

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 5532 - L2 Version 2
Chandra X-Ray Center

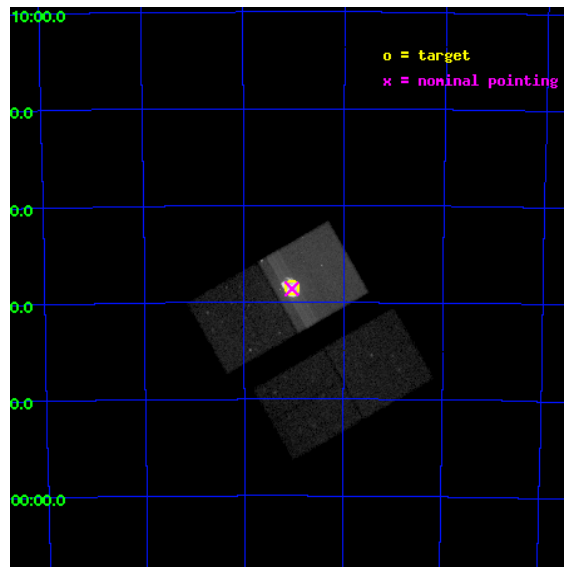
L2 Processing Date : Mar 22 2012

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1 Front

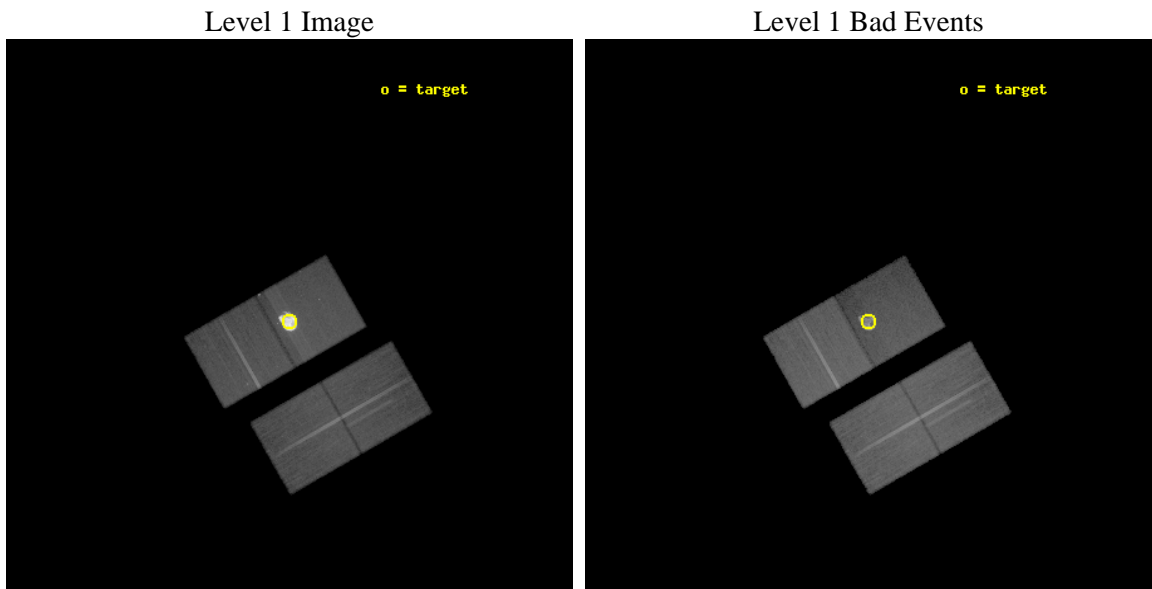
seq_num	500526	Sequence number
obs_id	5532	Observation id
title	The Oxygen-Rich SNR N132D: Ejecta Detection and Chemical Abundances	
observer	Dr. Kazimierz Borkowski	Principal investigator
object	N132D	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	81.25875	Observer's specified target RA [deg]
dec_targ	-69.641667	Observer's specified target Dec [deg]
ra_nom	81.259473283417	Nominal RA [deg]
dec_nom	-69.643733754119	Nominal Dec [deg]
roll_nom	330.1572911149	Nominal Roll [deg]
revision	2	Processing version of data
ontime	45176.299913108	Sum of GTIs [s]
livetime	44586.038296435	Livetime [s]
ontime2	45170.01795274	Sum of GTIs [s]
ontime3	45160.594992191	Sum of GTIs [s]
ontime6	45170.01800251	Sum of GTIs [s]
ontime7	45176.299913108	Sum of GTIs [s]
l2events	1663454	Number of level 2 events



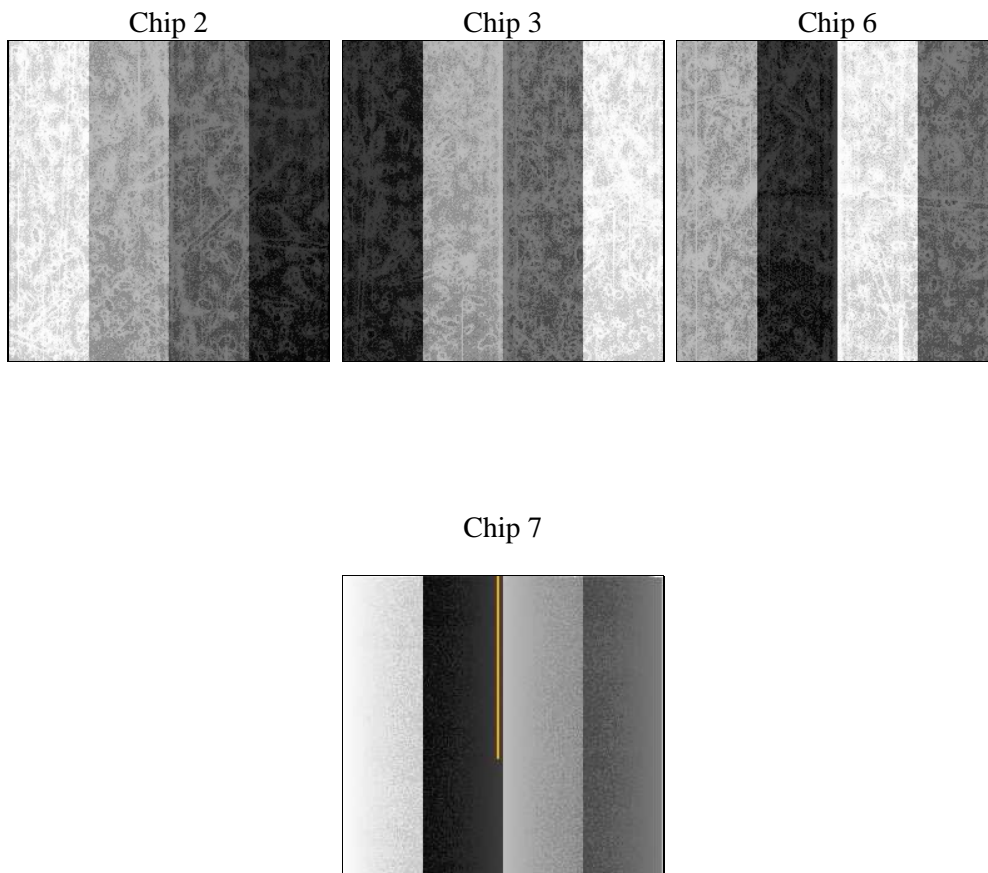
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	45000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	45176.299913108	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	45170.01795274	Sum of GTIs [s]
date	2012-03-22T04:22:35	Date and time of file creation	ontime3	45160.594992191	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	45170.01800251	Sum of GTIs [s]
			ontime7	45176.299913108	Sum of GTIs [s]
			l1events	2686097	Number of level 1 events

2.1.4 Events

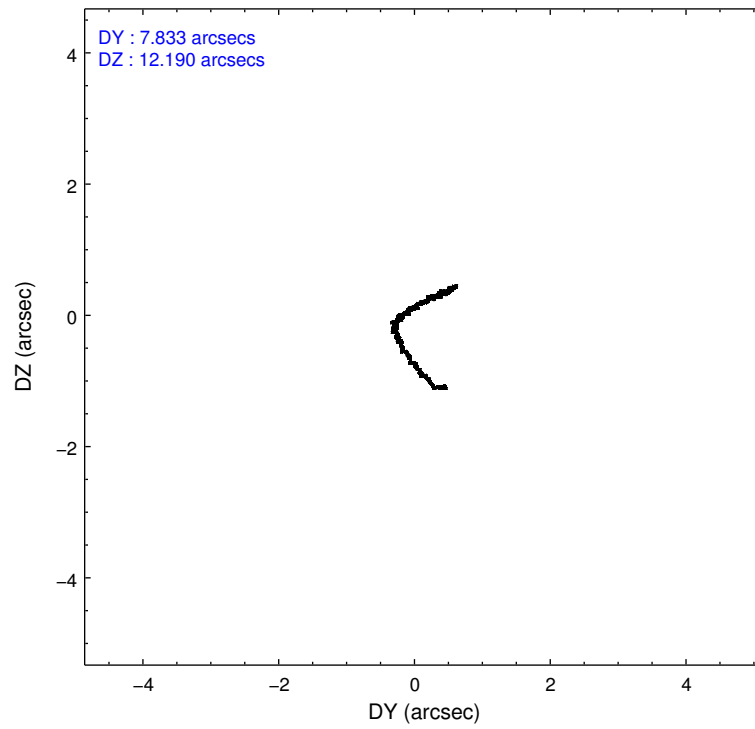
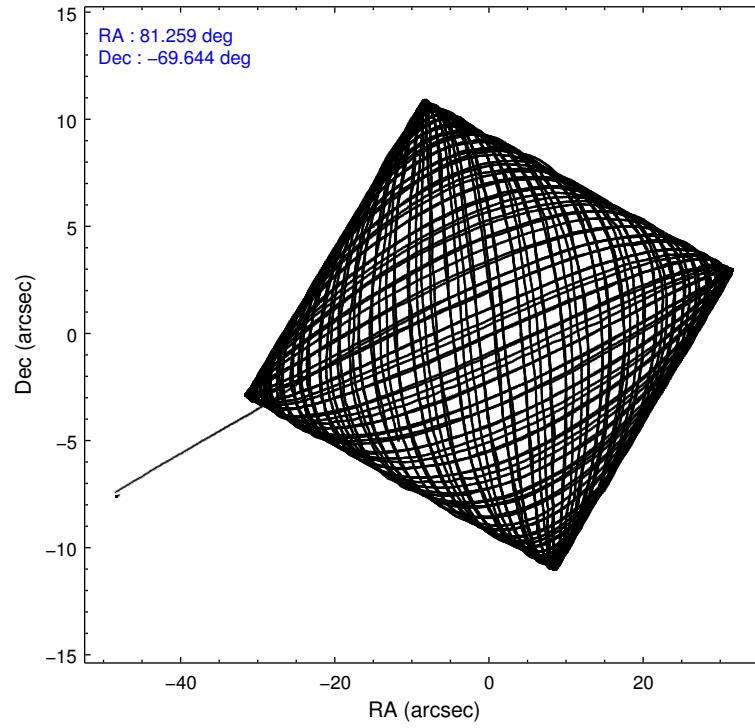
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	307824	294215	303874	1780184
rejected events	276896	263744	265631	187344
rejected %	89%	89%	87%	10%

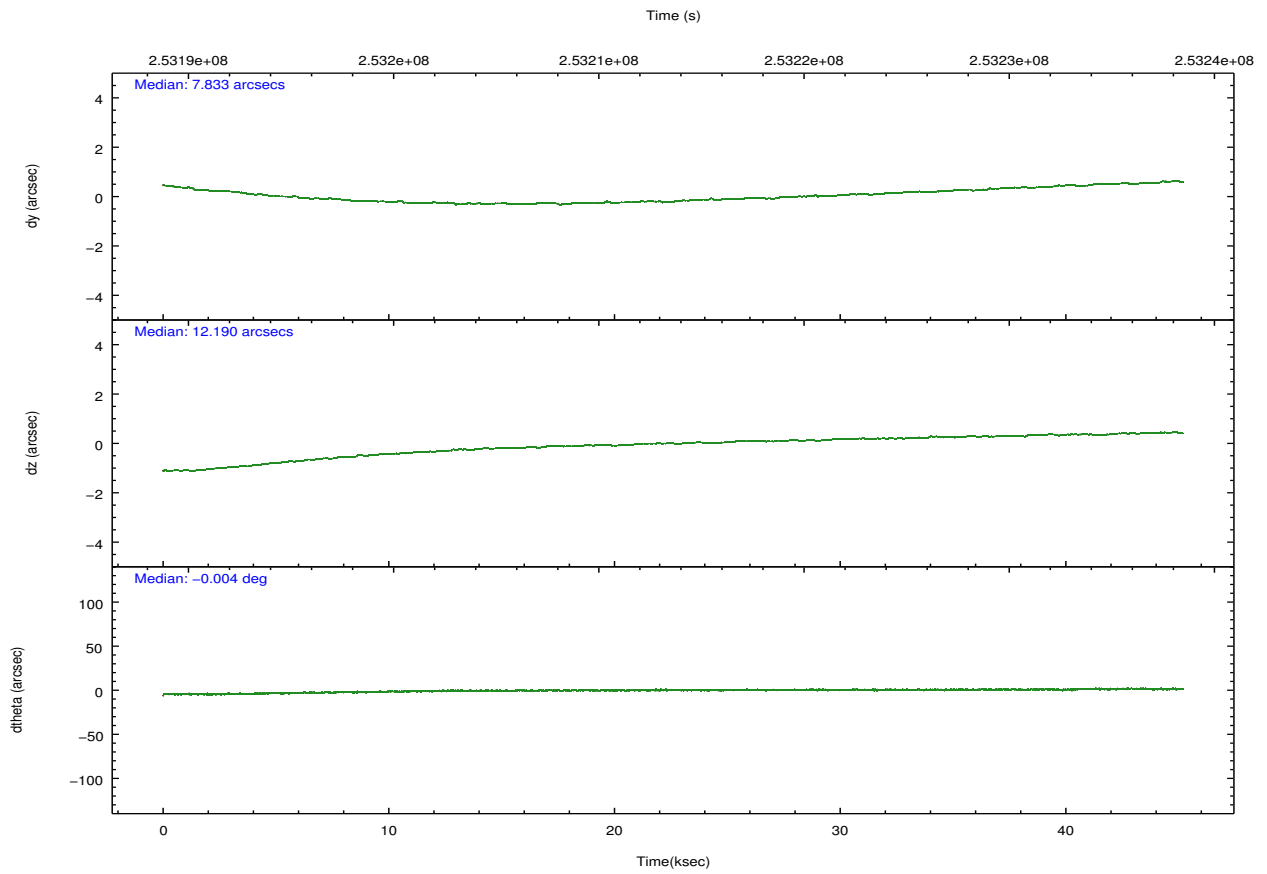
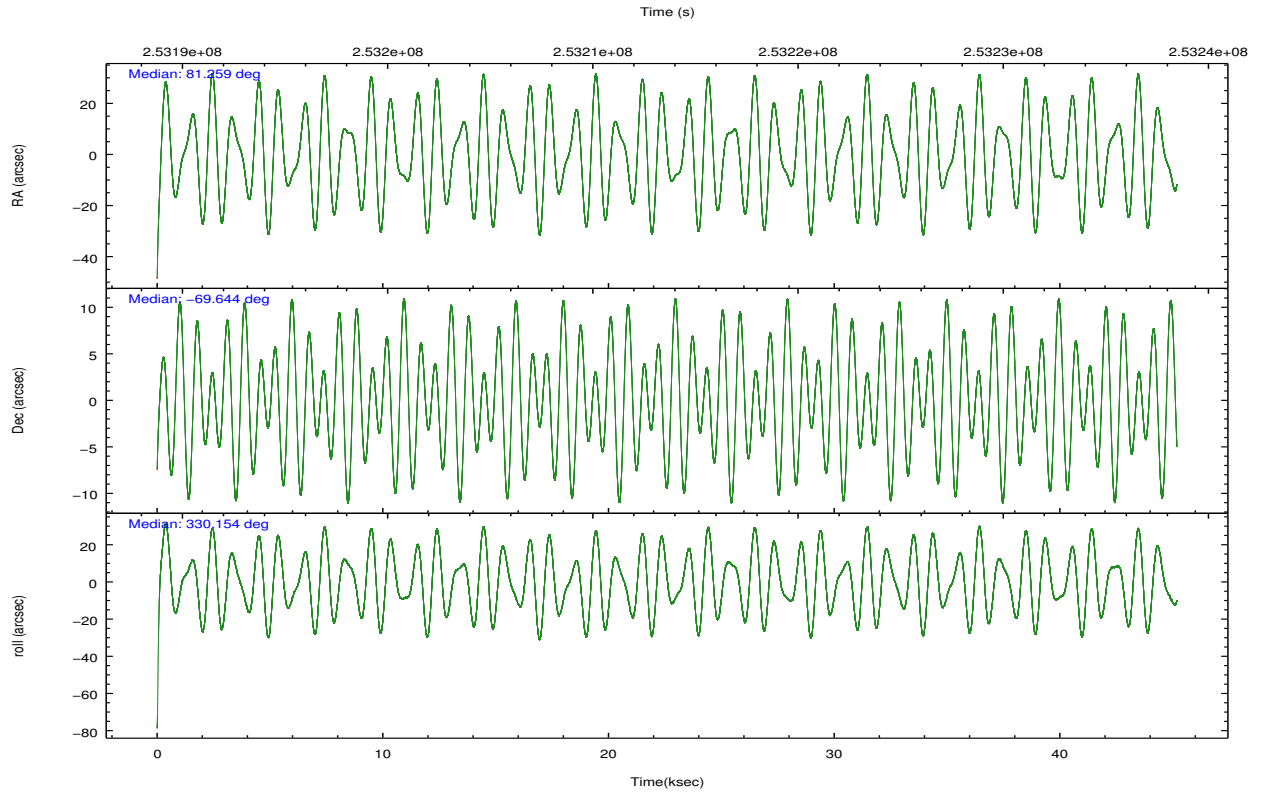
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	13435	13289	18503	479826
	4%	4%	6%	26%
grade 1 events	160	146	180	7299
	0%	0%	0%	0%
grade 2 events	6554	6160	7074	432064
	2%	2%	2%	24%
grade 3 events	3103	3204	3451	192285
	1%	1%	1%	10%
grade 4 events	3172	3193	3392	186742
	1%	1%	1%	10%
grade 5 events	7909	9962	10206	51731
	2%	3%	3%	2%
grade 6 events	4828	5097	5993	307289
	1%	1%	1%	17%
grade 7 events	268663	253164	255075	122948
	87%	86%	83%	6%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	81.181184	81.25947328341736	Subarray requested	NONE	NONE
[deg] Pointing Dec	-69.644172	-69.64373375411908	Alternating exposures requested	N	N
[deg] Pointing Roll	329.927272	330.1572911149032	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	253191211.184000	253190167.72474			
Observation start date	2006-01-09T10:52:26	2006-01-09T10:36:07			
[s] Observation end time (MET)	253236211.184000	253237261.35193			
Observation end date	2006-01-09T23:22:26	2006-01-09T23:41:01			
Read mode	TIMED	TIMED			

2.3 Aspect



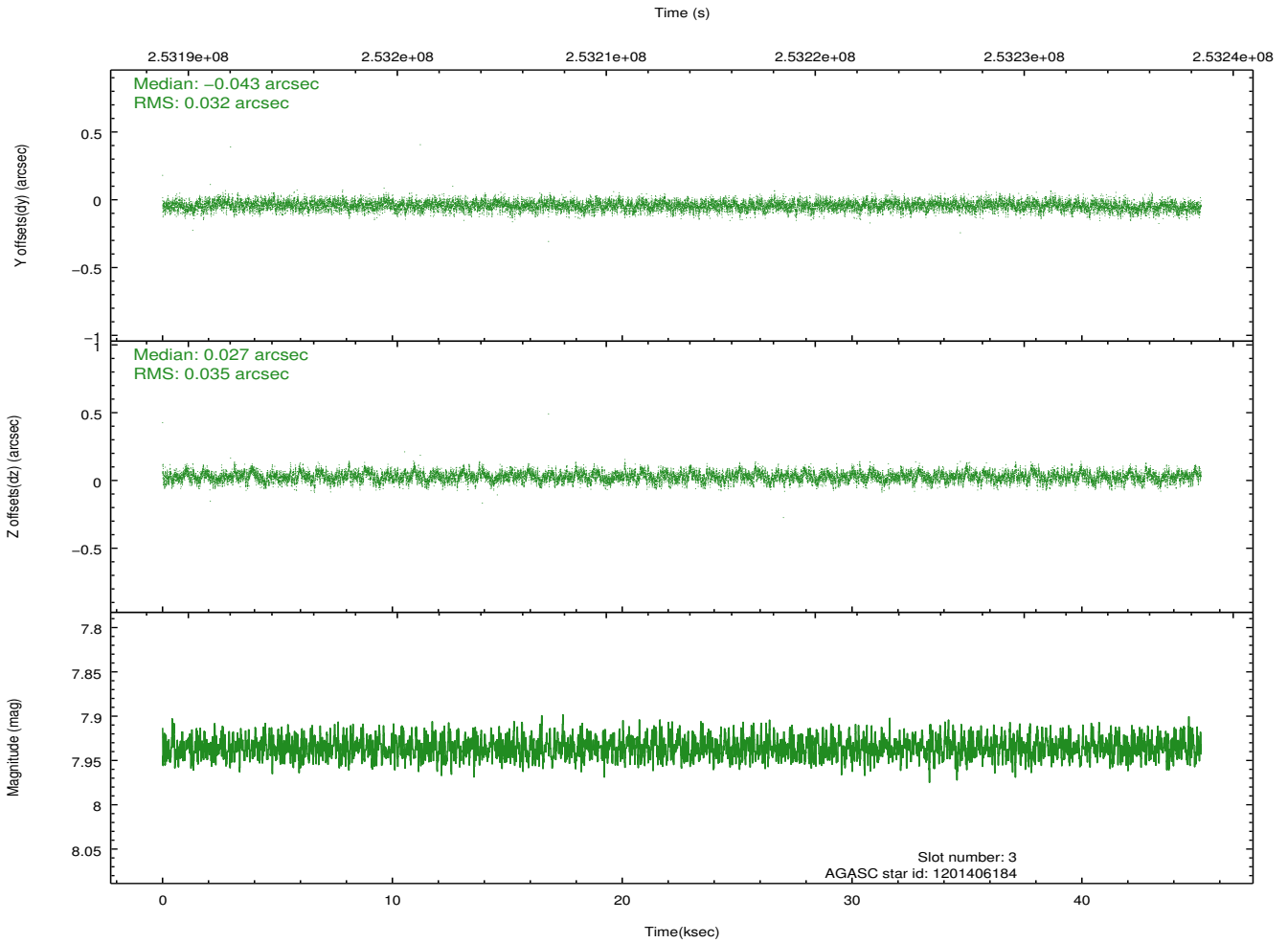
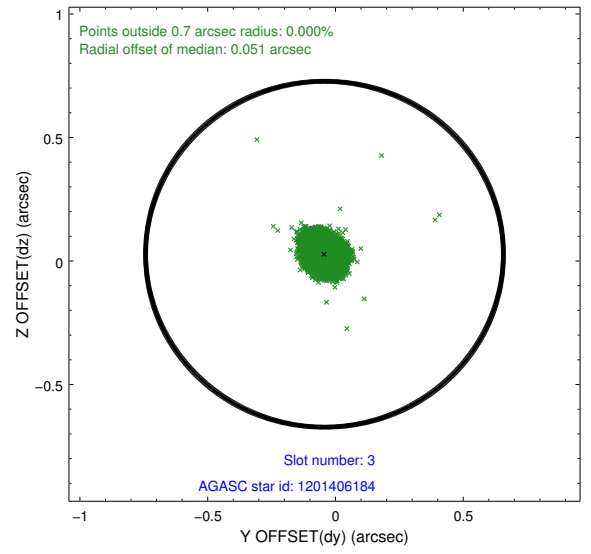
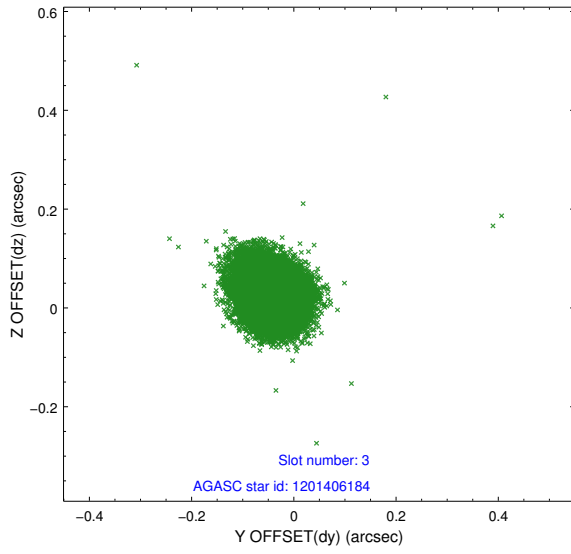


Slot Statistics

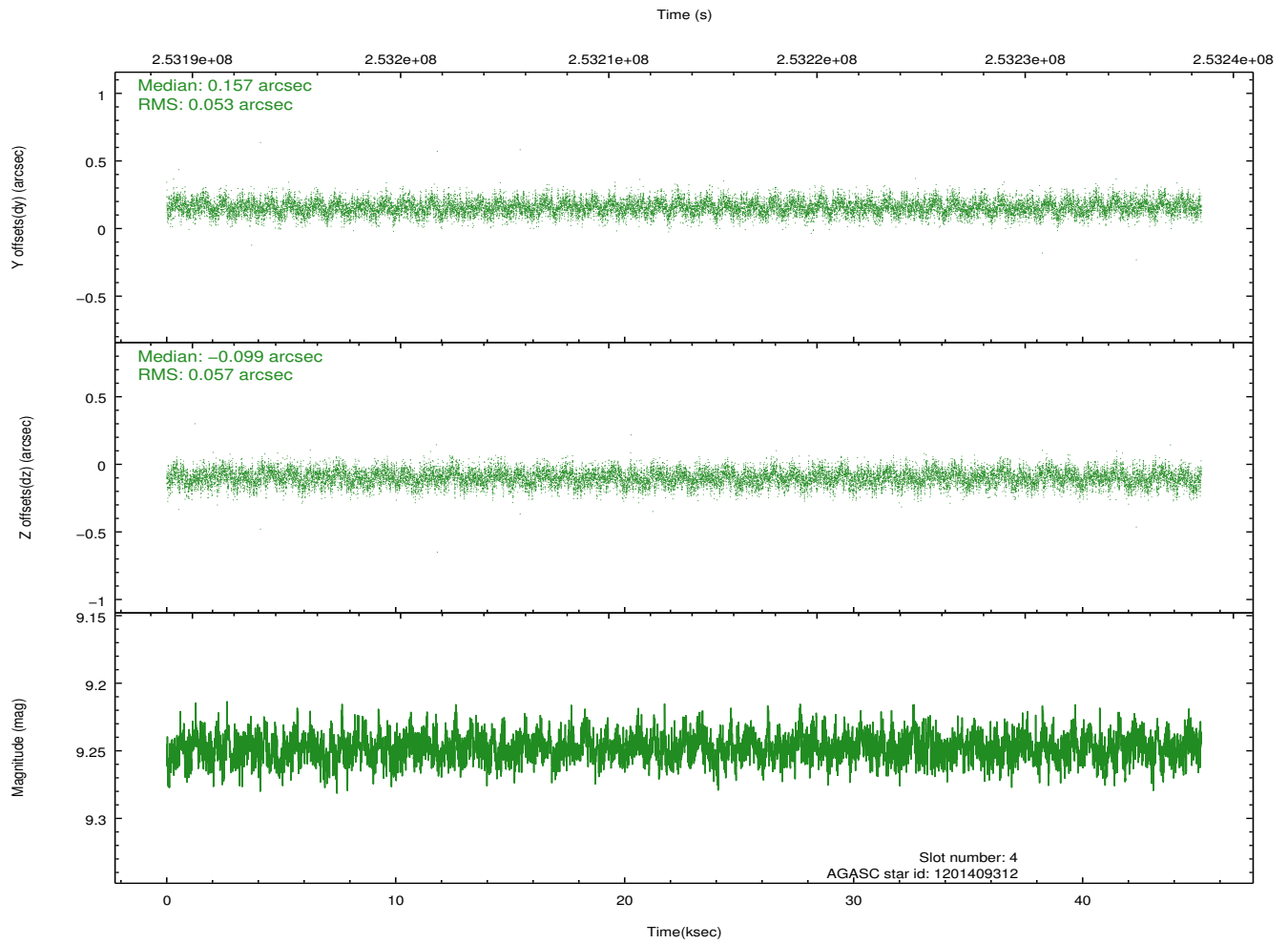
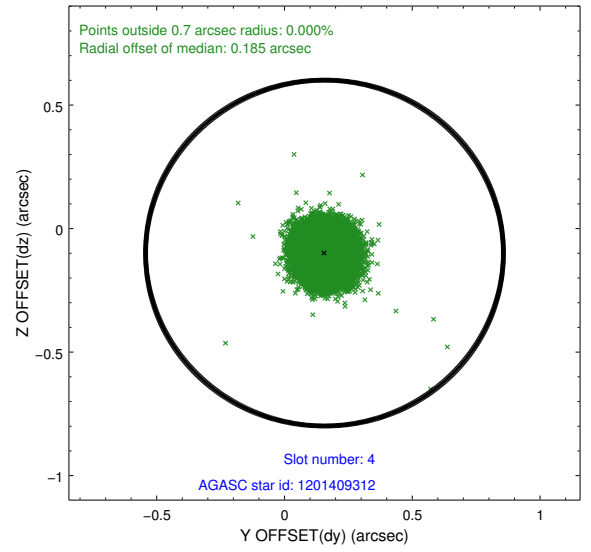
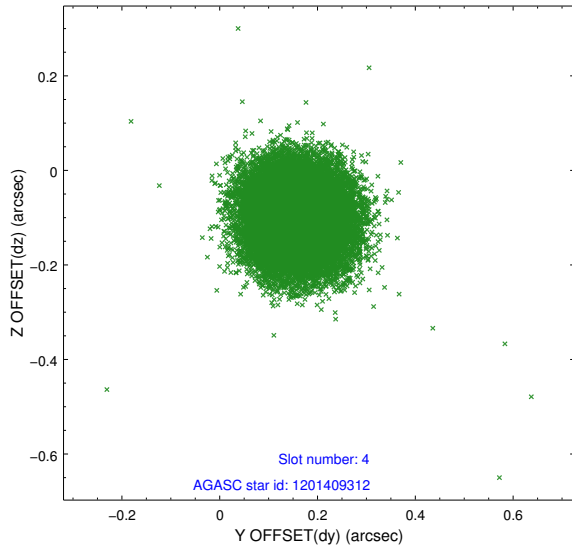
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	11020	-0.021	-0.034	0.017	0.027	0.000000	0.000000	-760.68	-1733.42
1	FID	ACIS-S-4	7.20	11021	0.100	0.020	0.012	0.026	0.000000	0.000000	2152.73	175.12
2	FID	ACIS-S-5	7.23	11020	-0.111	0.025	0.019	0.029	0.000000	0.000000	-1813.61	168.79
3	GUIDE	1201406184	7.94	22035	-0.043	0.027	0.050	0.080	82.503234	-69.975517	2017.33	-230.59
4	GUIDE	1201409312	9.25	22026	0.157	-0.099	0.083	0.134	80.915231	-69.503059	-543.64	271.08
5	GUIDE	1201410888	8.00	22035	-0.162	0.095	0.050	0.080	81.046858	-70.018210	532.25	-1247.97
6	GUIDE	1201411288	9.24	22021	0.106	-0.110	0.089	0.147	81.410076	-69.595403	161.34	295.63
7	GUIDE	1201409792	8.87	21959	-0.062	0.089	0.090	0.143	82.417975	-70.260186	2420.81	-1178.49

2.4 Star Slots

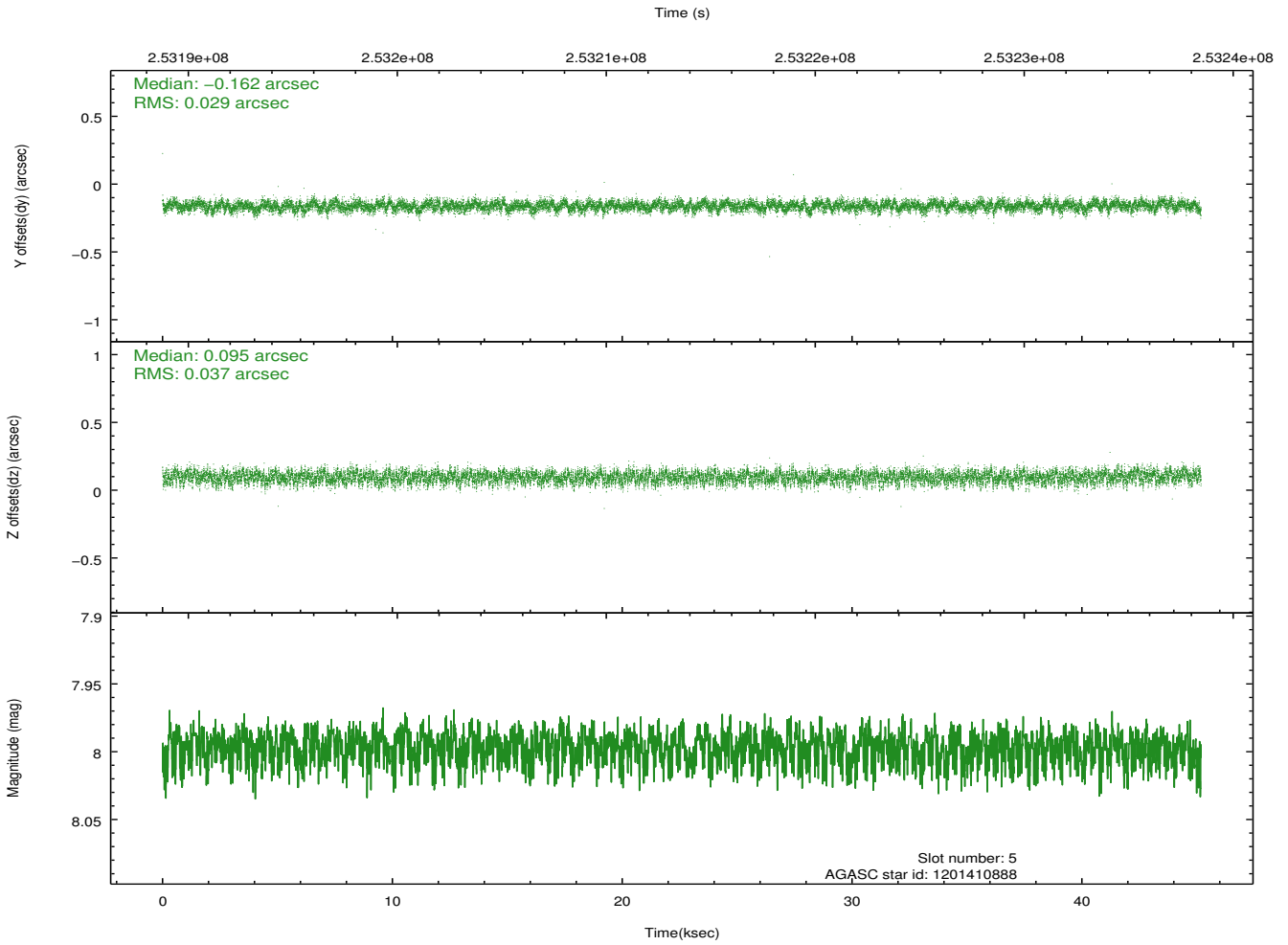
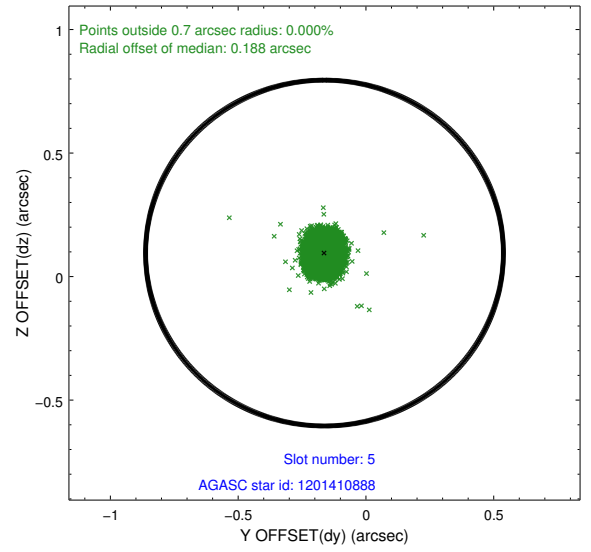
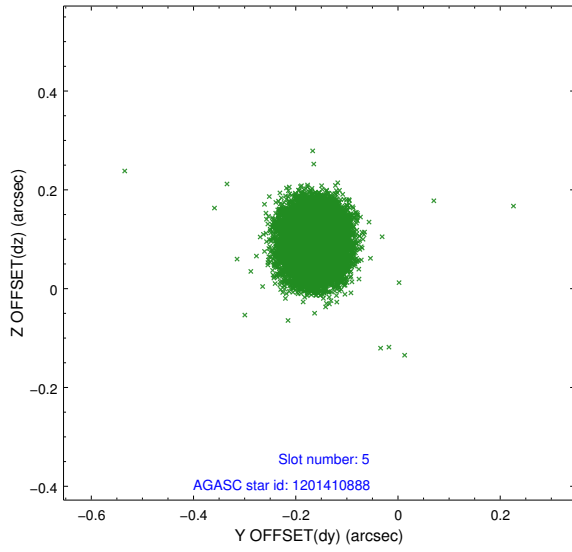
2.4.1 Slot 3



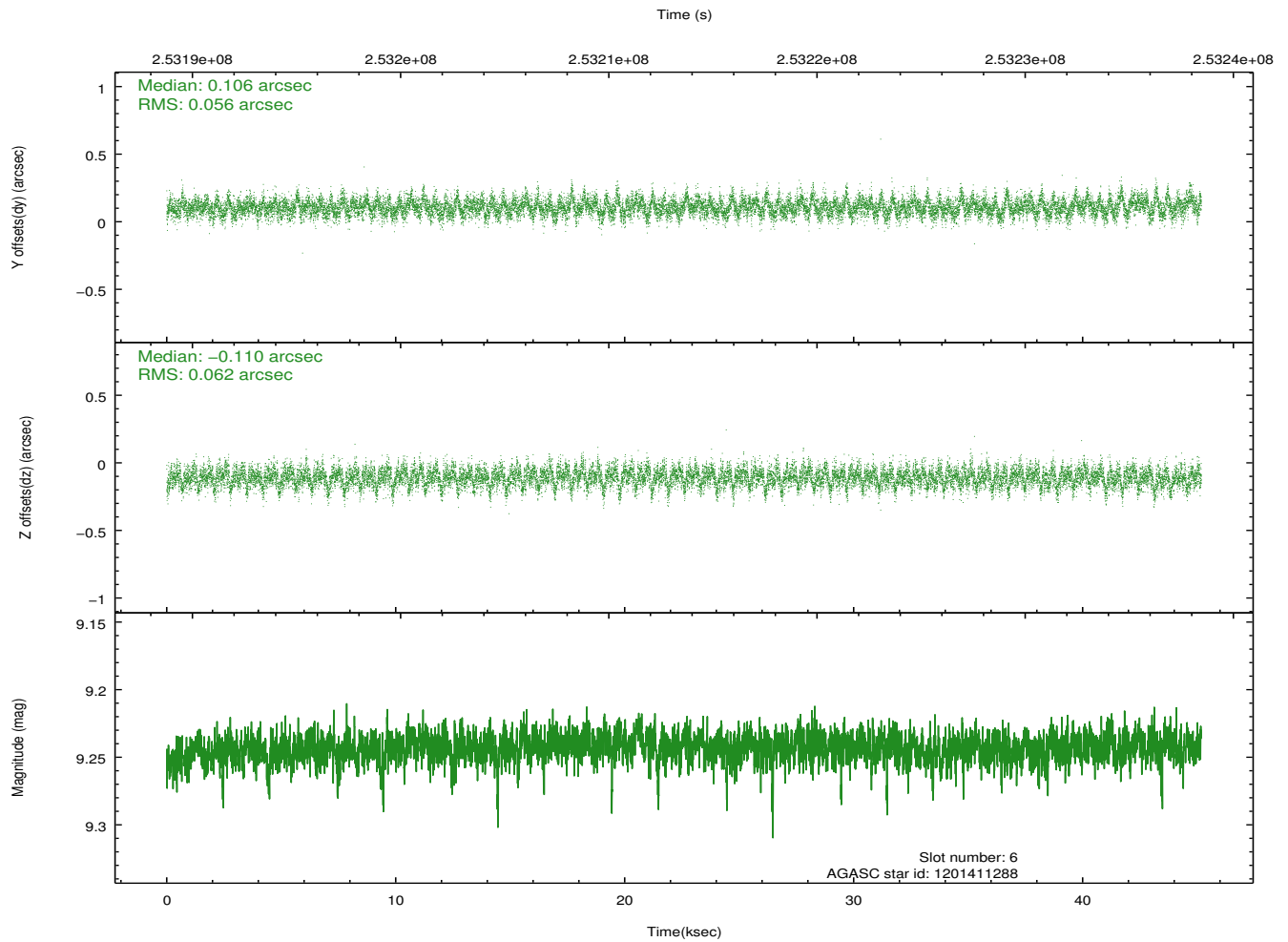
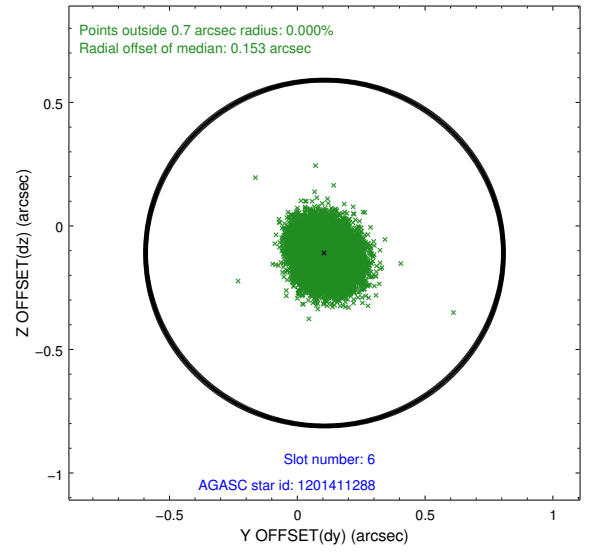
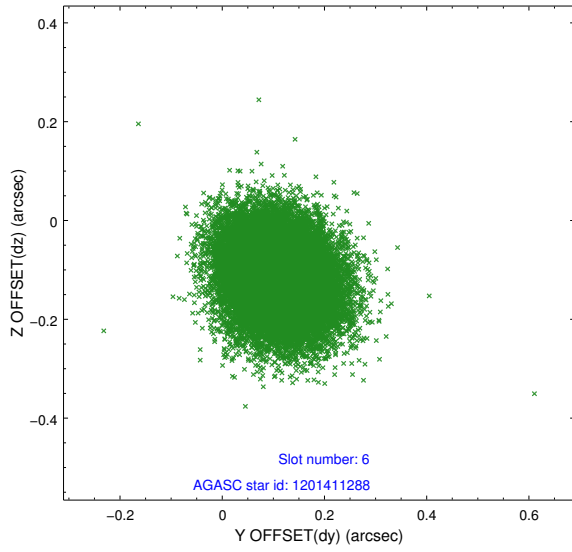
2.4.2 Slot 4



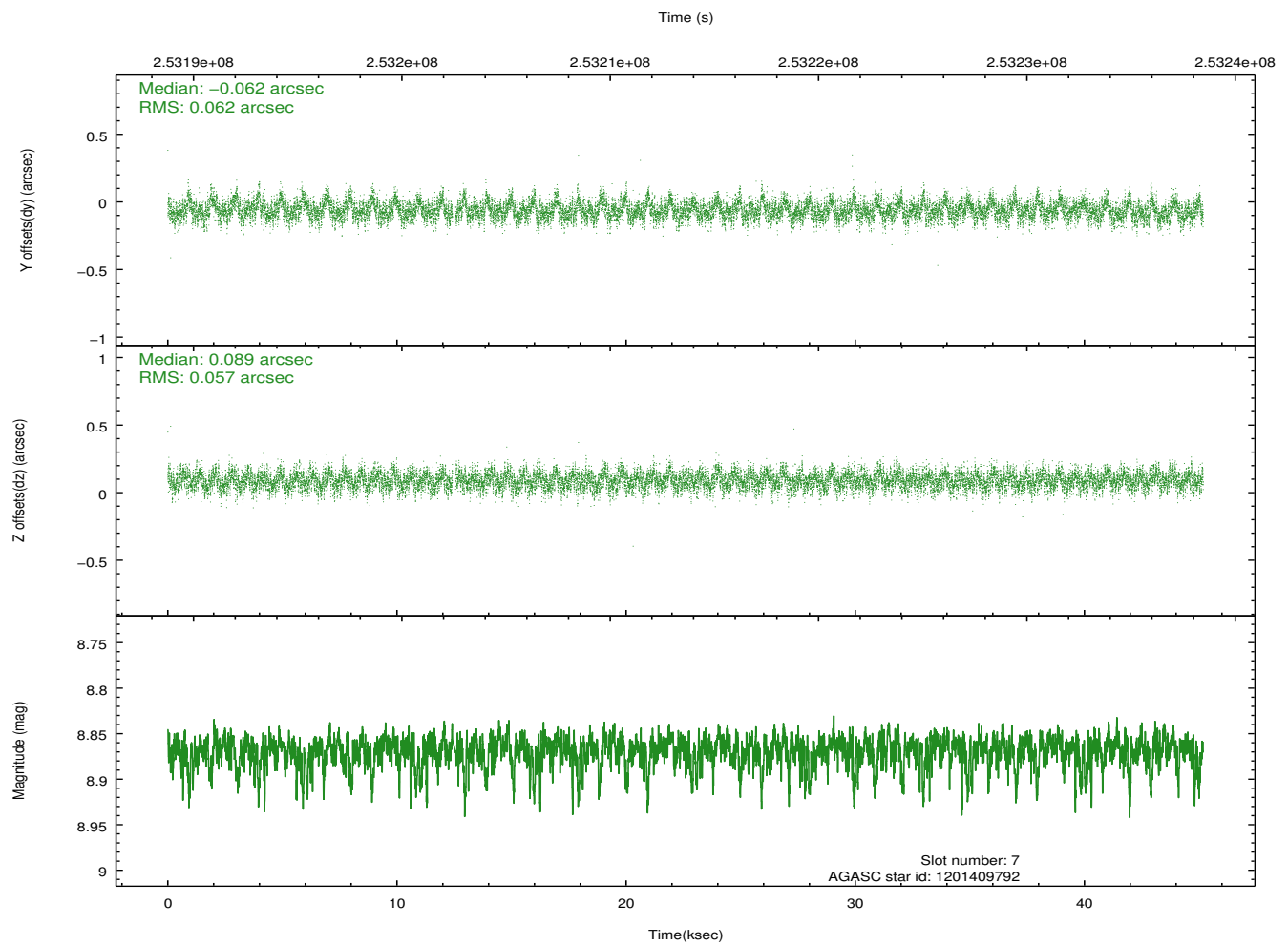
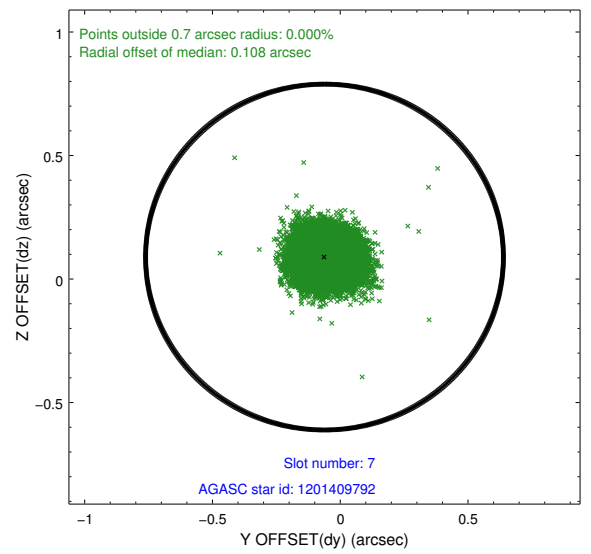
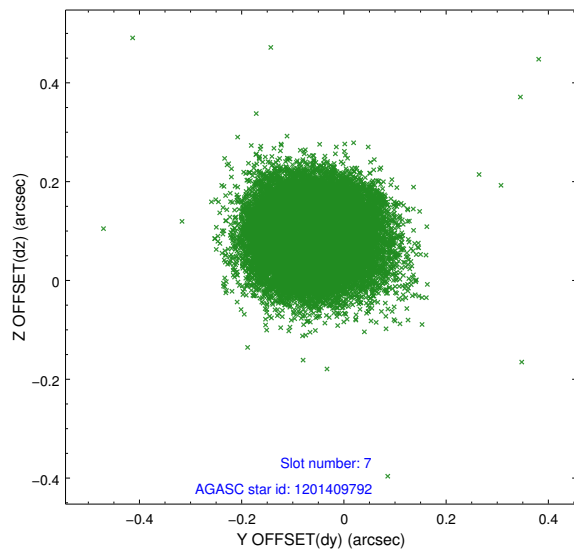
2.4.3 Slot 5



2.4.4 Slot 6

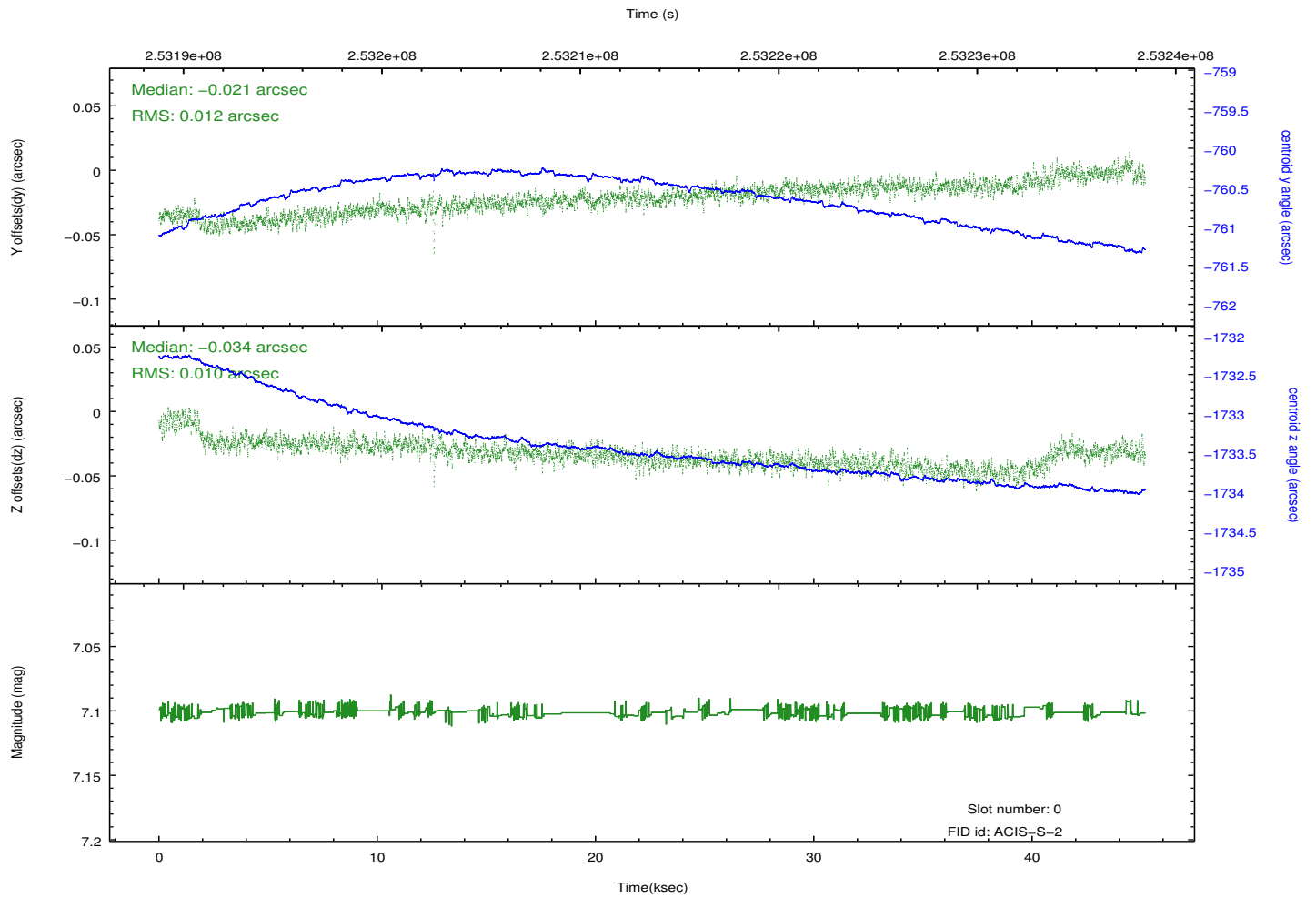
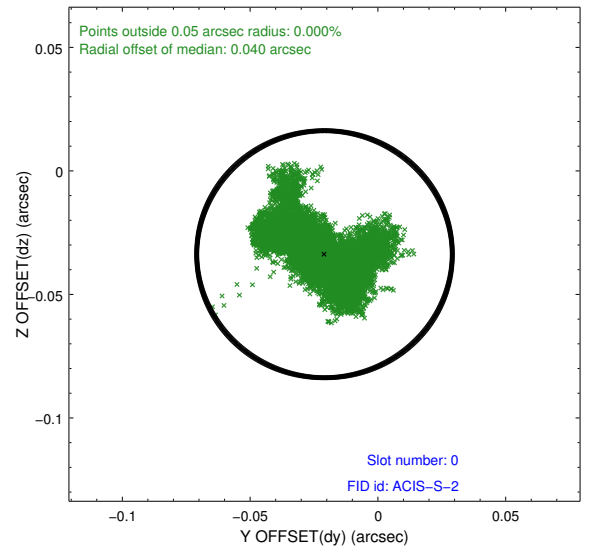
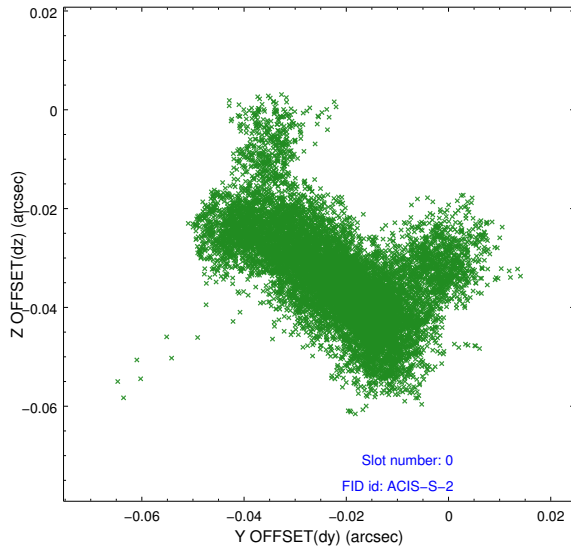


2.4.5 Slot 7

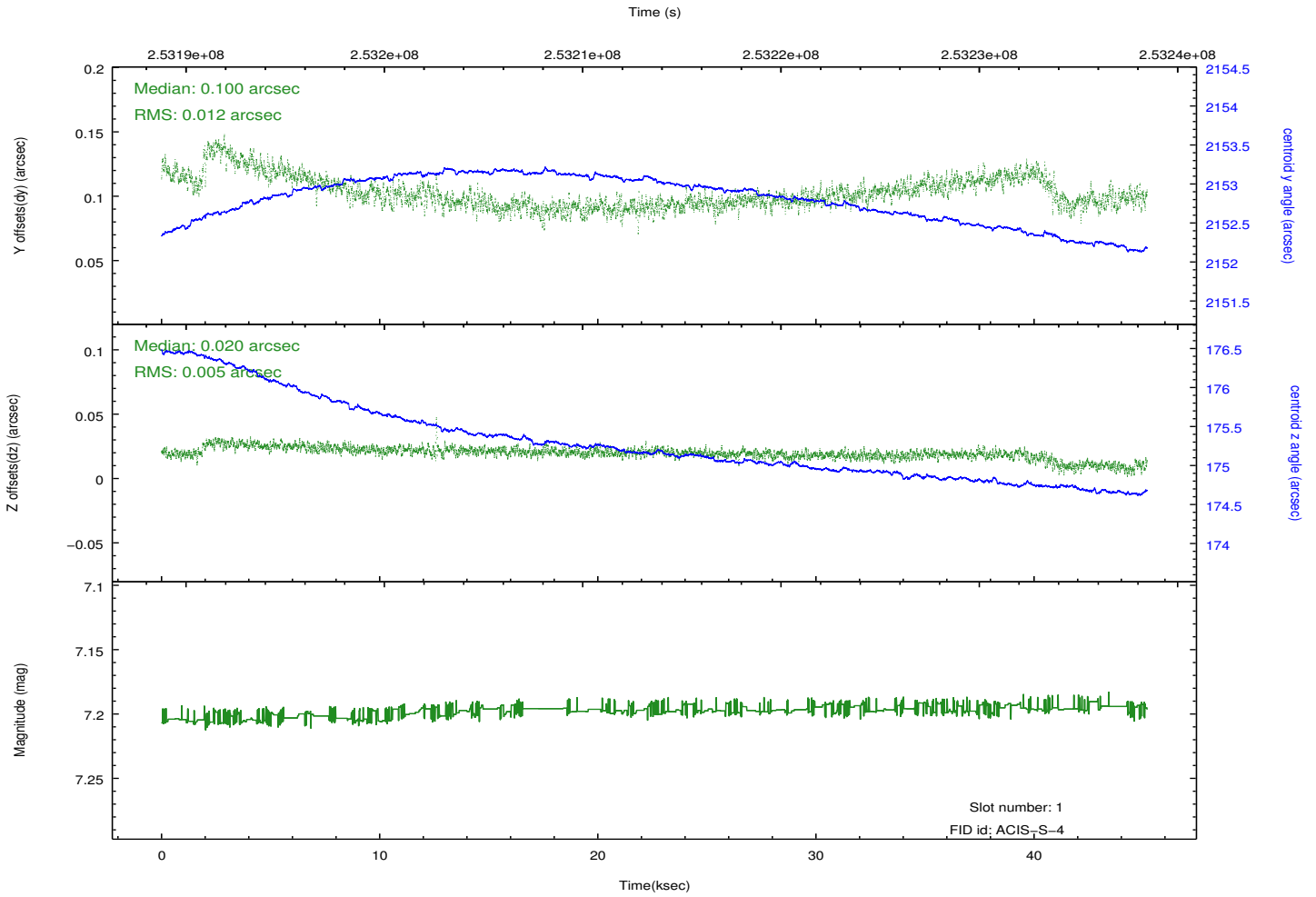
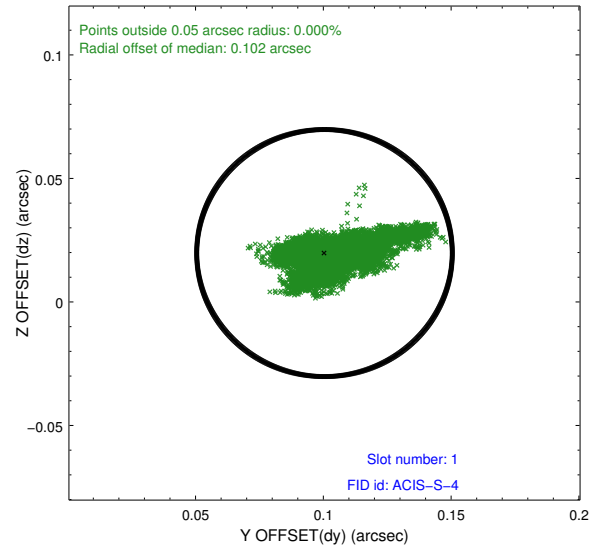
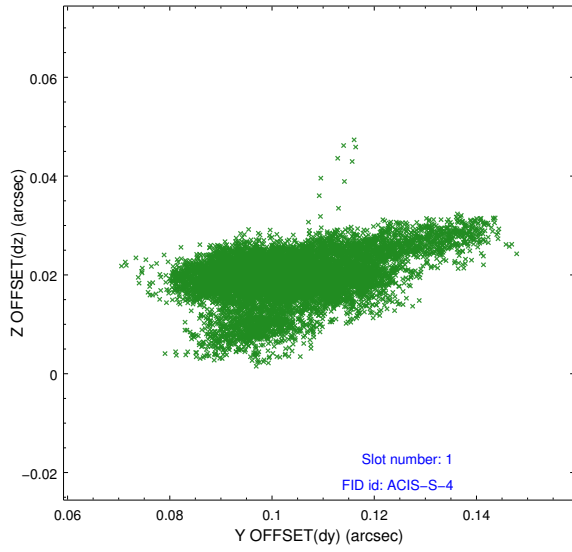


2.5 FID Slots

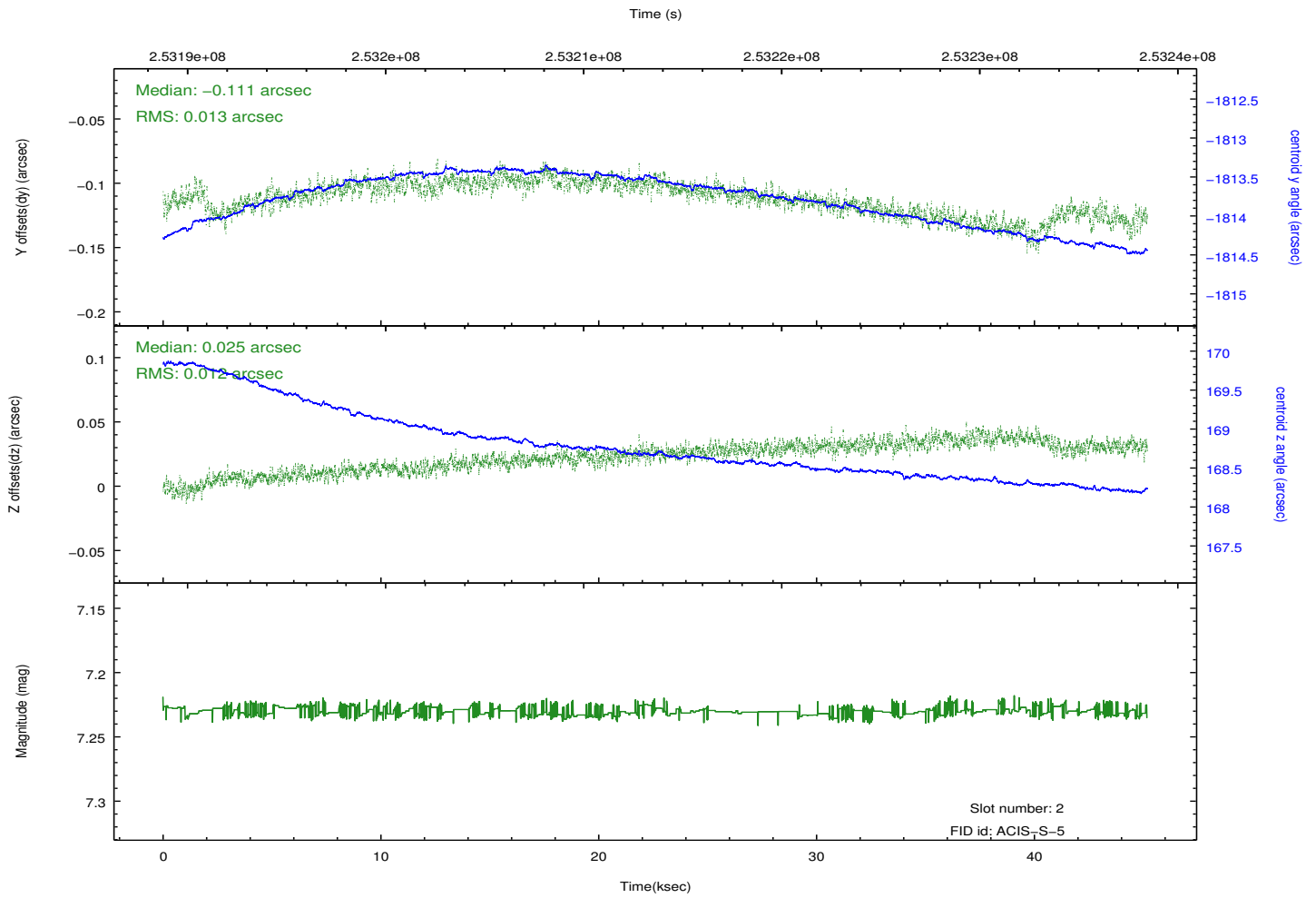
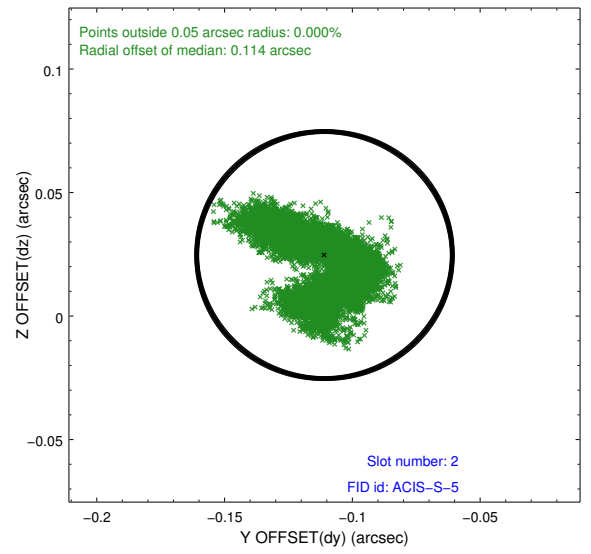
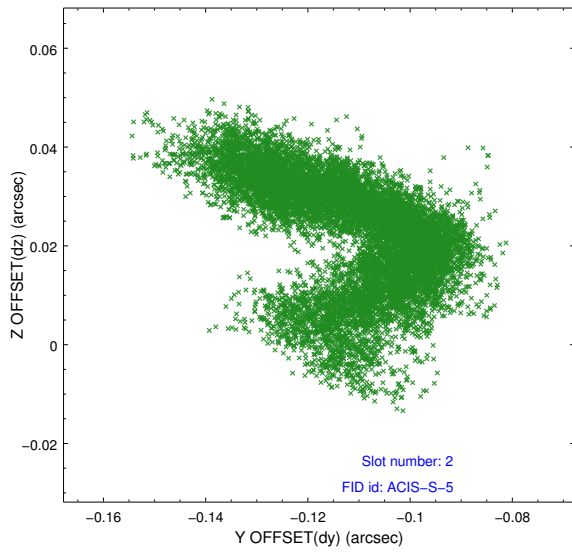
2.5.1 Slot 0



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)	2012.03.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.1762999

A.2 Comments