

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19908 - L2 Version 1
Chandra X-Ray Center

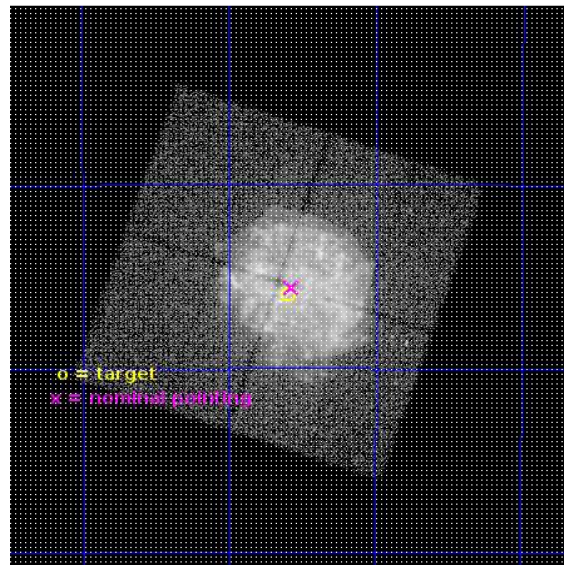
L2 Processing Date : Nov 14 2016

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1 Front

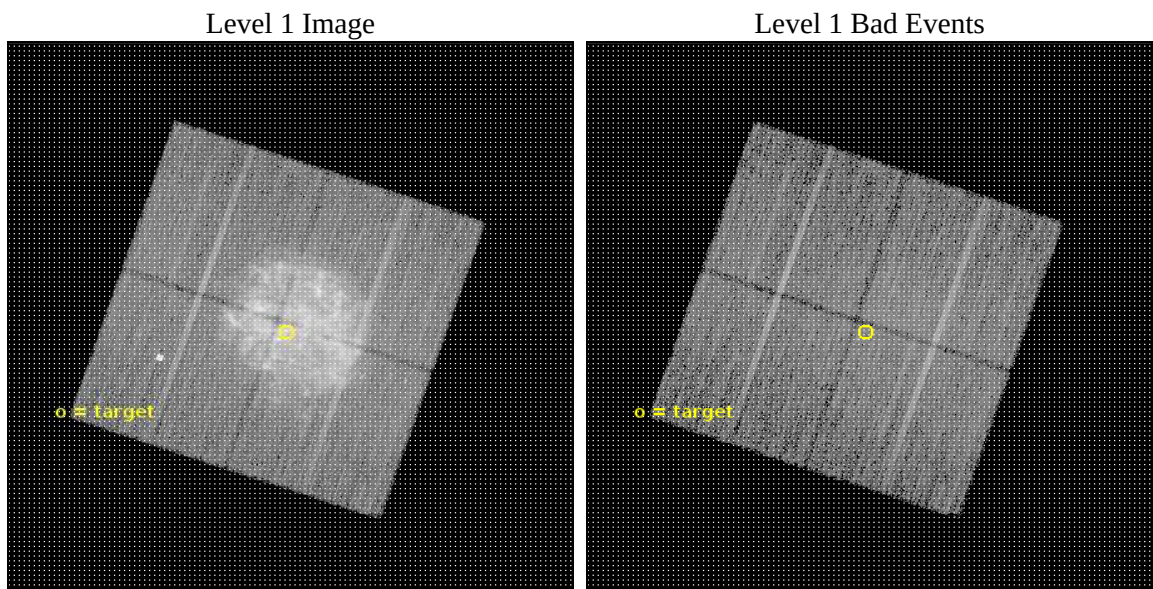
seq_num	502645	Sequence number
obs_id	19908	Observation id
title	Global Expansion and Internal Kinematics of the Oxygen-Rich Supernova Remnant G292.0+1.8	Proposal title
observer	Kazimierz Borkowski	Principal investigator
object	G292.0+1.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	171.148542	Observer's specified target RA [deg]
dec_targ	-59.265661	Observer's specified target Dec [deg]
ra_nom	171.14362788397	Nominal RA [deg]
dec_nom	-59.260092539501	Nominal Dec [deg]
roll_nom	108.84599368065	Nominal Roll [deg]
revision	1	Processing version of data
ontime	28120.039898992	Sum of GTIs [s]
livetime	27752.630876039	Livetime [s]
ontime0	28119.916779041	Sum of GTIs [s]
ontime1	28116.816828847	Sum of GTIs [s]
ontime2	28119.998859048	Sum of GTIs [s]
ontime3	28120.039898992	Sum of GTIs [s]
l2events	568765	Number of level 2 events



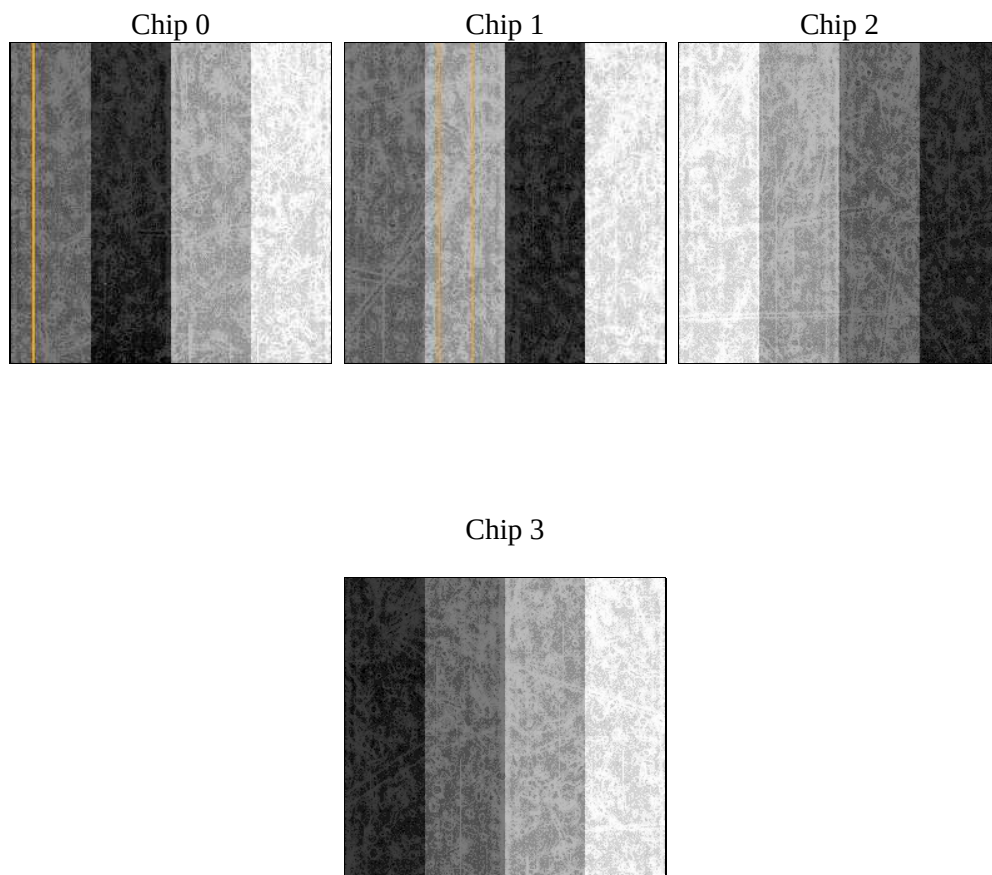
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	28000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	28120.039898992	Sum of GTIs [s]
caldsver	4.7.2	 	ontime0	28119.916779041	Sum of GTIs [s]
date	2016-11-14T20:43:25	Date and time of file creation	ontime1	28116.816828847	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	28119.998859048	Sum of GTIs [s]
			ontime3	28120.039898992	Sum of GTIs [s]
			l1events	1173417	Number of level 1 events

2.1.4 Events

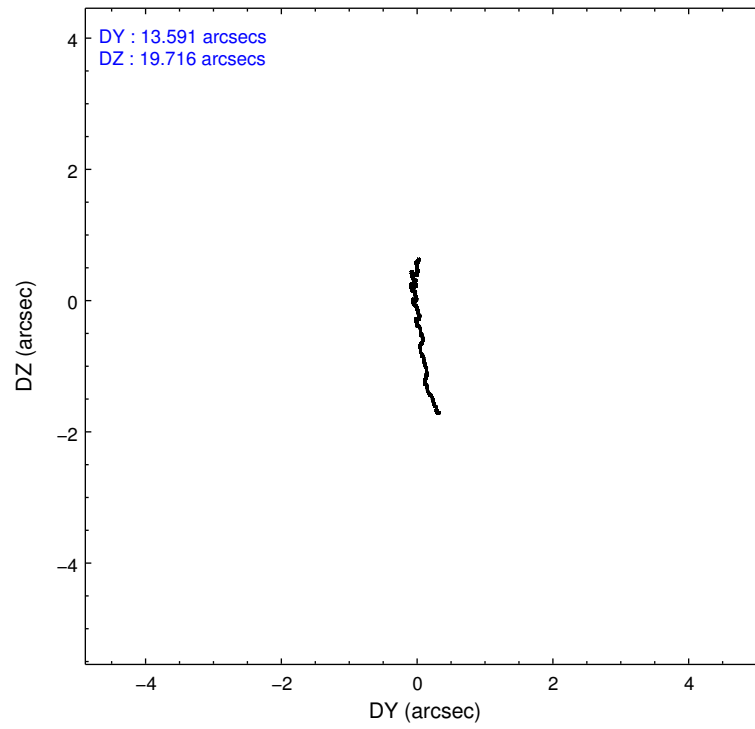
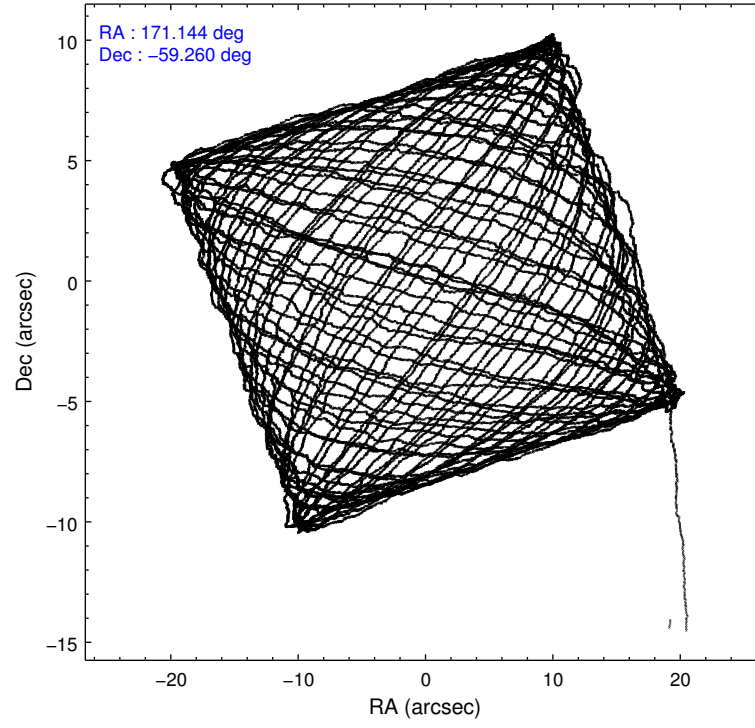
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	224994	229494	364127	354802
rejected events	131330	127650	154402	140377
rejected %	58%	55%	42%	39%

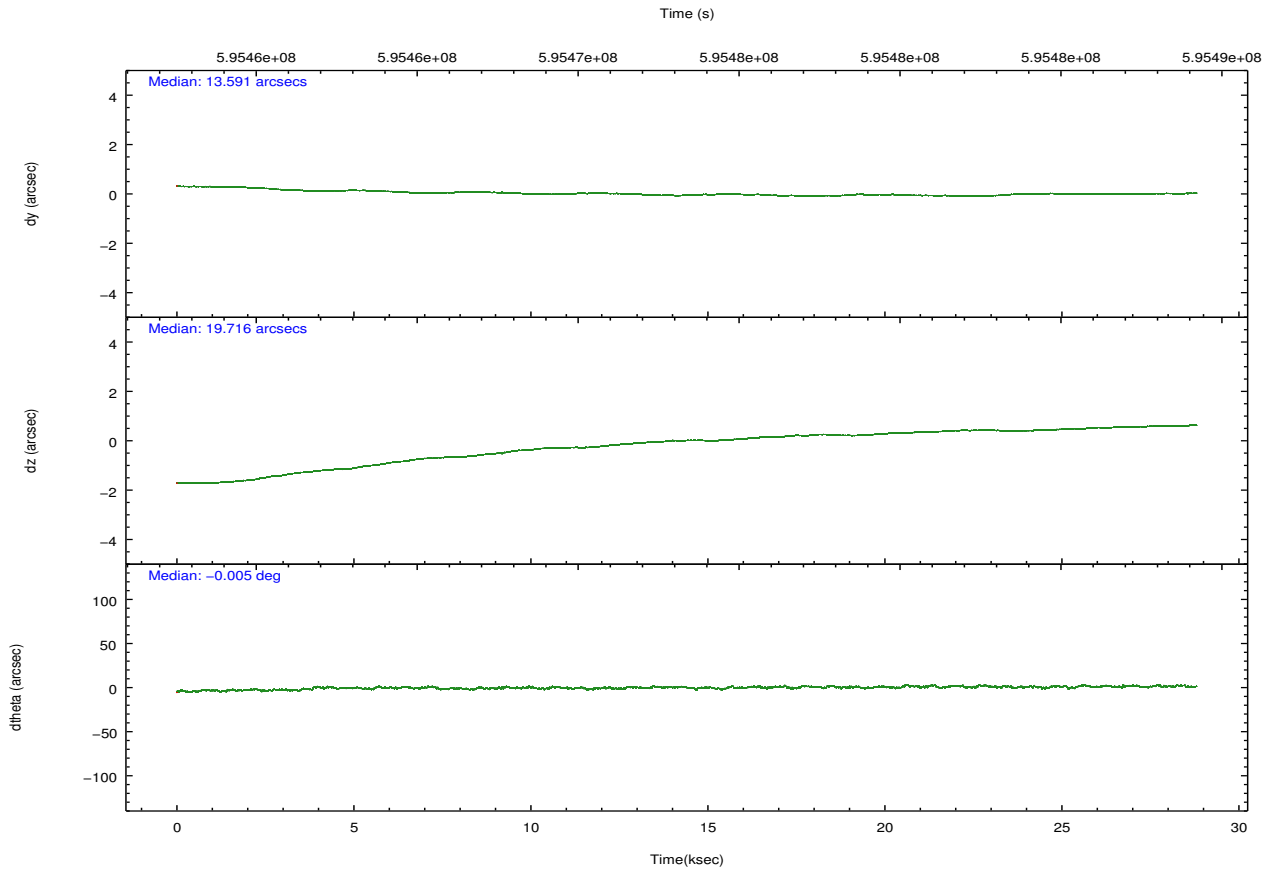
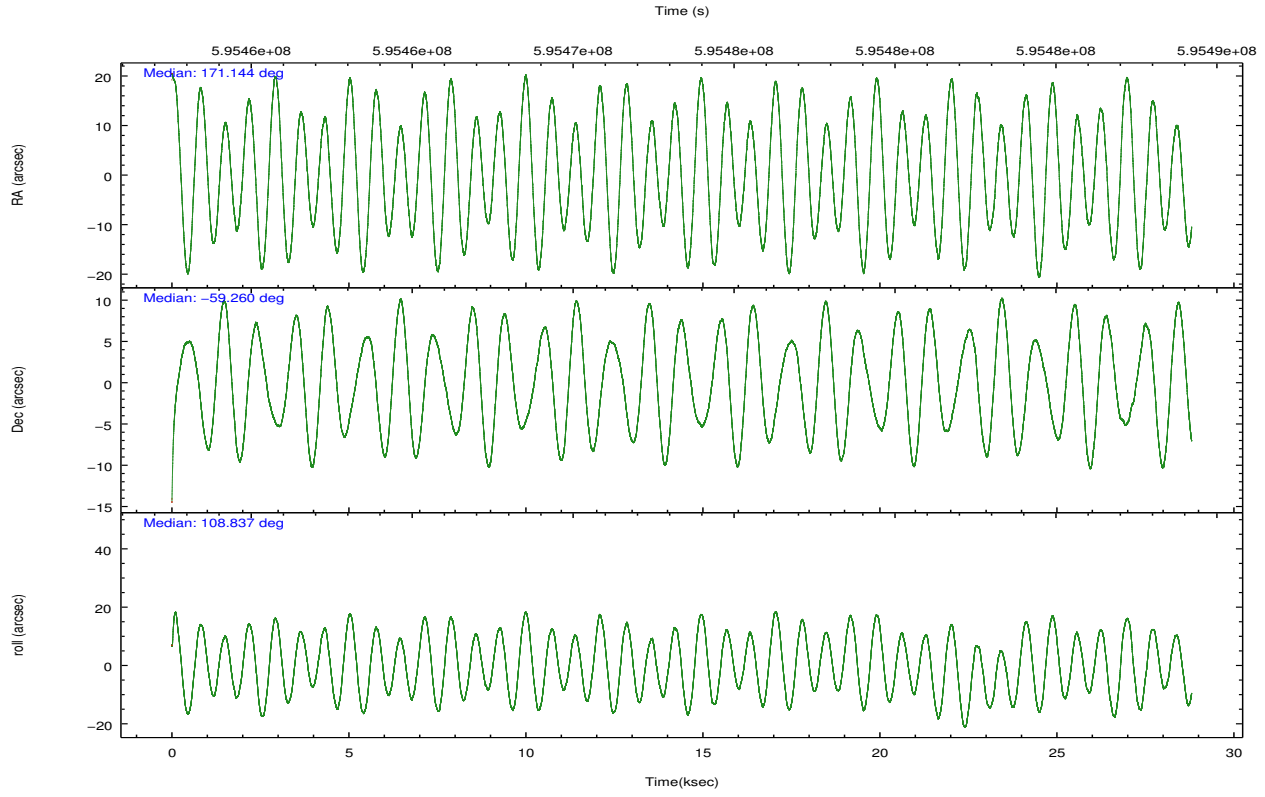
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	73283	80694	174518	178070
	32%	35%	47%	50%
grade 1 events	402	398	1050	1042
	0%	0%	0%	0%
grade 2 events	10818	10886	19709	19803
	4%	4%	5%	5%
grade 3 events	3180	3321	5616	5988
	1%	1%	1%	1%
grade 4 events	3157	3140	5660	5901
	1%	1%	1%	1%
grade 5 events	3652	4007	3694	4589
	1%	1%	1%	1%
grade 6 events	3235	3815	4245	4677
	1%	1%	1%	1%
grade 7 events	127267	123233	149635	134732
	56%	53%	41%	37%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	171.184437	171.1436278839694	Subarray requested	NONE	NONE
[deg] Pointing Dec	-59.278190	-59.26009253950085	Alternating exposures requested	N	N
[deg] Pointing Roll	108.672399	108.845993680648	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	595459768.184000	595457805.1856			
Observation start date	2016-11-13T21:28:20	2016-11-13T20:56:45			
[s] Observation end time (MET)	595487768.184000	595488450.12486			
Observation end date	2016-11-14T05:15:00	2016-11-14T05:27:30			
Read mode	TIMED	TIMED			

2.3 Aspect



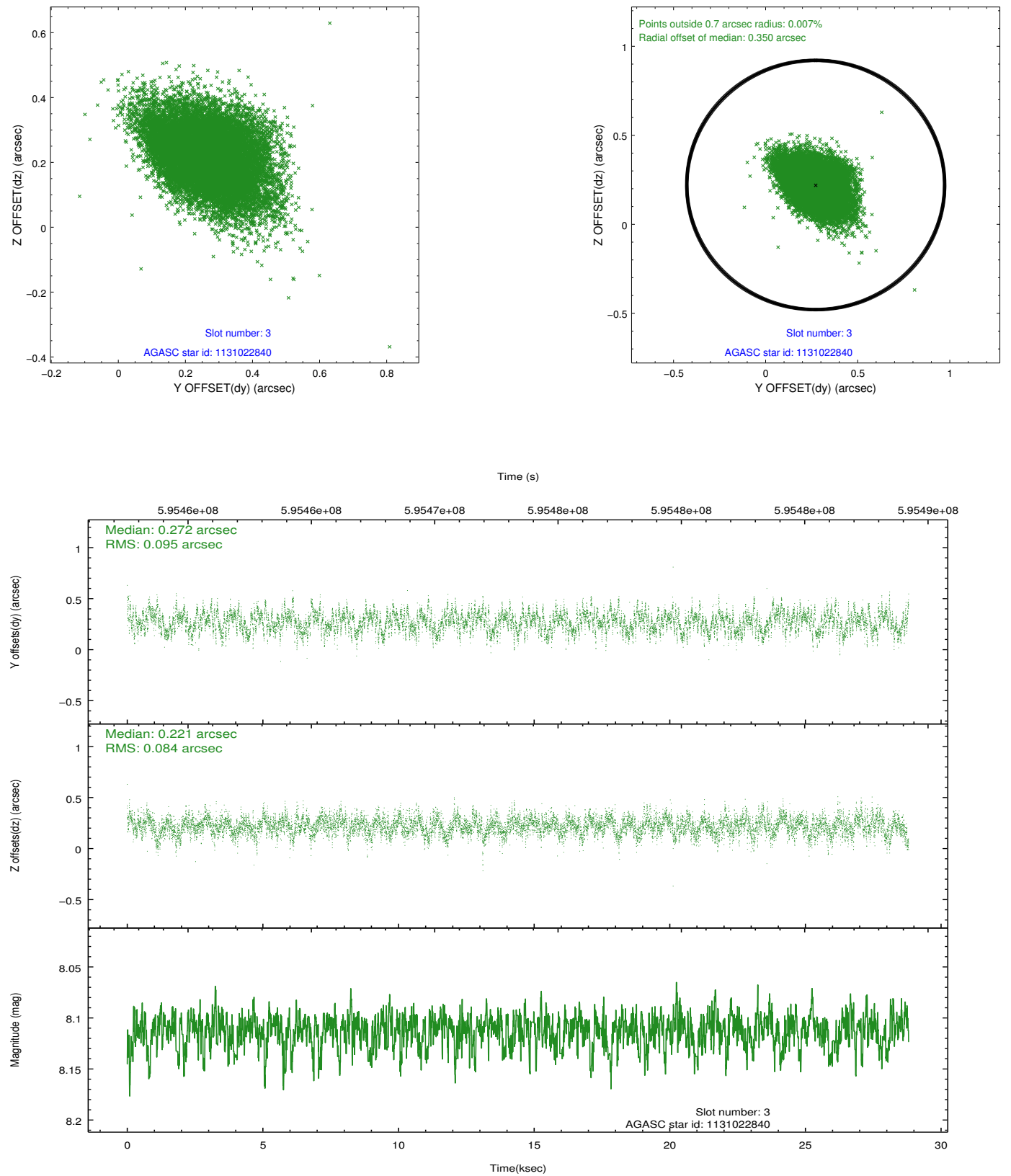


Slot Statistics

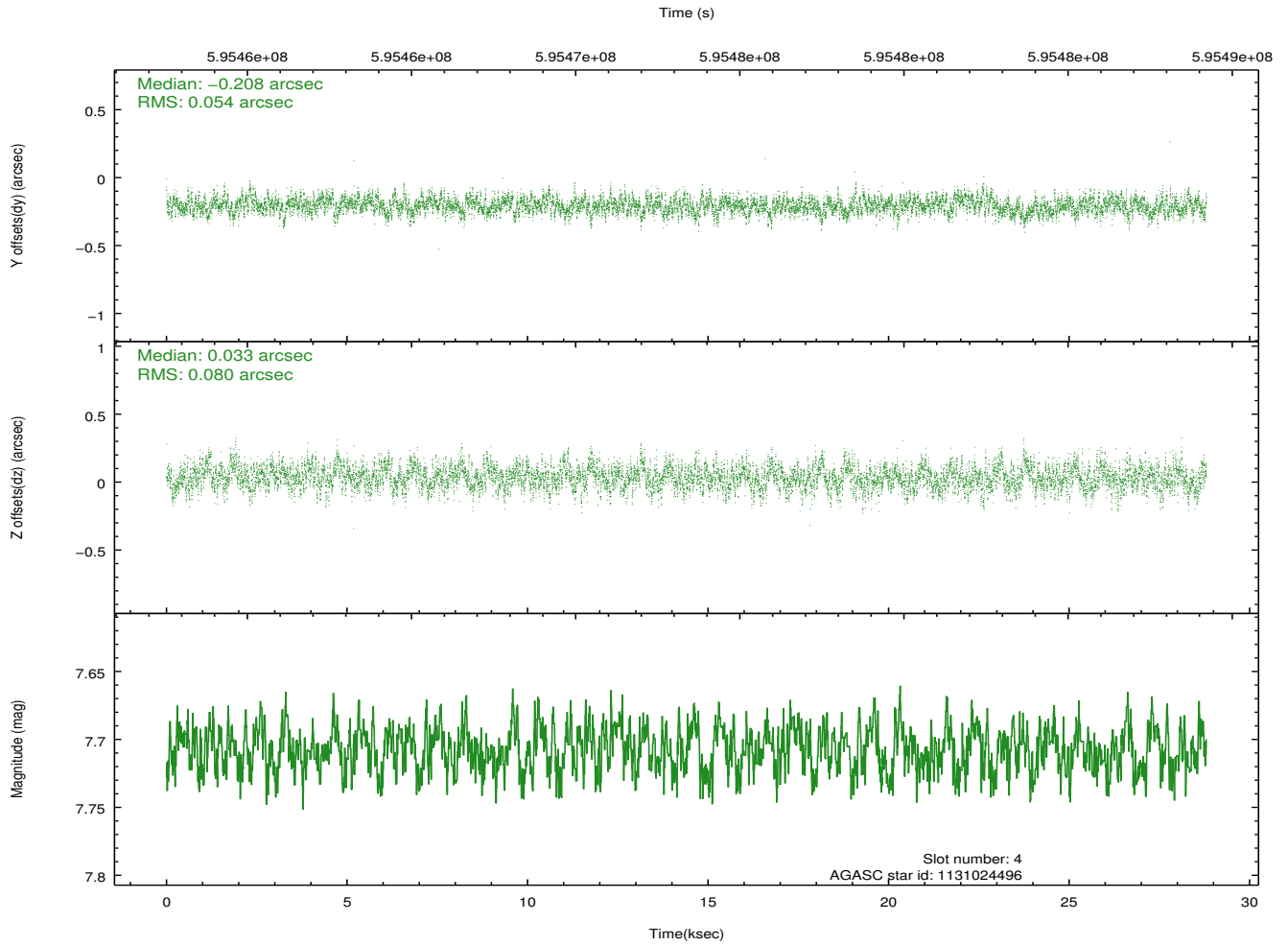
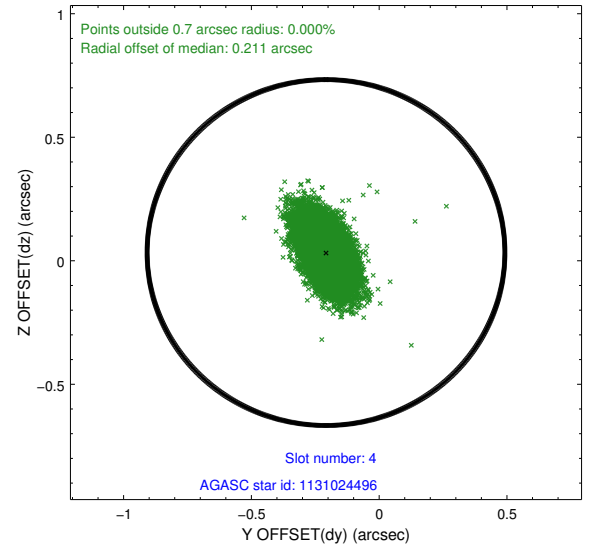
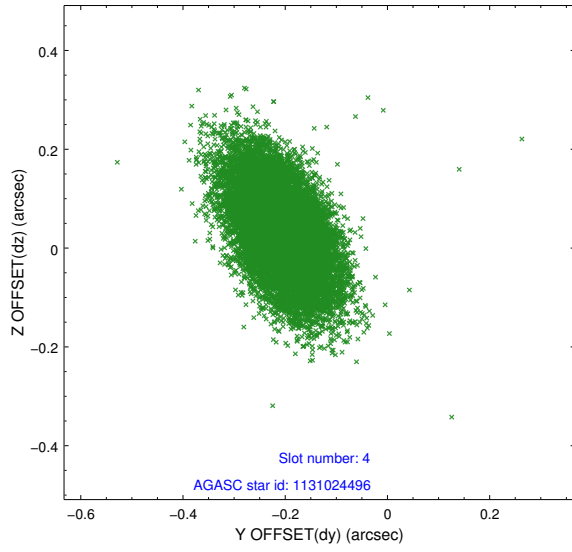
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.12	7026	-0.055	-0.018	0.024	0.041	0.000000	0.000000	925.86	-843.18
1	FID		ACIS-I-4	7.08	7025	0.346	0.061	0.019	0.035	0.000000	0.000000	2146.26	1056.72
2	FID		ACIS-I-5	7.12	7027	-0.389	0.027	0.013	0.021	0.000000	0.000000	-1822.46	1054.45
3	GUIDE	used	1131022840	8.11	14048	0.272	0.221	0.133	0.220	171.962816	-58.680484	1565.02	-2065.57
4	GUIDE	used	1131024496	7.71	14044	-0.208	0.033	0.099	0.174	170.002192	-59.188051	986.94	1967.66
5	GUIDE	used	1131026672	6.89	14053	-0.174	-0.532	0.109	0.178	170.822180	-58.787471	1888.76	75.63
6	GUIDE	used	1131027296	7.51	14050	-0.051	-0.147	0.099	0.159	170.725176	-59.738880	-1307.03	1321.01
7	GUIDE	used	1131031496	9.20	14041	0.164	0.426	0.180	0.279	172.870280	-59.671594	-2358.50	-2436.36

2.4 Star Slots

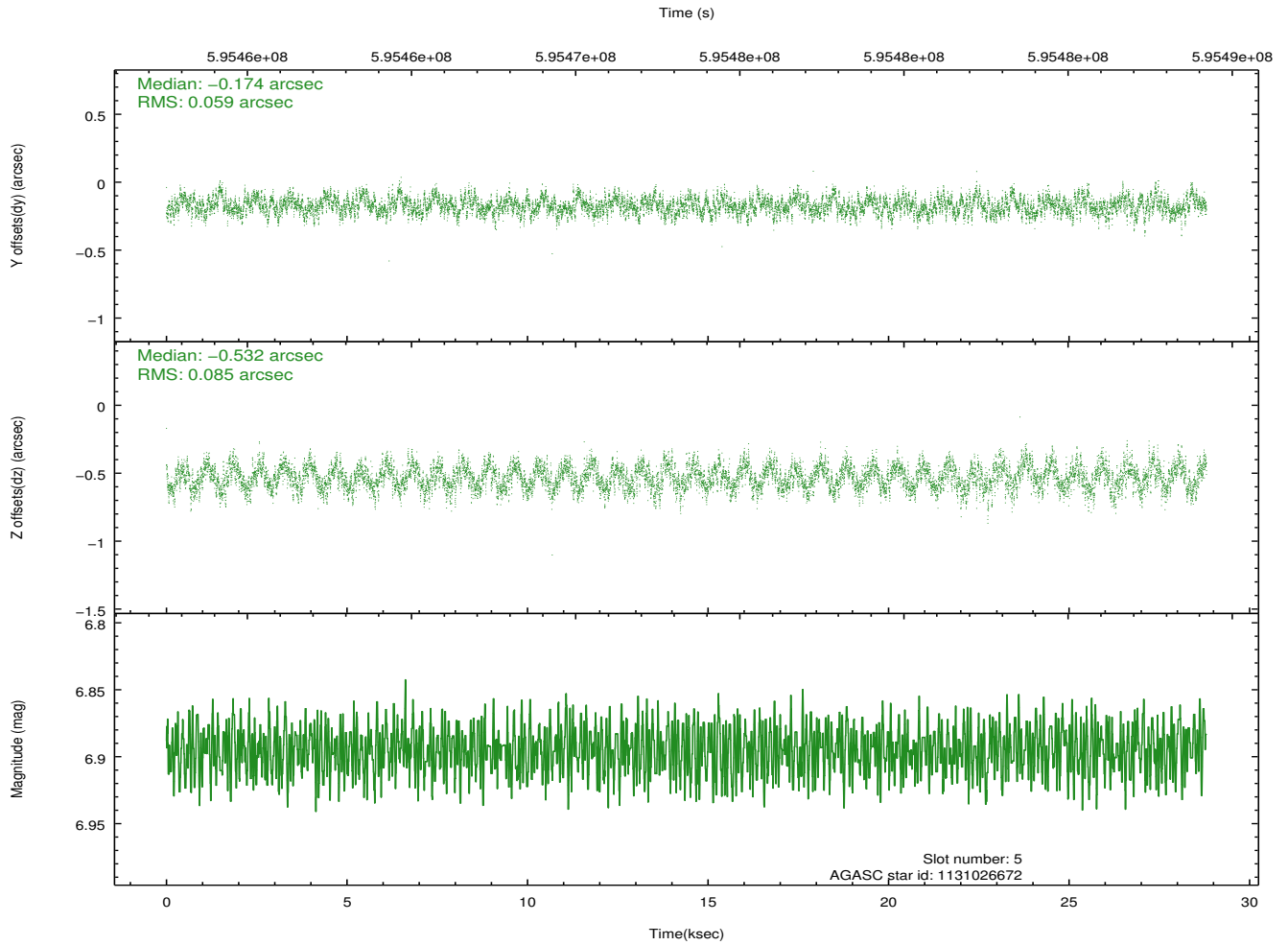
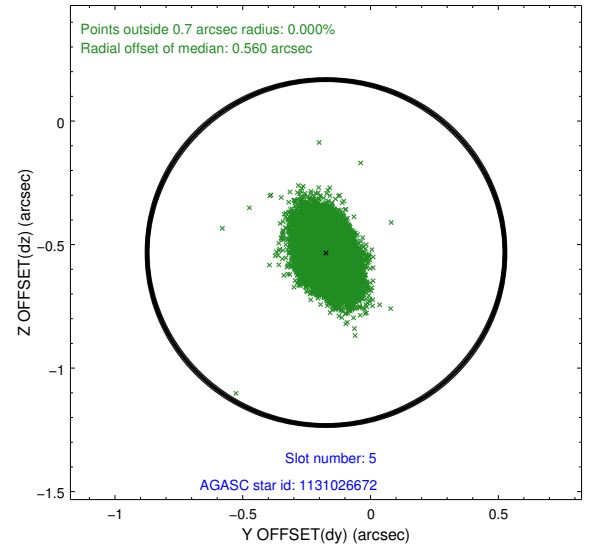
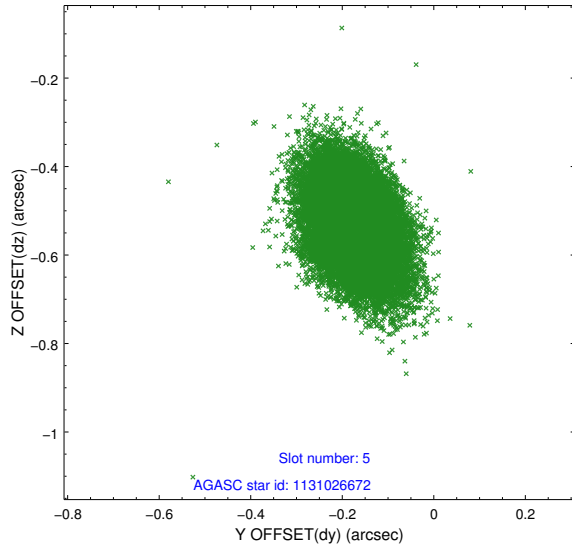
2.4.1 Slot 3



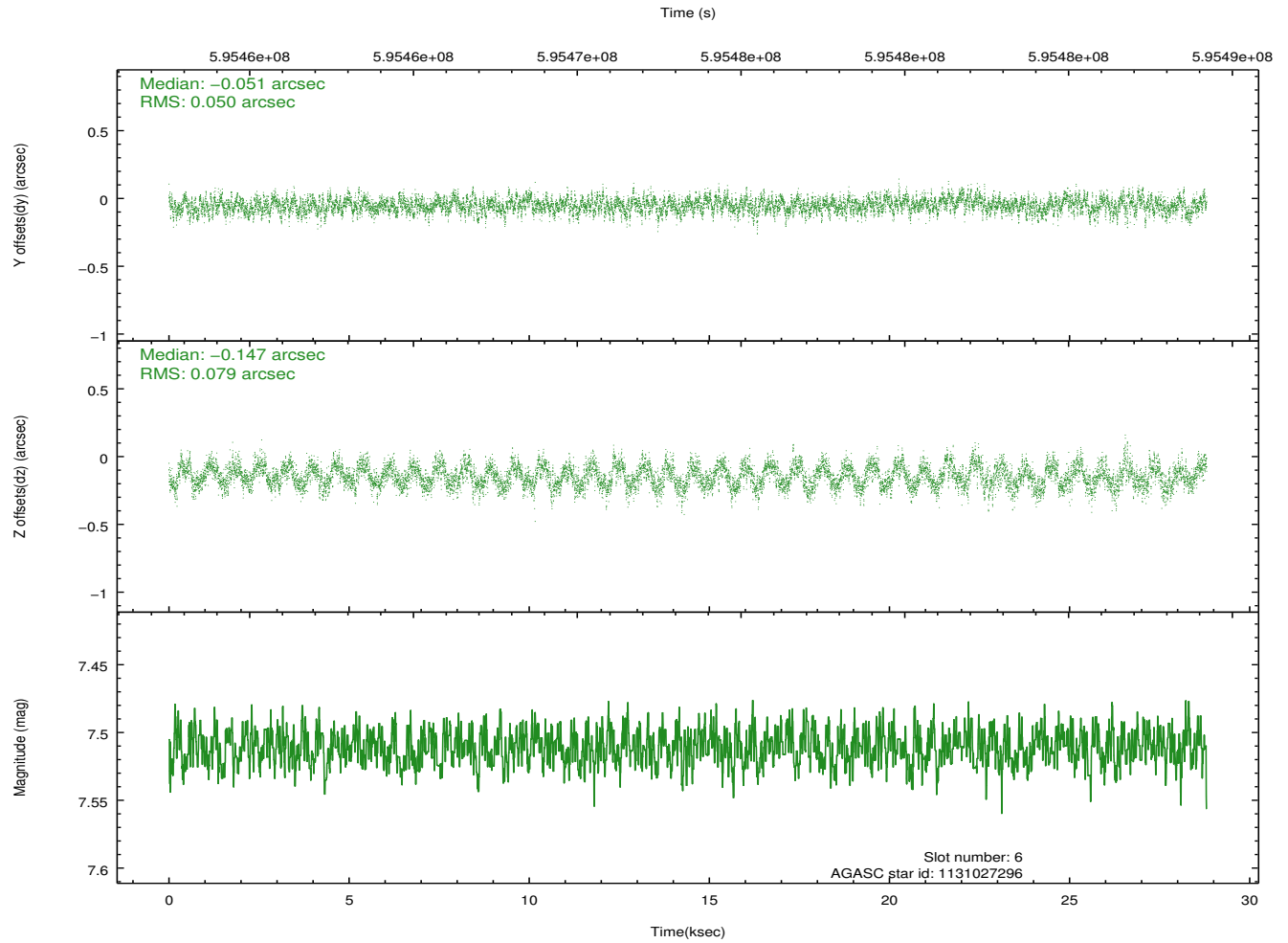
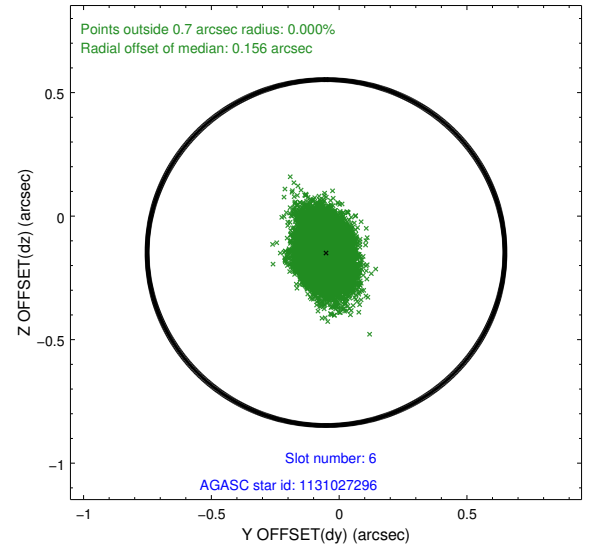
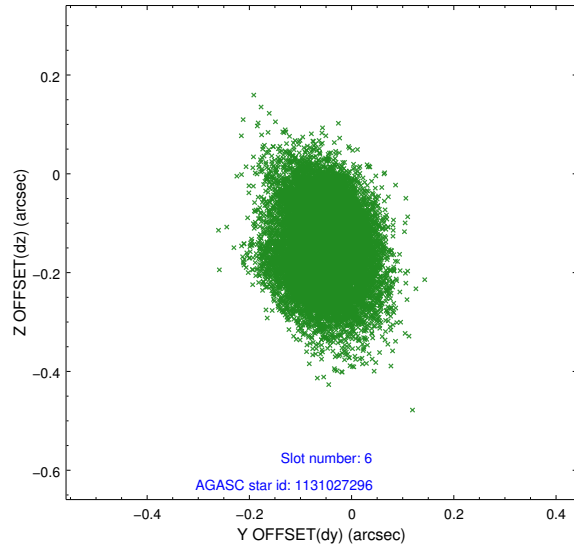
2.4.2 Slot 4



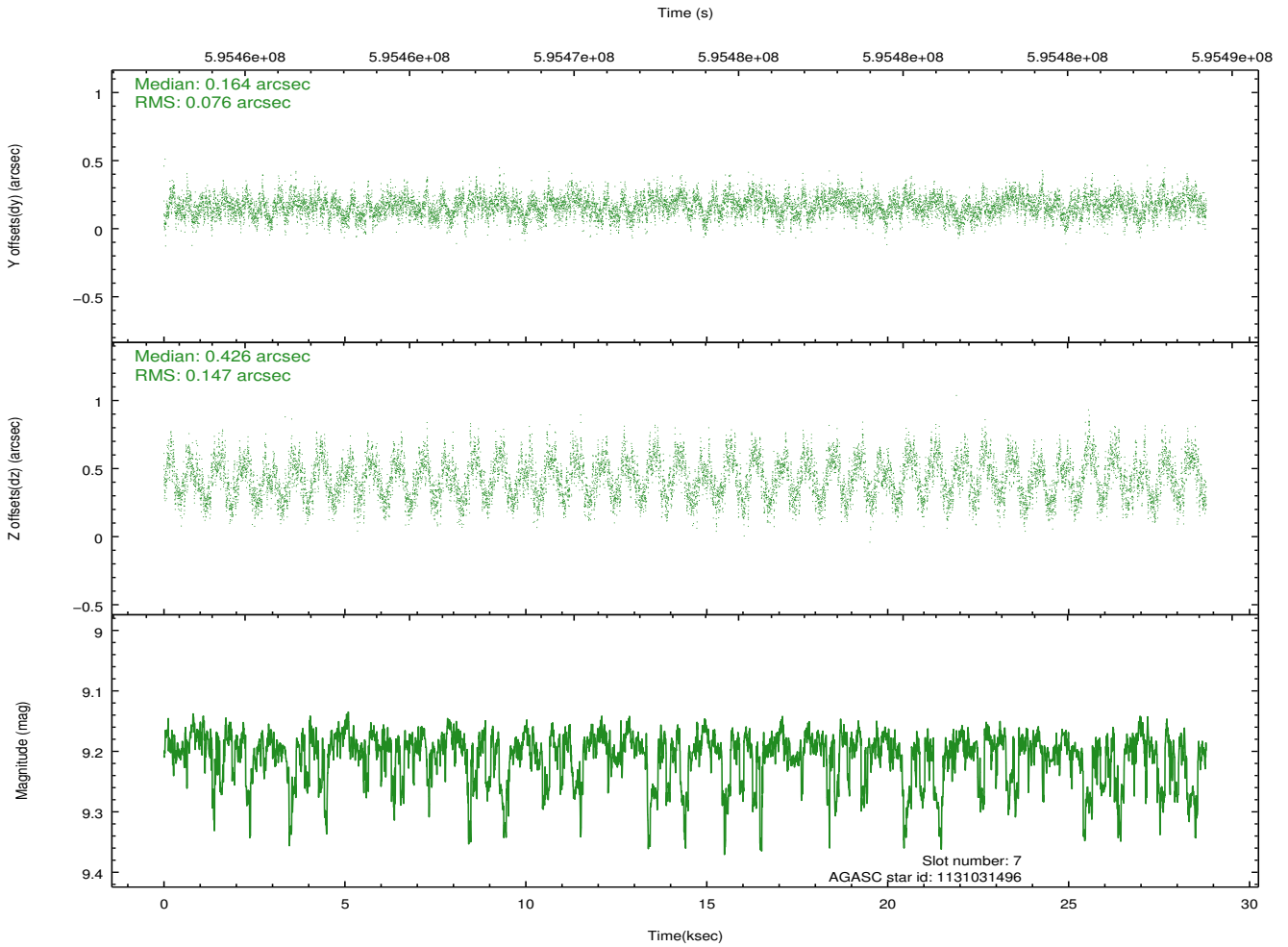
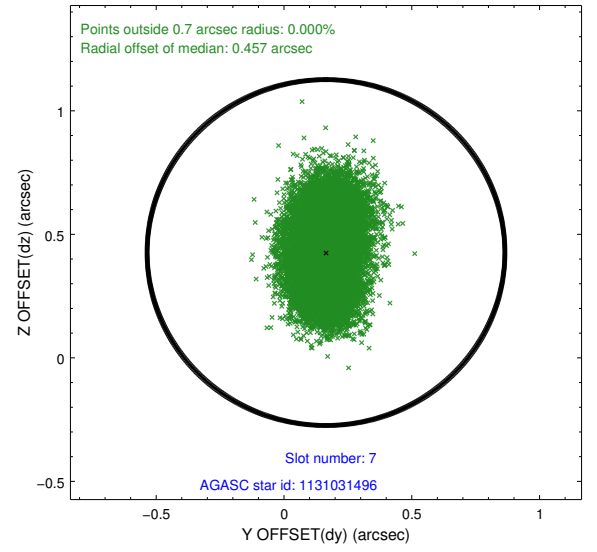
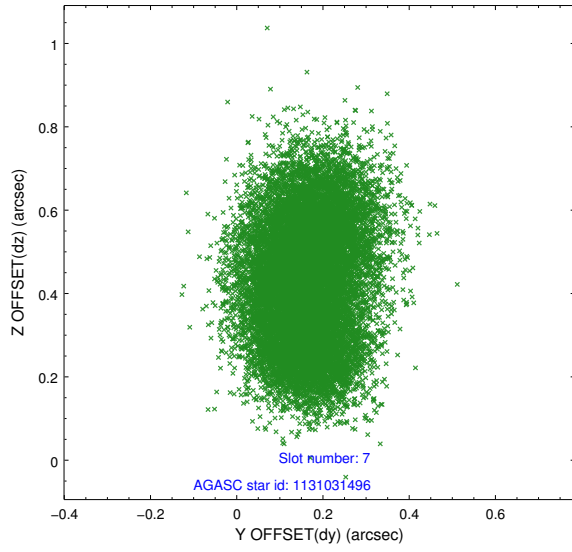
2.4.3 Slot 5



2.4.4 Slot 6

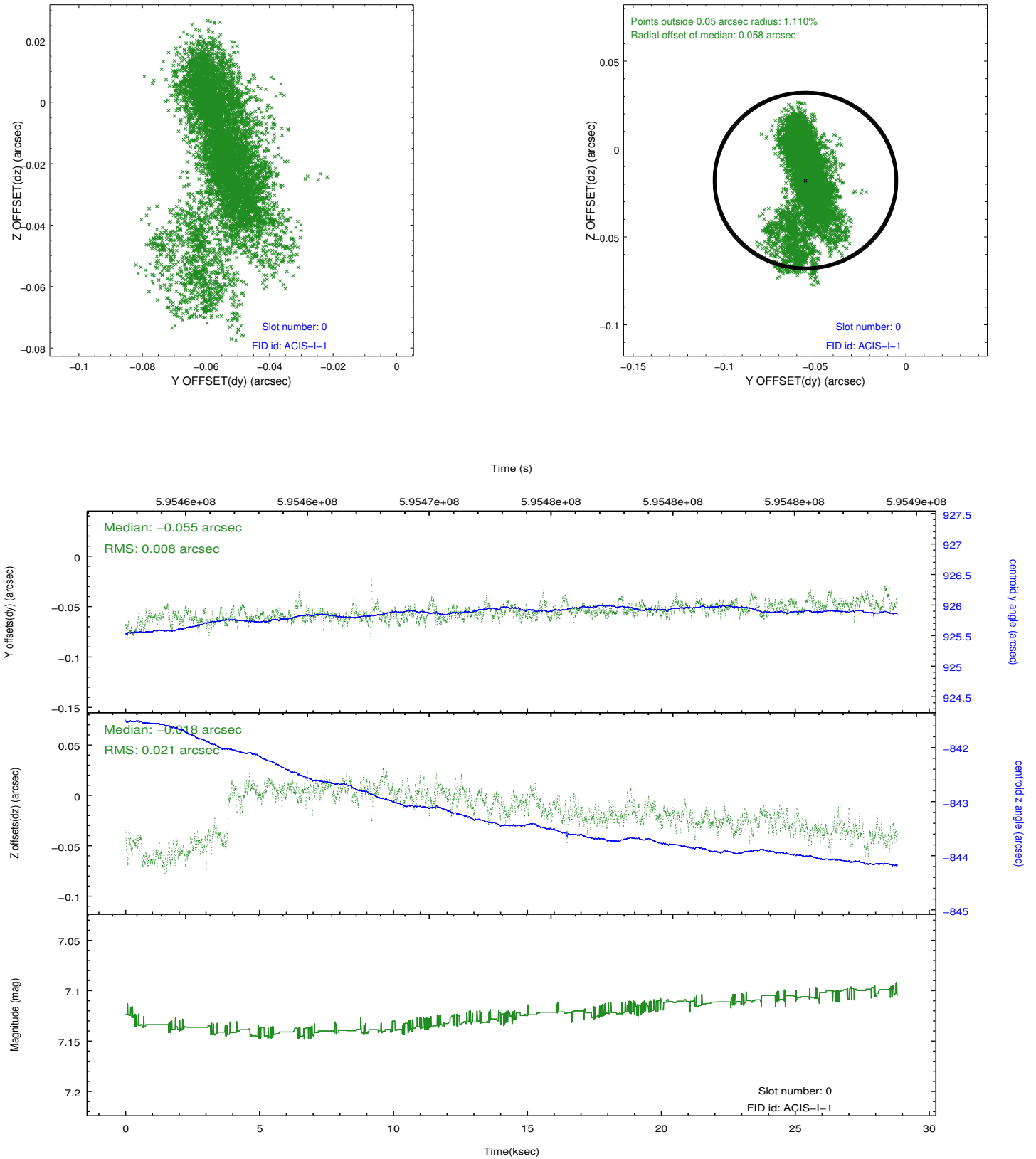


2.4.5 Slot 7

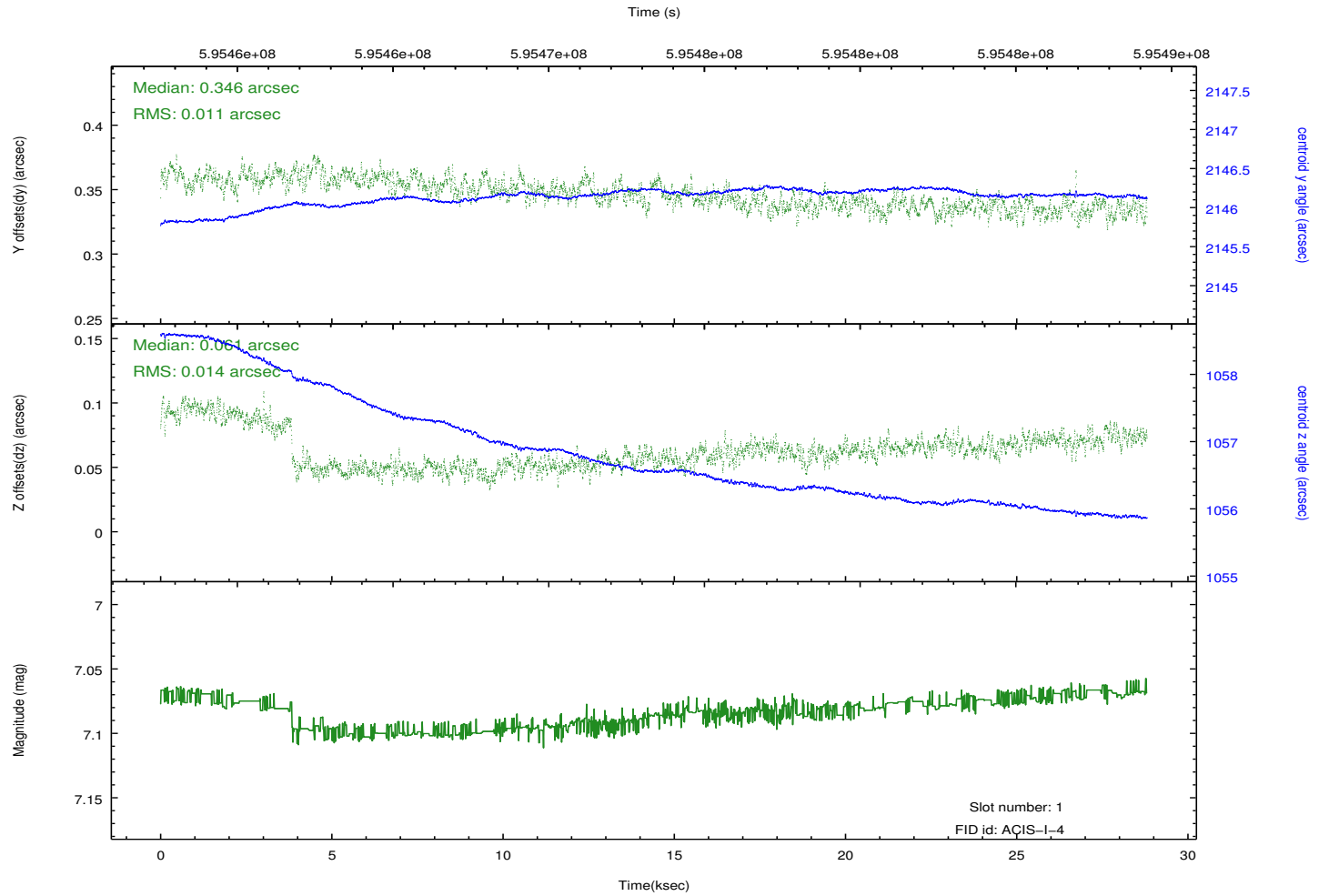
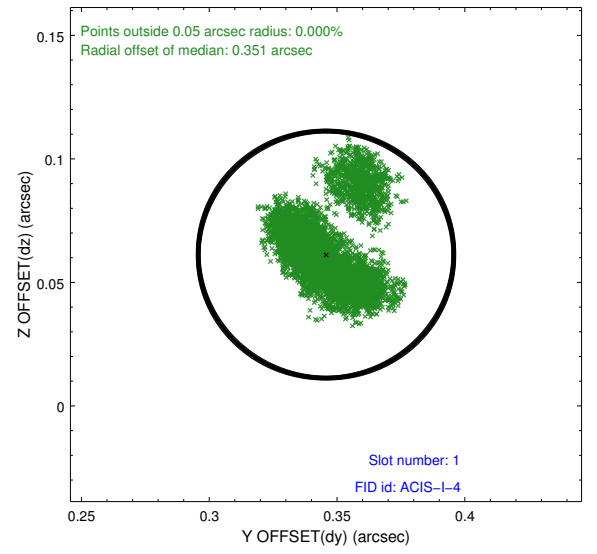
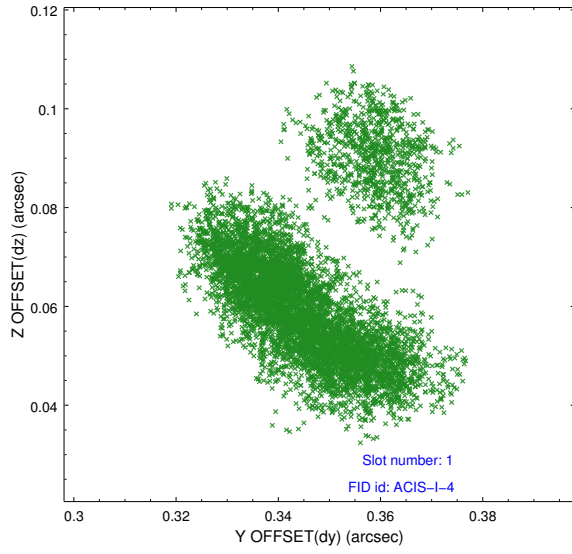


2.5 FID Slots

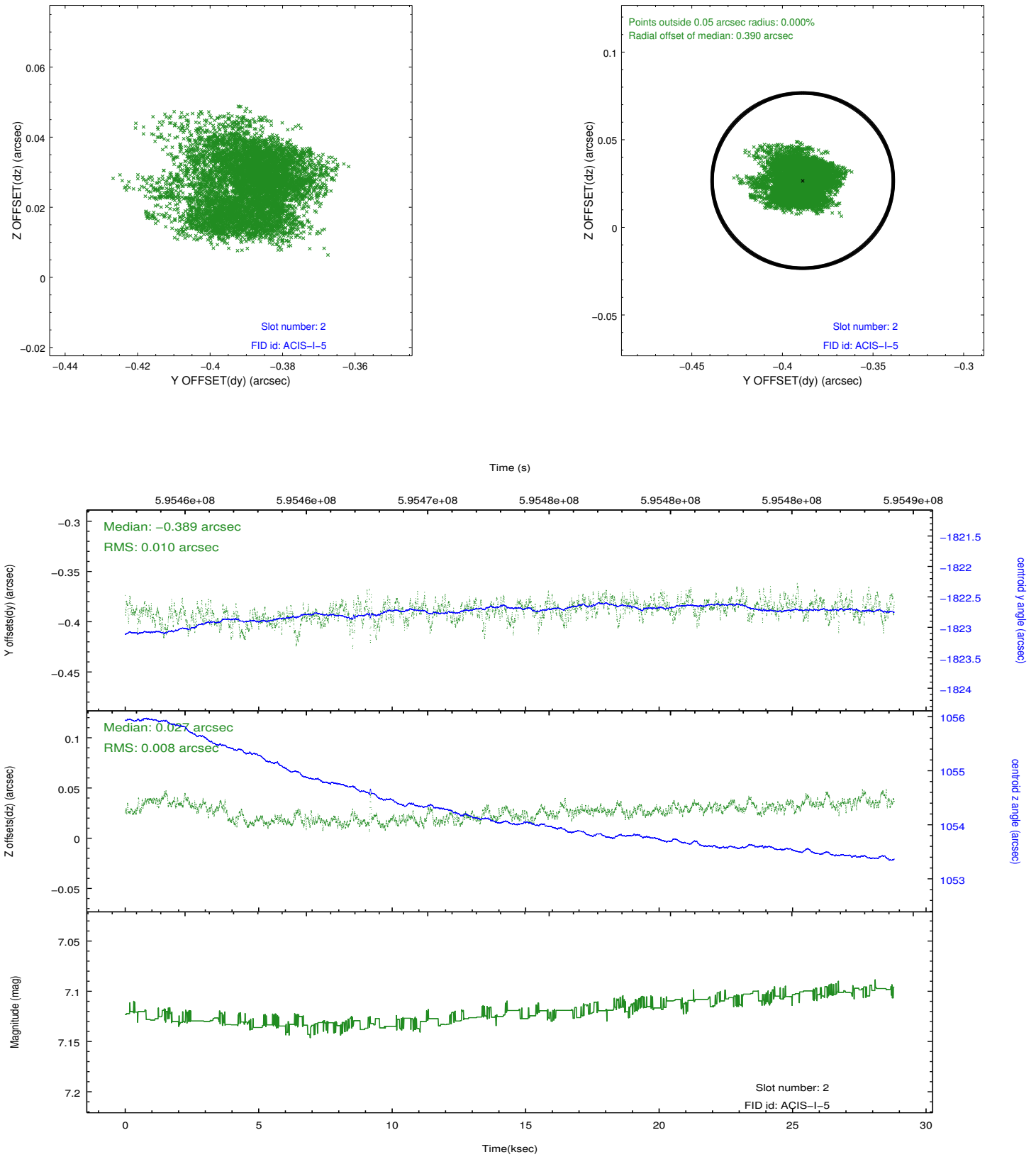
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.120039898992

A.2 Comments