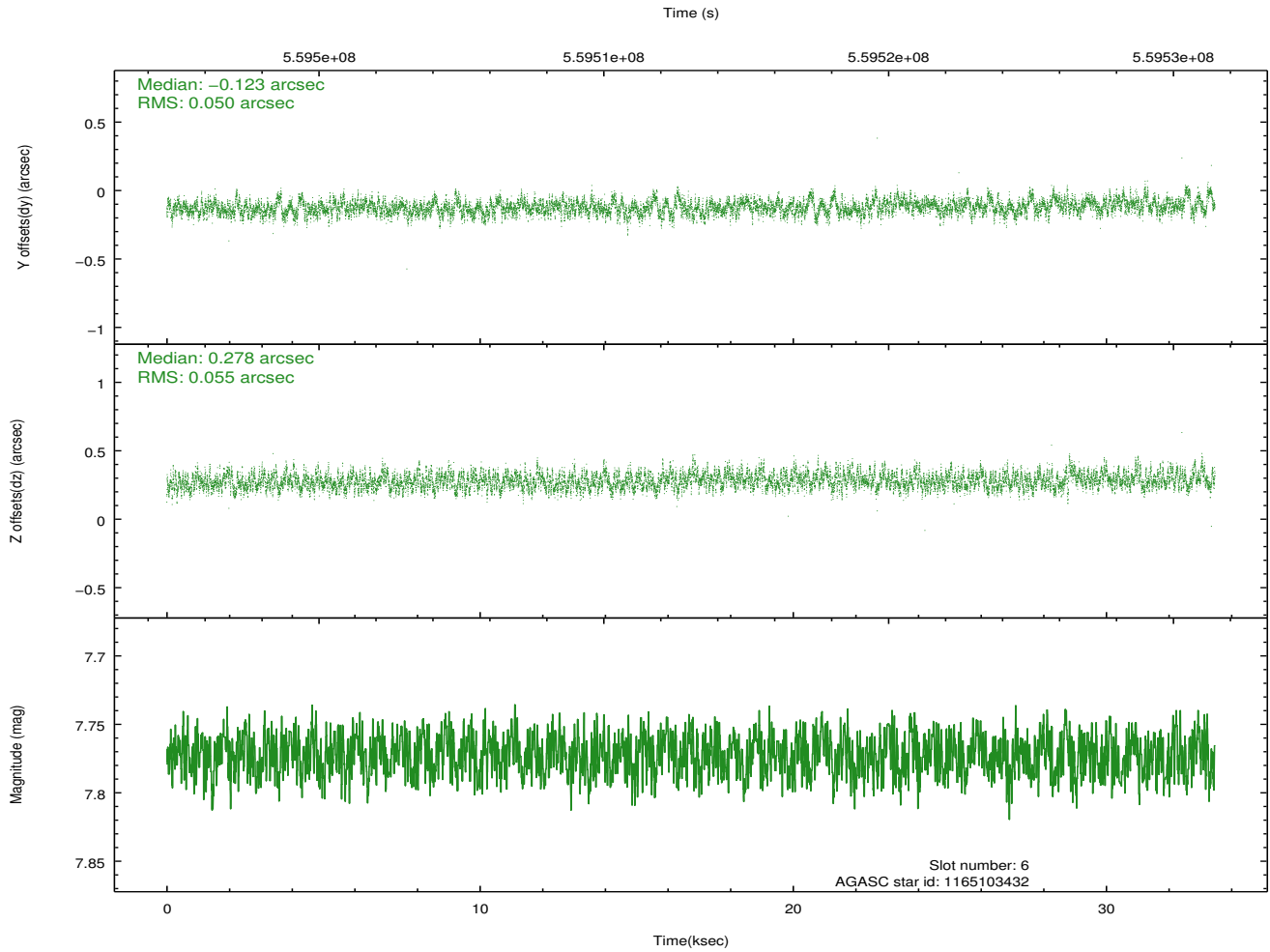
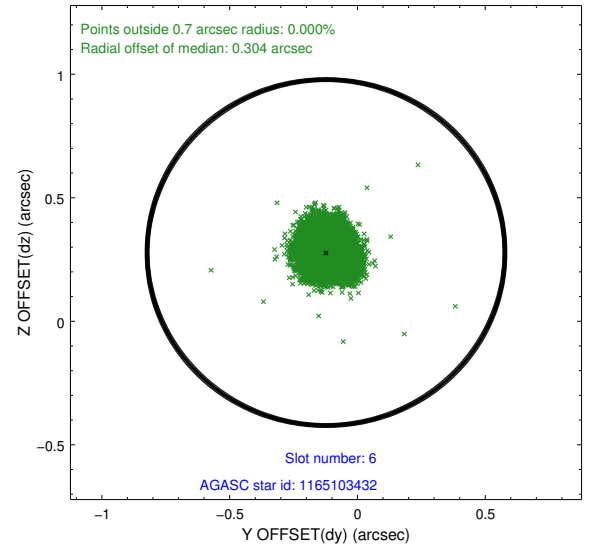
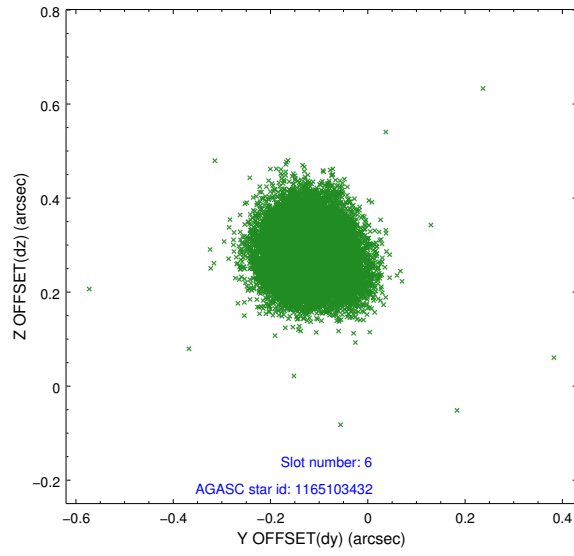
2.4.2 Slot 4



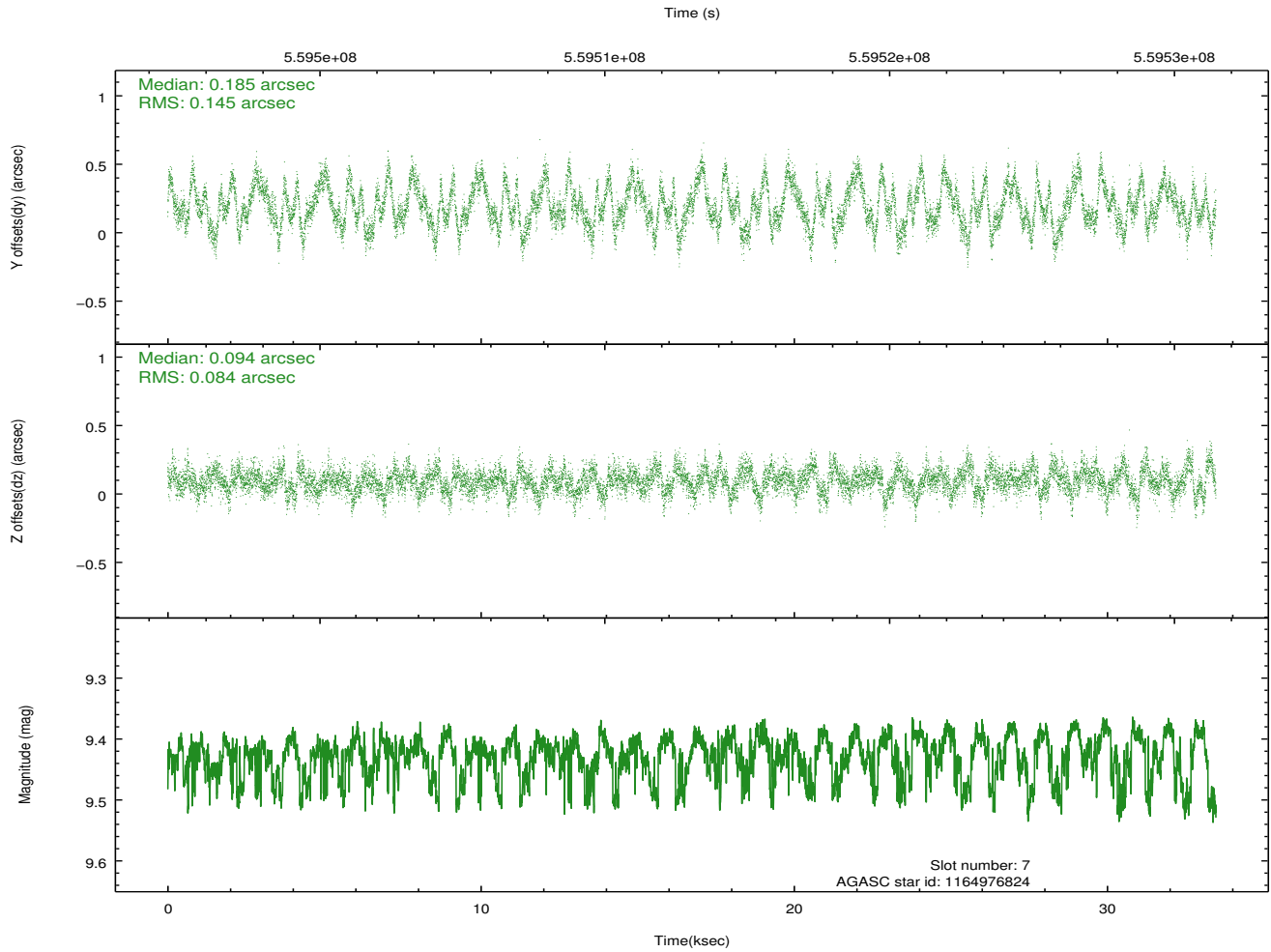
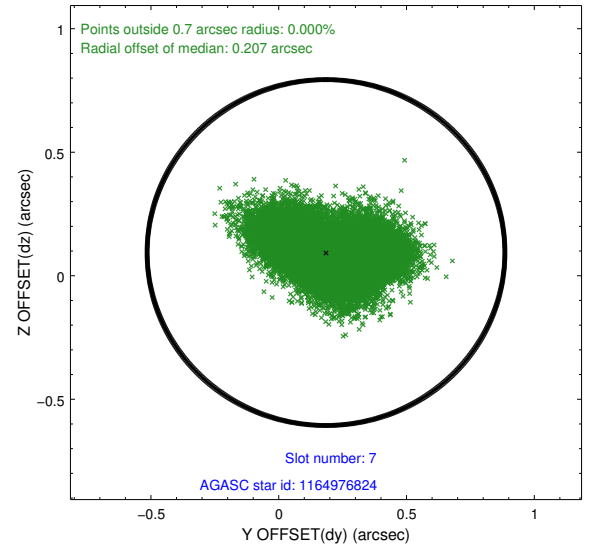
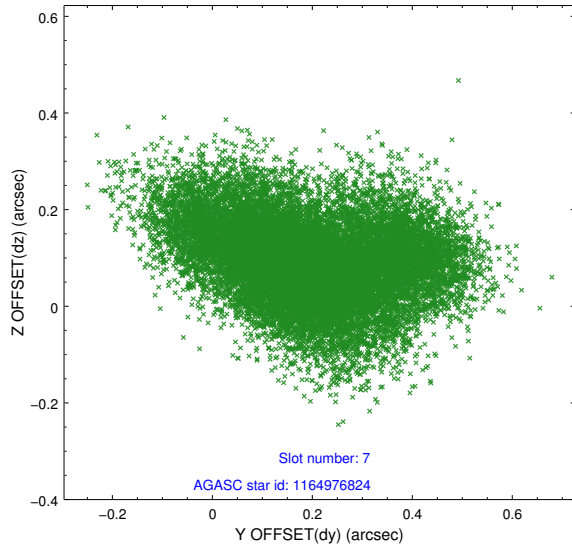
2.4.3 Slot 5



2.4.4 Slot 6

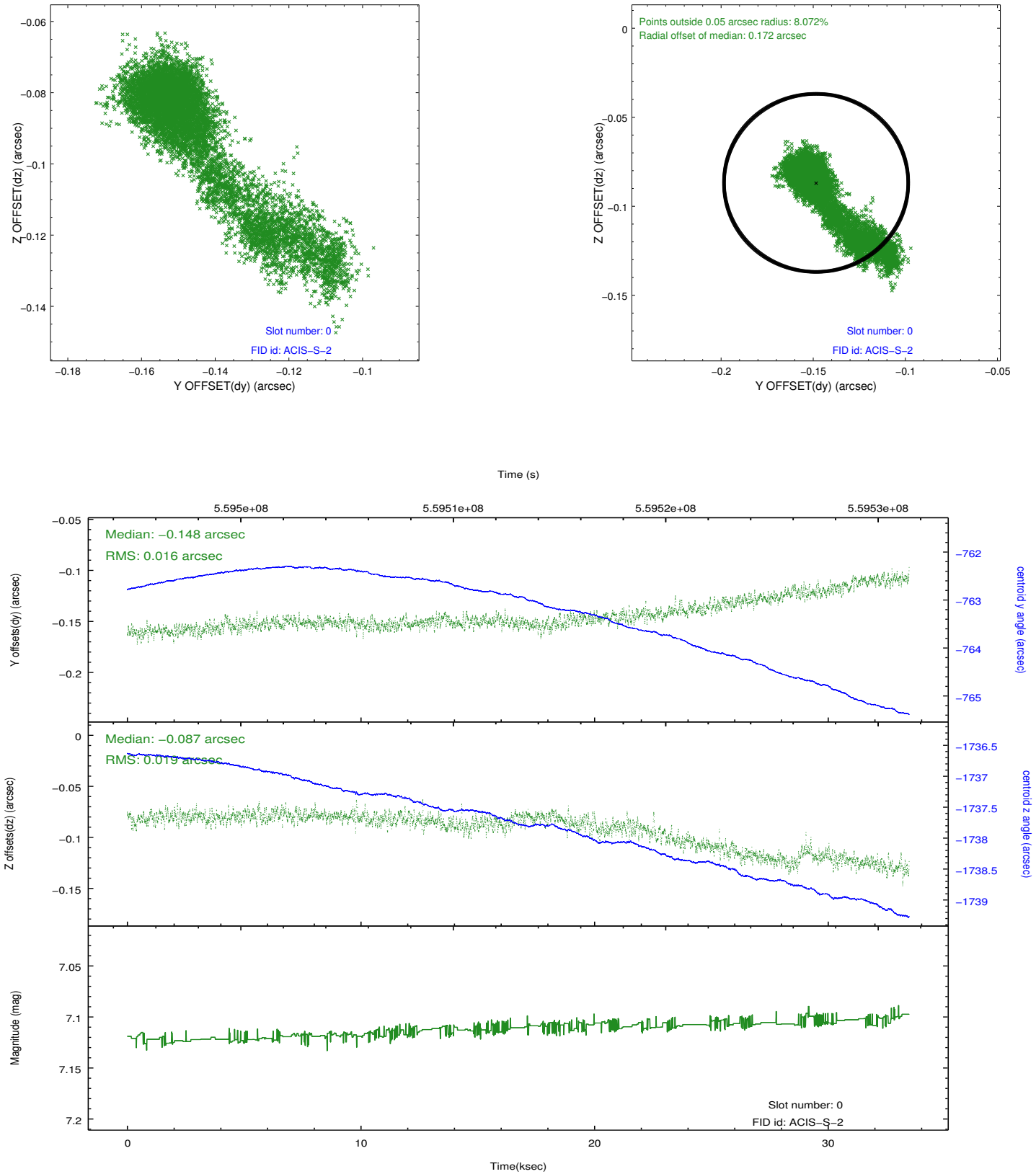


2.4.5 Slot 7

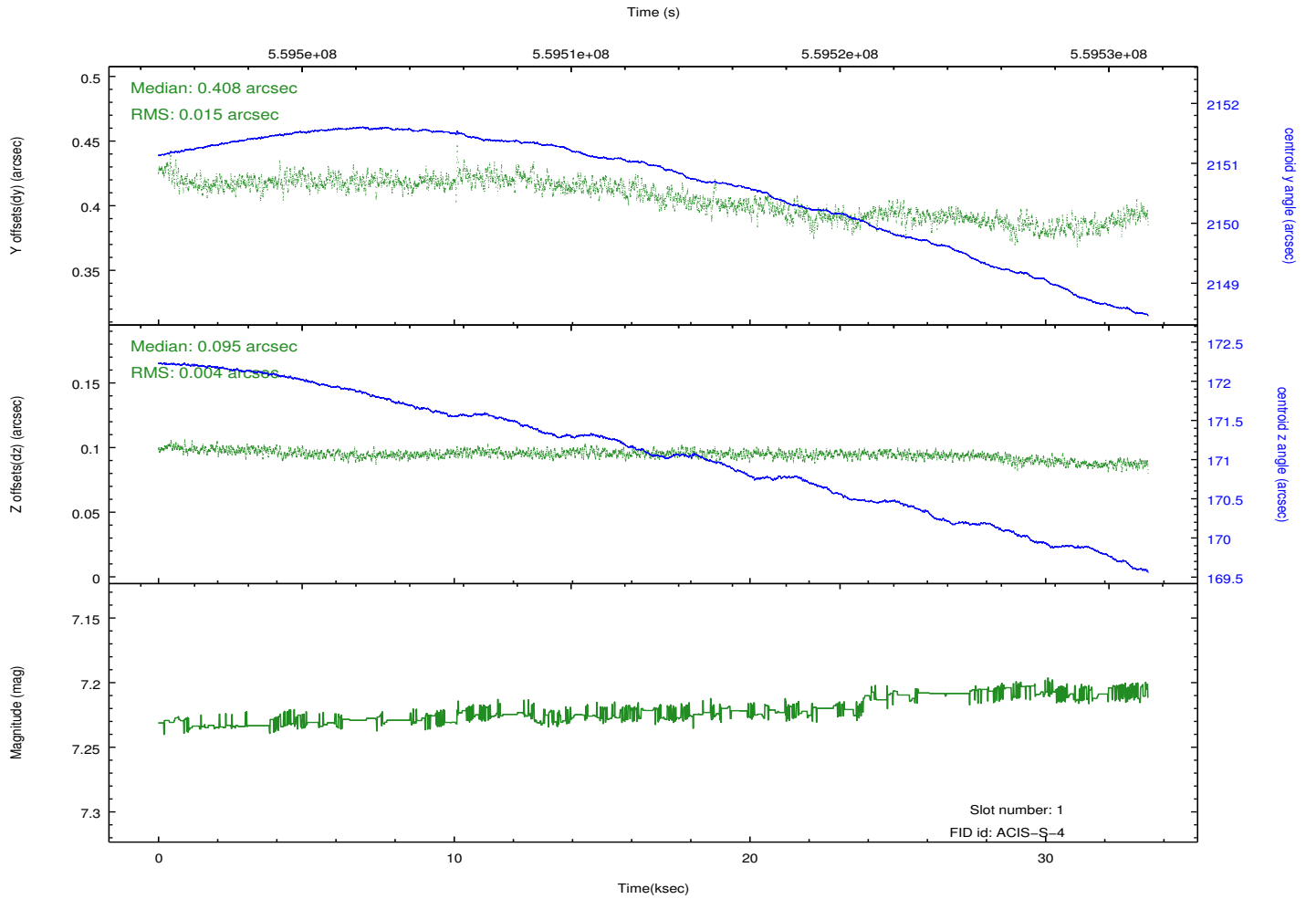
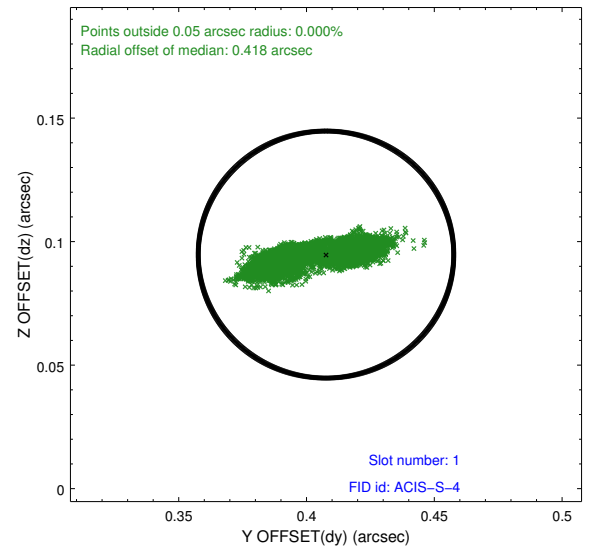
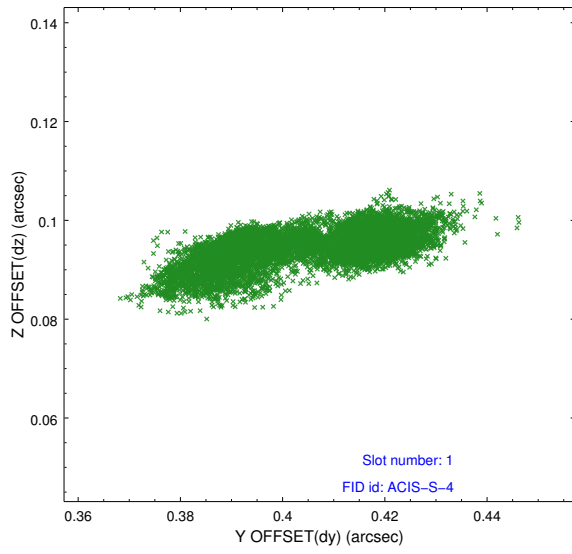


2.5 FID Slots

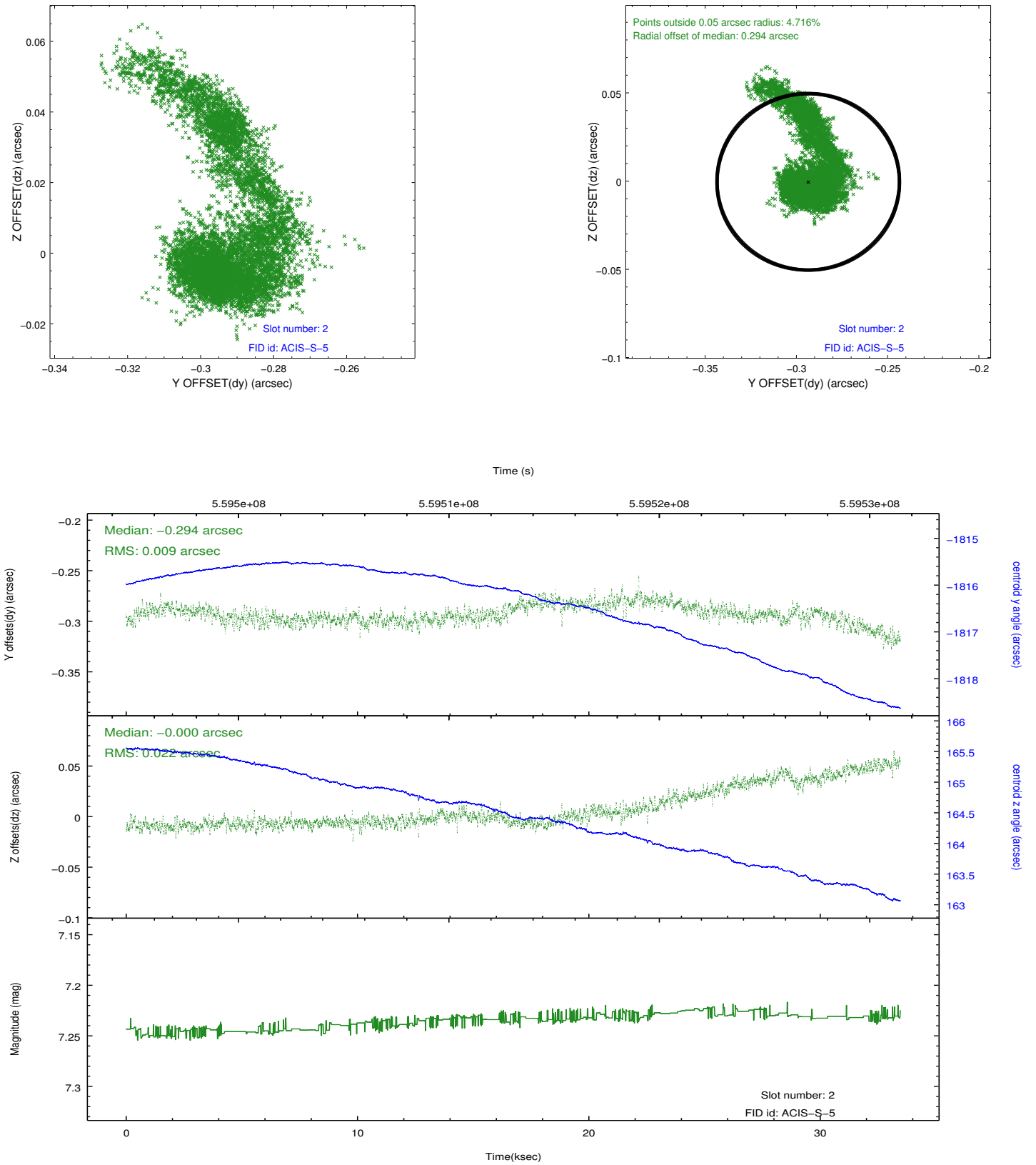
2.5.1 Slot 0



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)	2015.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	33.380800256848

A.2 Comments