

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5537 - L2 Version 4
Chandra X-Ray Center

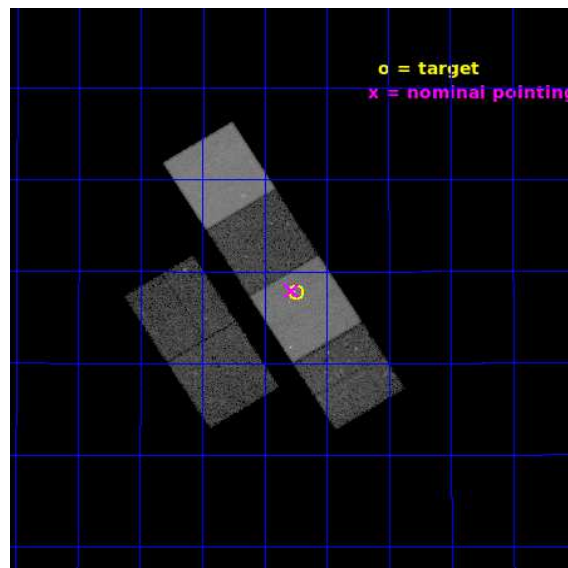
L2 Processing Date : Oct 7 2020

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1 Front

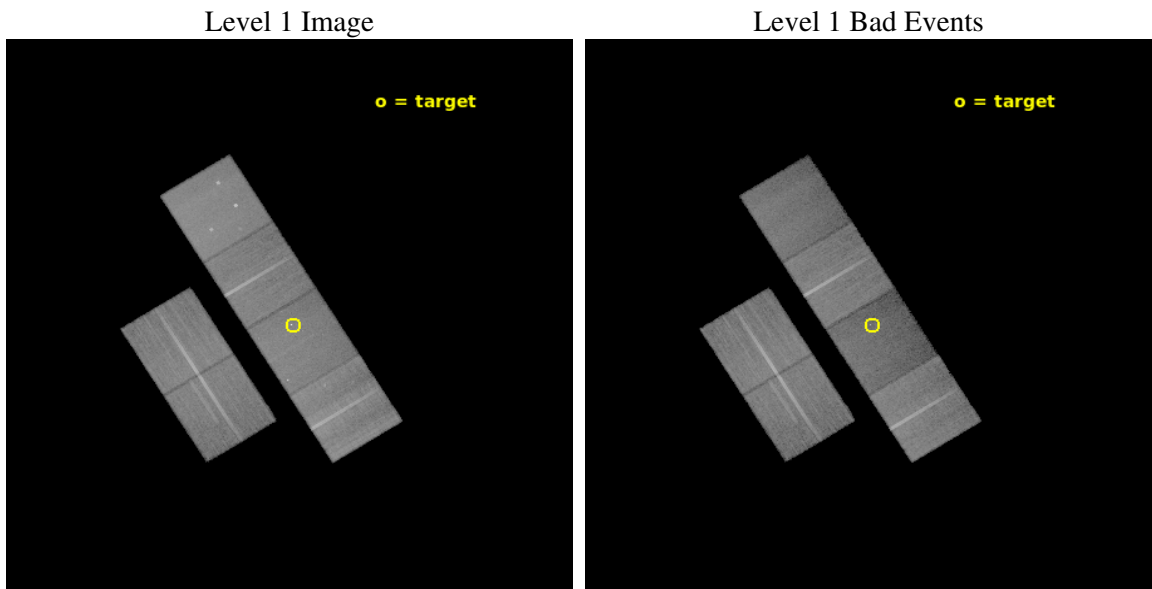
seq_num	500530	Sequence number
obs_id	5537	Observation id
title	RX J193214.6+300741: A young supernova remnant in a low density medium?	Proposal title
observer	Dr. Fangjun Lu	Principal investigator
object	TYC 2655-866-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	293.060833	Observer's specified target RA [deg]
dec_targ	30.128056	Observer's specified target Dec [deg]
ra_nom	293.06997525487	Nominal RA [deg]
dec_nom	30.131915959805	Nominal Dec [deg]
roll_nom	58.10365330107	Nominal Roll [deg]
revision	4	Processing version of data
ontime	35999.99986589	Sum of GTIs [s]
livetime	35544.14619099	Livetime [s]
ontime2	35999.99986589	Sum of GTIs [s]
ontime3	35996.758865714	Sum of GTIs [s]
ontime5	35999.99986589	Sum of GTIs [s]
ontime6	35996.758895636	Sum of GTIs [s]
ontime7	35999.99986589	Sum of GTIs [s]
ontime8	35996.758875698	Sum of GTIs [s]
l2events	316677	Number of level 2 events



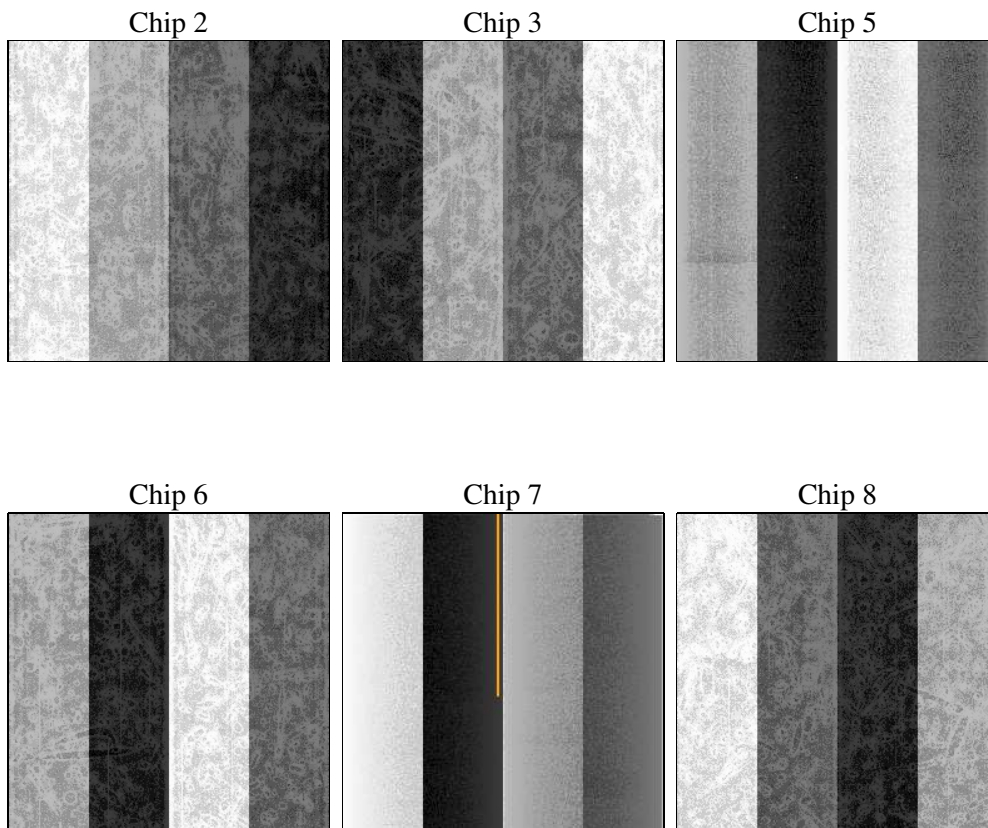
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	36043.691000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	35999.99986589	Sum of GTIs [s]
caldbver	4.9.2	 	ontime2	35999.99986589	Sum of GTIs [s]
date	2020-10-07T03:28:48	Date and time of file creation	ontime3	35996.758865714	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	35999.99986589	Sum of GTIs [s]
			ontime6	35996.758895636	Sum of GTIs [s]
			ontime7	35999.99986589	Sum of GTIs [s]
			ontime8	35996.758875698	Sum of GTIs [s]
			l1events	1378050	Number of level 1 events

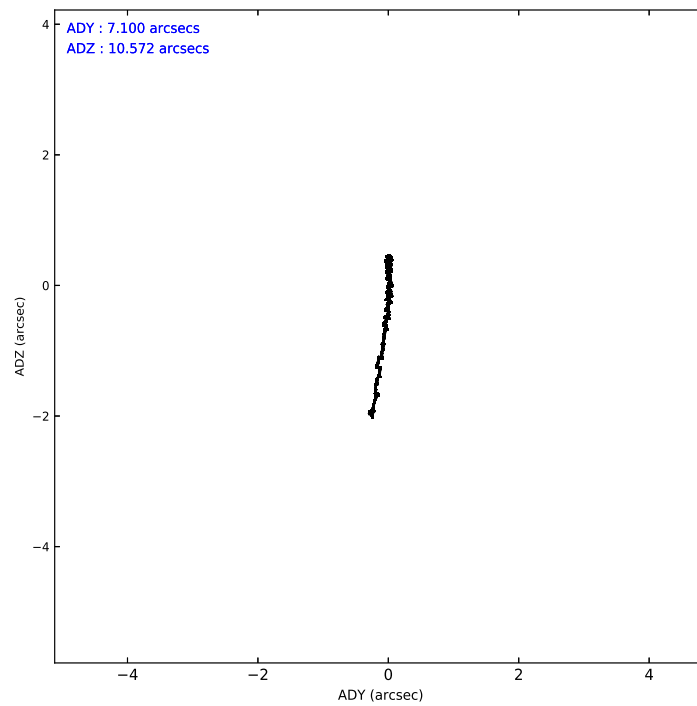
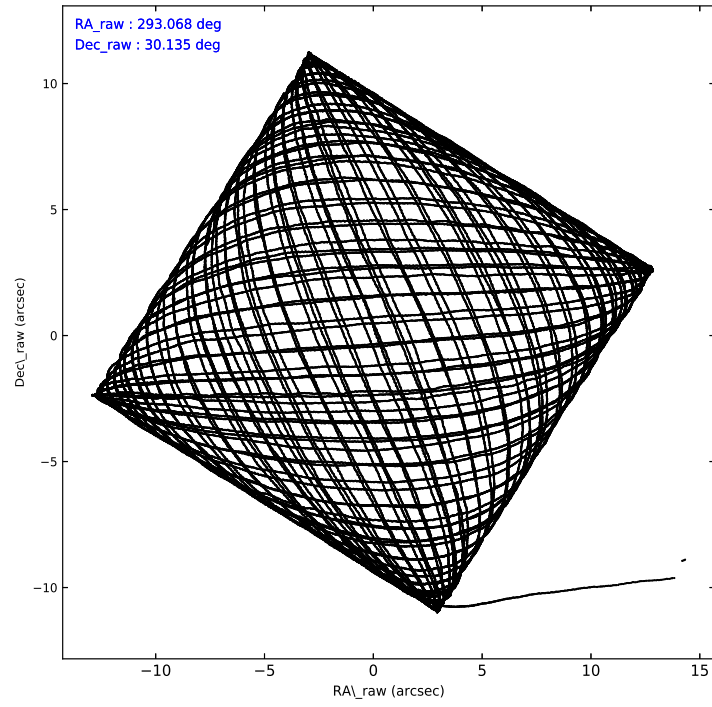
2.1.4 Events

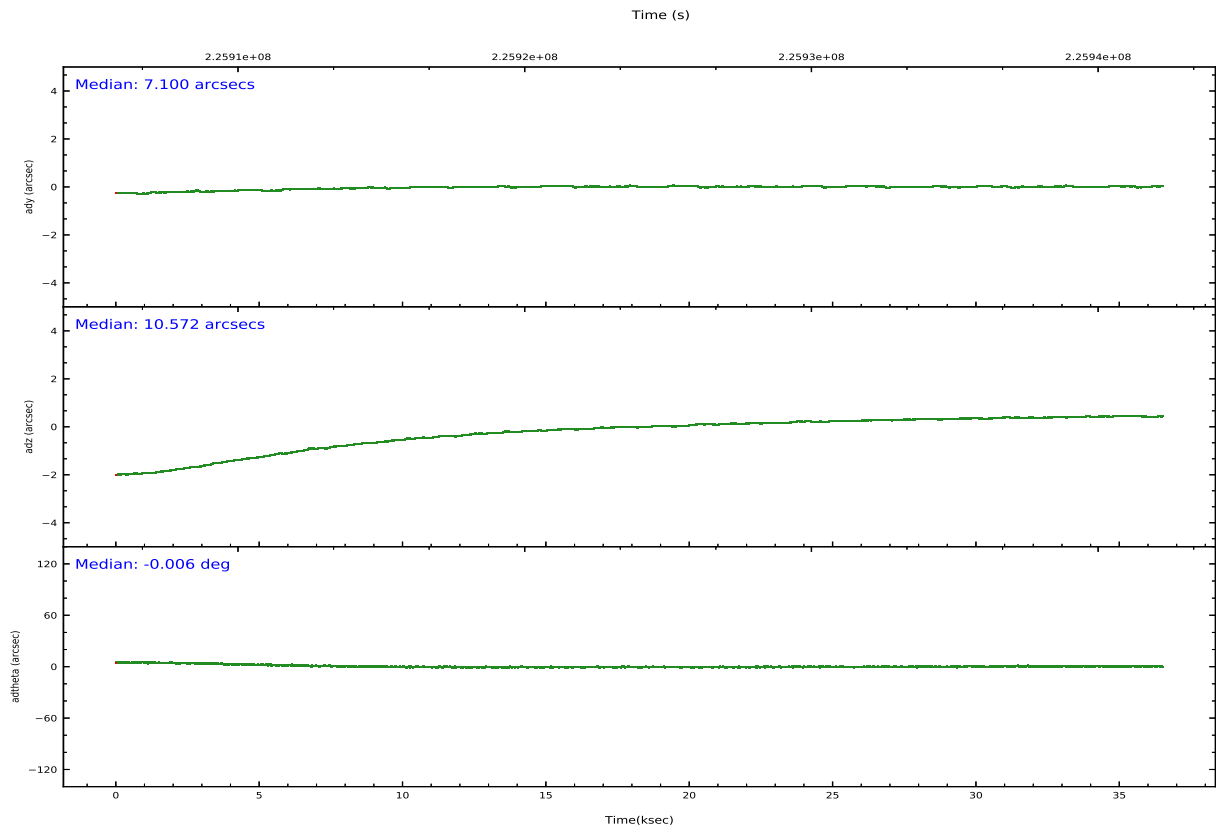
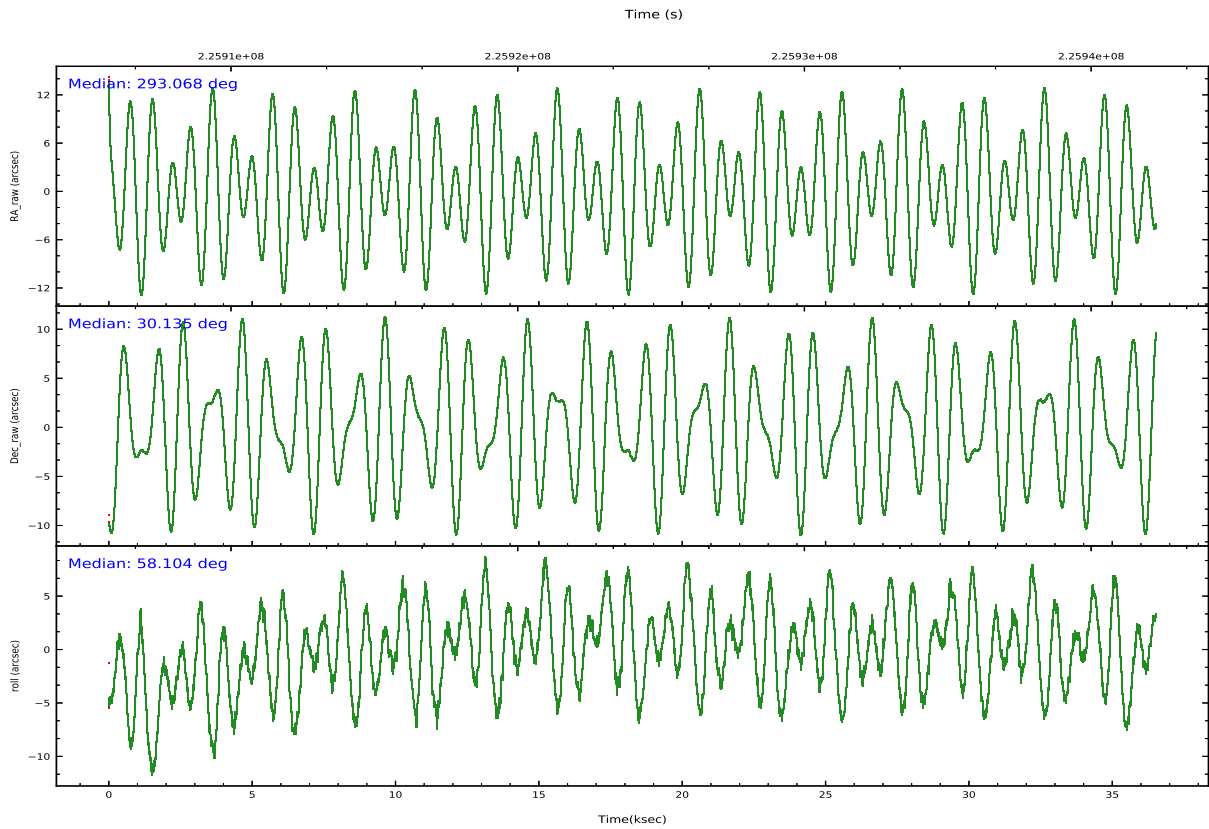
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	224399	201291	263938	214148	209443	264831	grade 0 events	8982	8216	17761	10029	13431	20294
rejected events	202493	180726	121377	190547	101037	198141		4%	4%	6%	4%	6%	7%
rejected %	90%	89%	45%	88%	48%	74%	grade 1 events	129	97	292	121	238	195
								0%	0%	0%	0%	0%	0%
							grade 2 events	4986	4197	42070	4714	23340	14918
								2%	2%	15%	2%	11%	5%
							grade 3 events	2230	2236	7133	2460	10931	7255
								0%	1%	2%	1%	5%	2%
							grade 4 events	2265	2236	6805	2225	10524	6889
								1%	1%	2%	1%	5%	2%
							grade 5 events	6056	7007	21661	7126	21828	10792
								2%	3%	8%	3%	10%	4%
							grade 6 events	3446	3682	68803	4175	50191	17345
								1%	1%	26%	1%	23%	6%
							grade 7 events	196305	173620	99413	183298	78960	187143
								87%	86%	37%	85%	37%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-235678	ACIS-235678	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	293.067702	293.06997525487	Subarray requested	NONE	NONE
[deg] Pointing Dec	30.108019	30.131915959805	Alternating exposures requested	N	N
[deg] Pointing Roll	57.944185	58.10365330107	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	225906223.184000	225905057.512			
Observation start date	2005-02-27T15:42:39	2005-02-27T15:24:17			
[s] Observation end time (MET)	225942267.184000	225942492.5637			
Observation end date	2005-02-28T01:43:23	2005-02-28T01:48:12			
Read mode	TIMED	TIMED			

2.3 Aspect



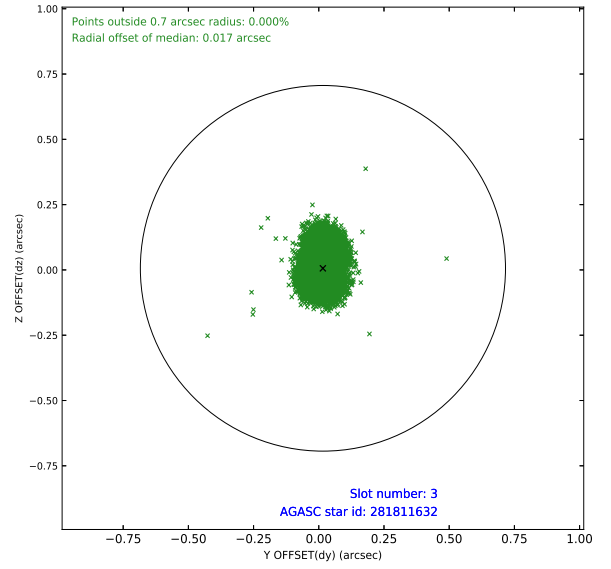
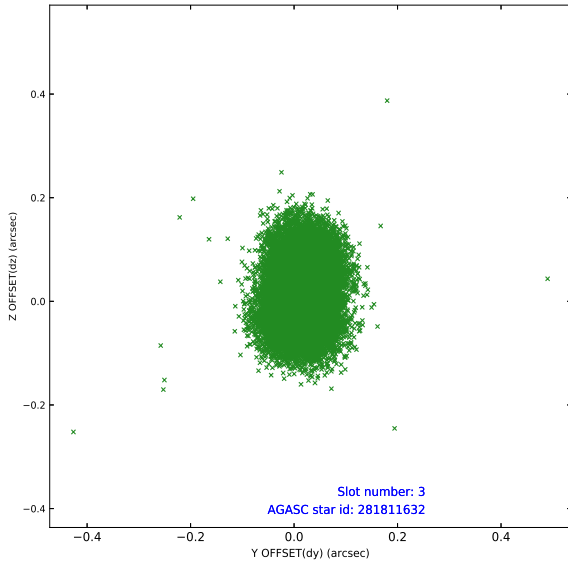


Slot Statistics

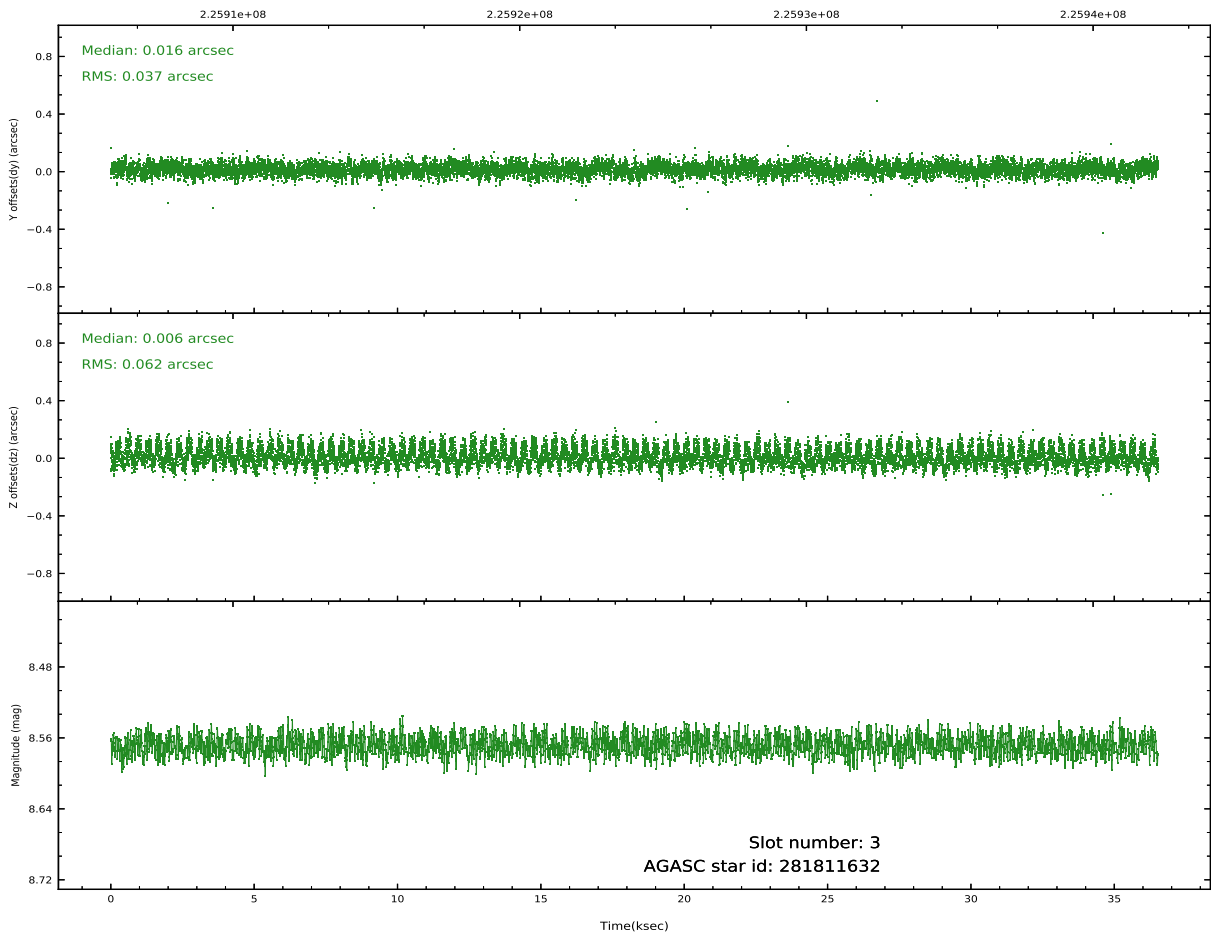
slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		ACIS-S-2	7.10	8910	1.000	-0.077	-0.058	0.011	0.030	0.000000	0.000000	-759.84	-1731
1	FID		ACIS-S-4	7.21	8910	1.000	0.144	0.053	0.008	0.014	0.000000	0.000000	2153.58	177
2	FID		ACIS-S-5	7.23	8910	1.000	-0.099	0.014	0.009	0.028	0.000000	0.000000	-1812.72	170
3	GUIDE	used	281811632	8.57	17814	1.000	0.016	0.006	0.077	0.123	293.312173	29.710666	-805.64	-1406
4	GUIDE	used	281816456	8.20	17814	1.000	-0.010	0.025	0.055	0.089	293.134806	29.851343	-671.70	-667
5	GUIDE	used	281817520	9.16	17812	1.000	0.059	0.031	0.082	0.130	293.098850	29.639023	-1378.97	-978
6	GUIDE	used	348027672	8.93	17816	1.000	-0.135	-0.134	0.059	0.096	293.028842	30.787352	2008.95	1399
7	GUIDE	used	348018632	8.79	17810	1.000	0.072	0.072	0.064	0.103	293.088798	30.882026	2396.53	1424

2.4 Star Slots

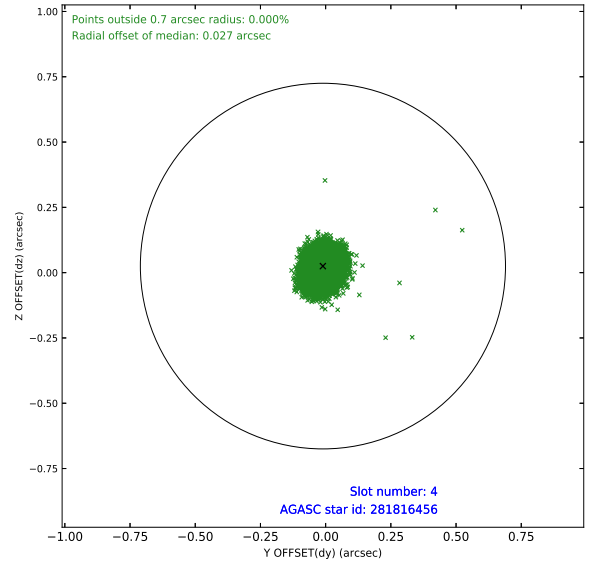
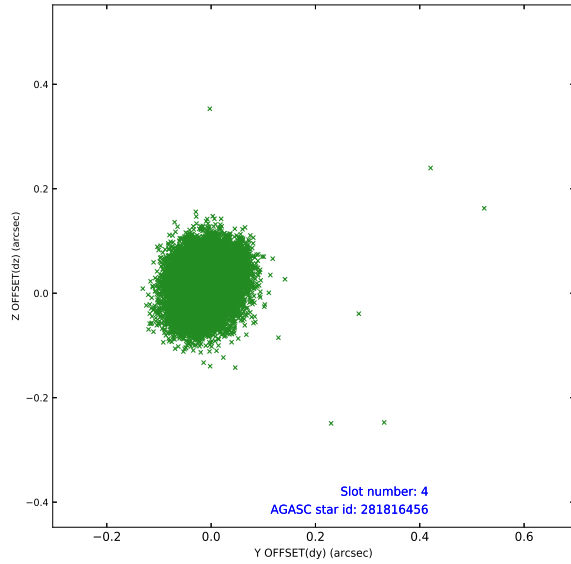
2.4.1 Slot 3



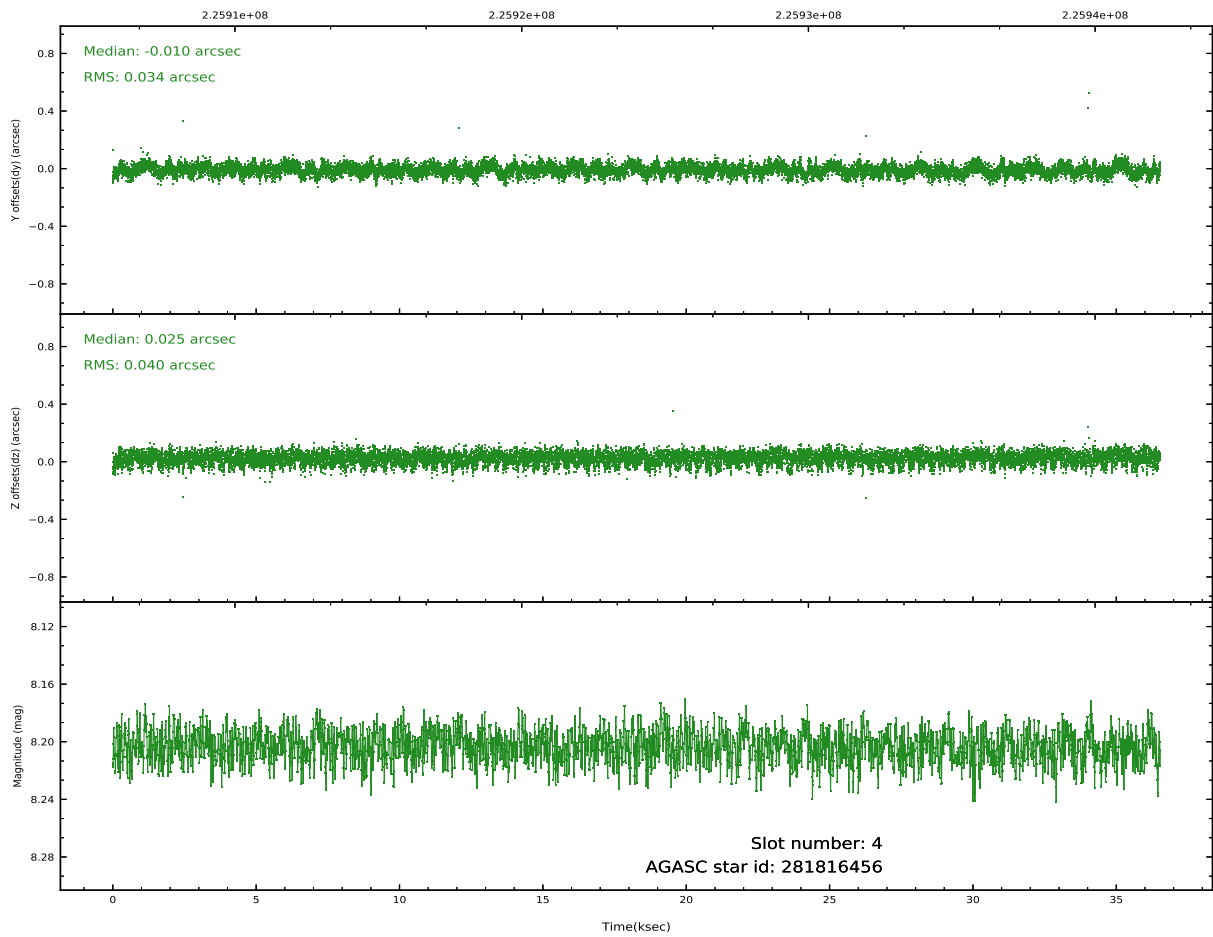
Time (s)



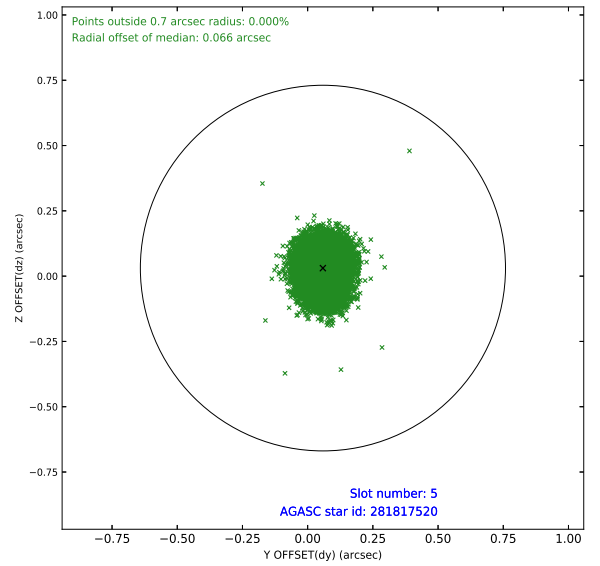
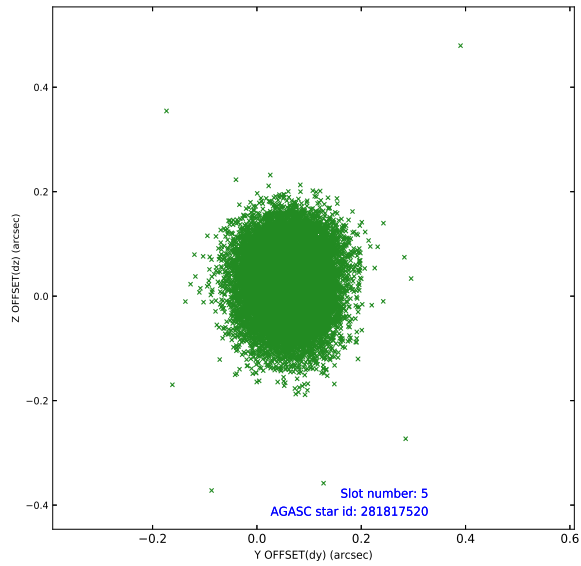
2.4.2 Slot 4



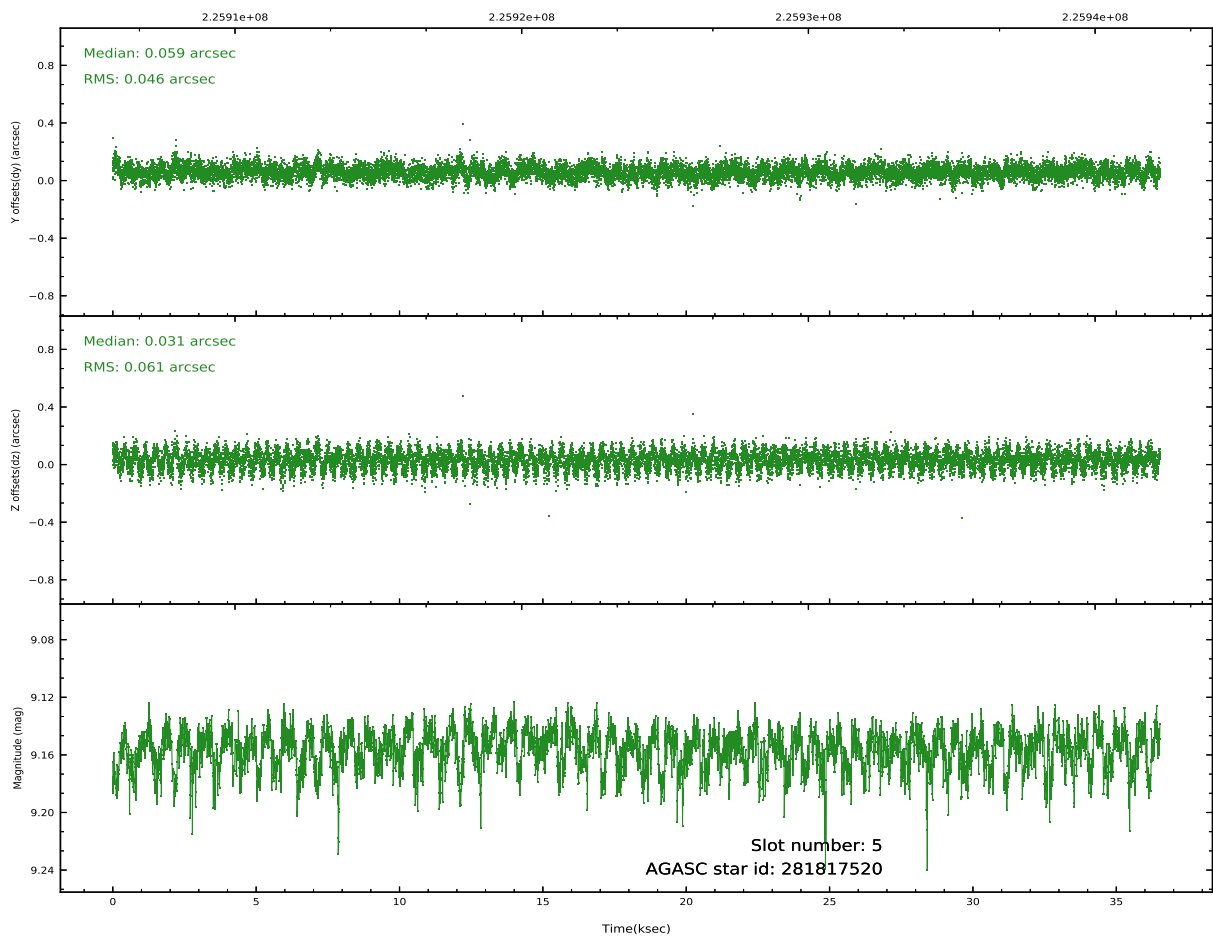
Time (s)



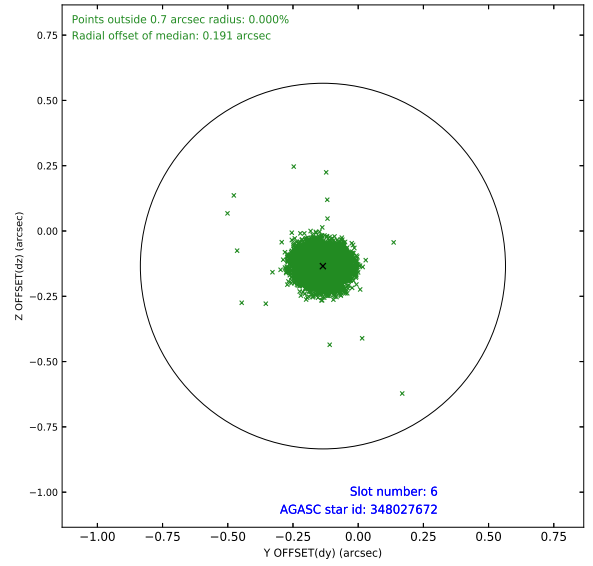
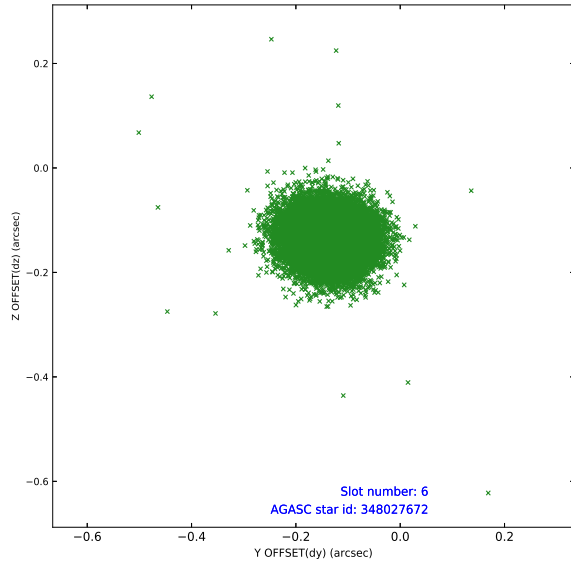
2.4.3 Slot 5



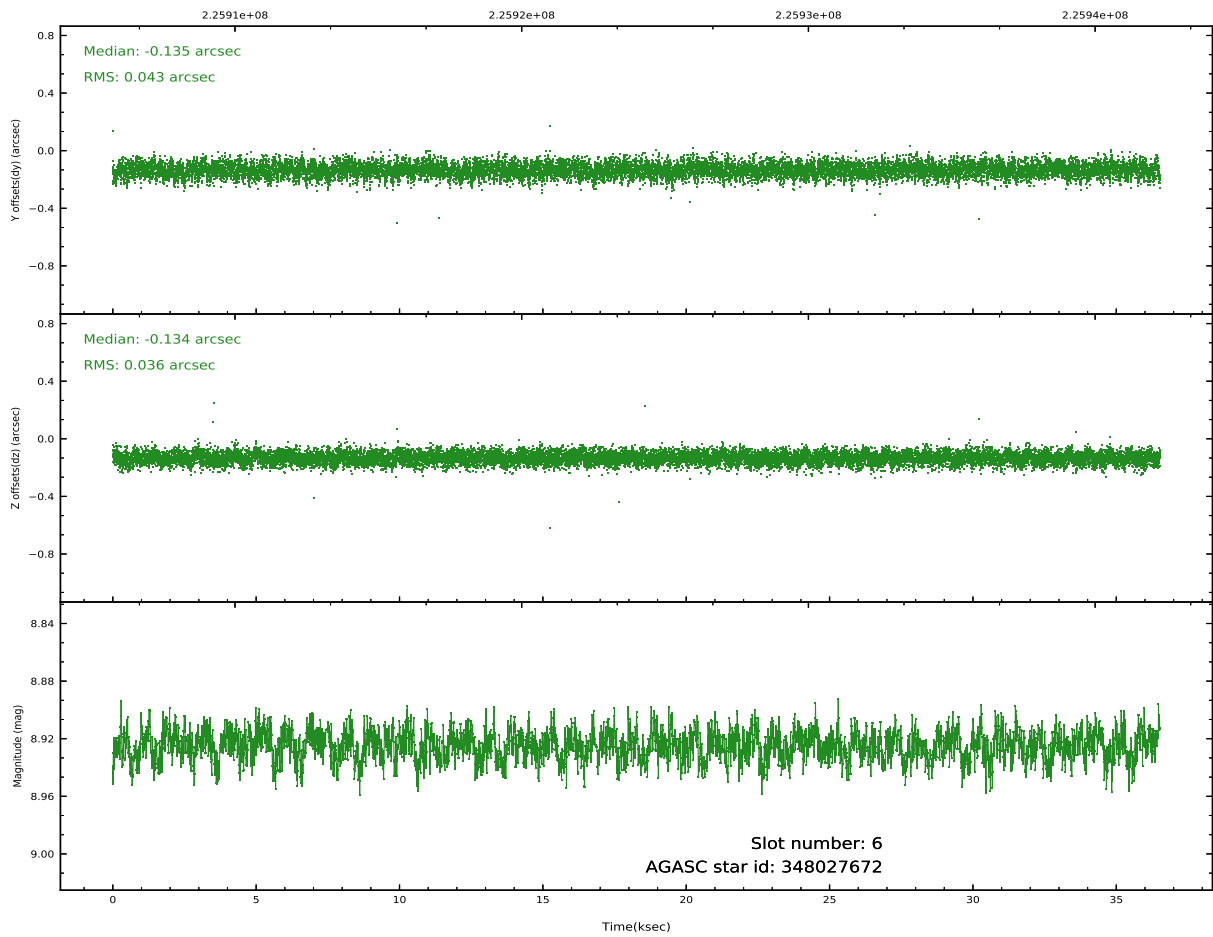
Time (s)



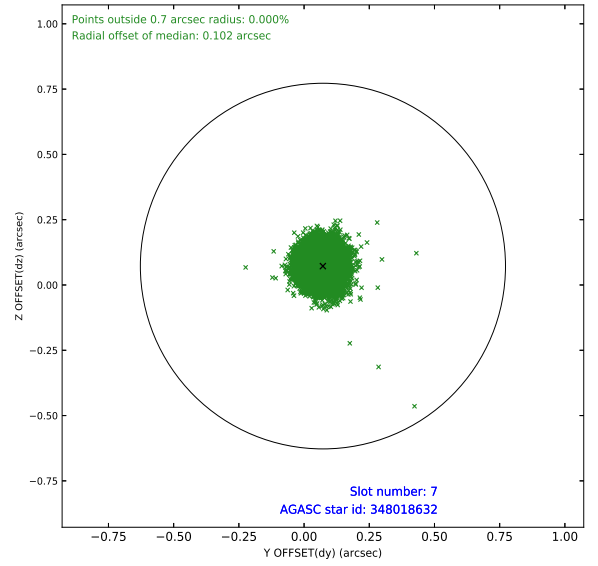
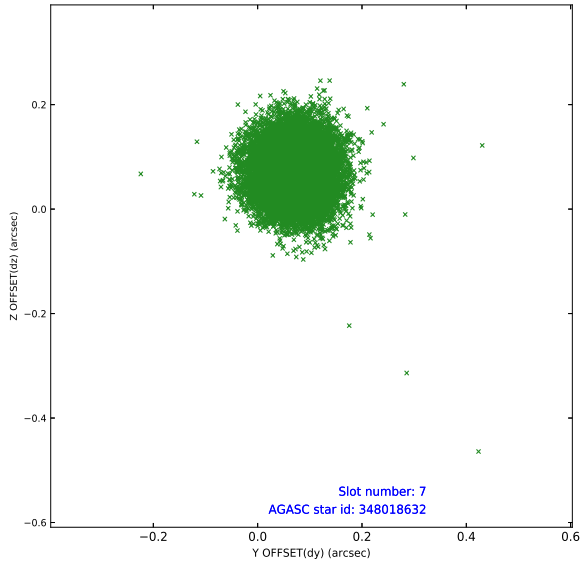
2.4.4 Slot 6



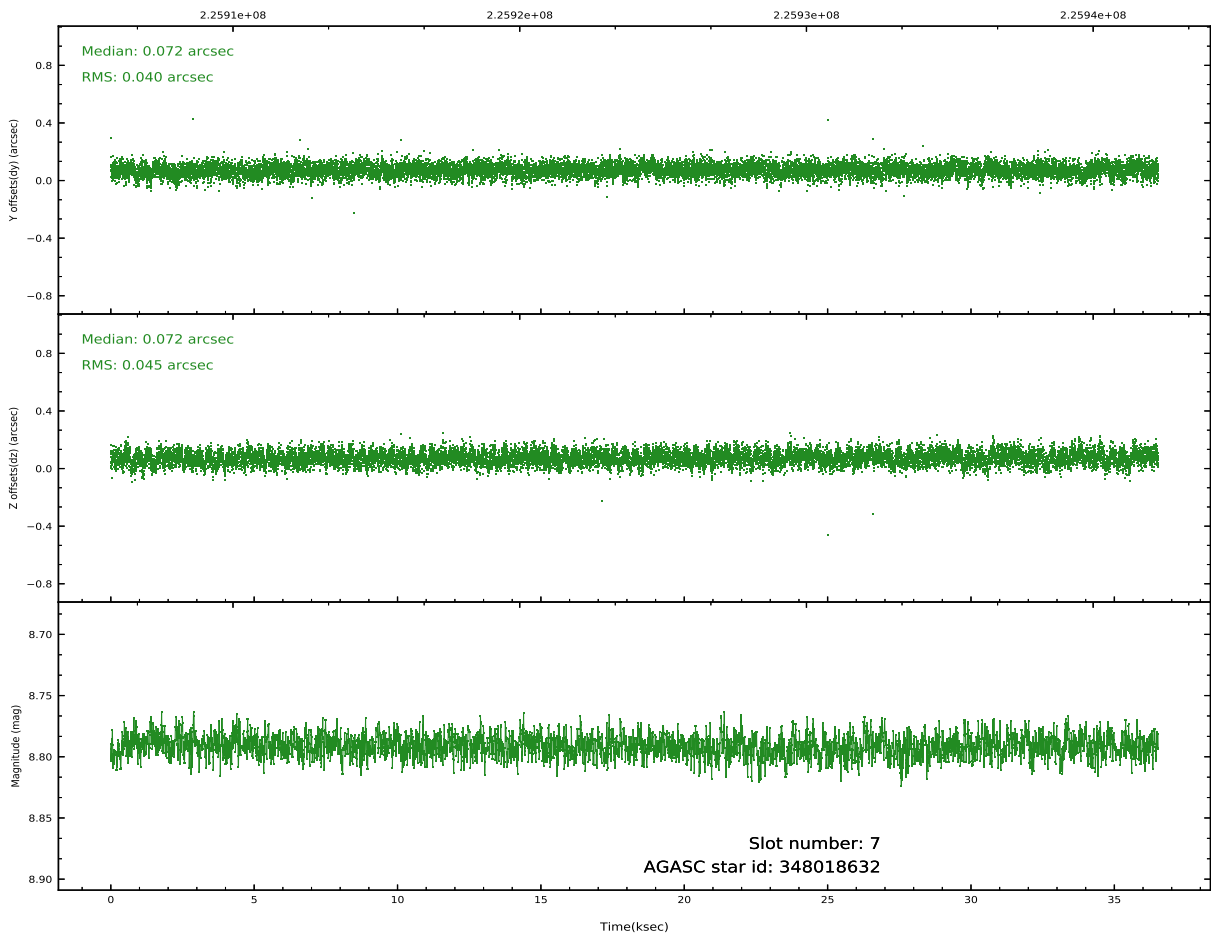
Time (s)



2.4.5 Slot 7

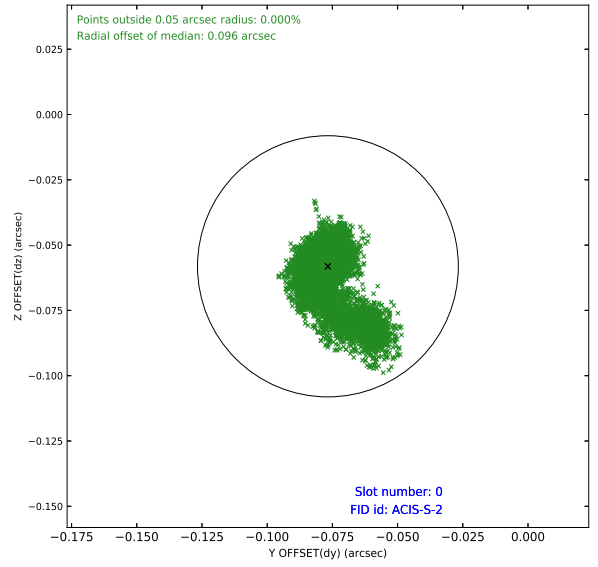
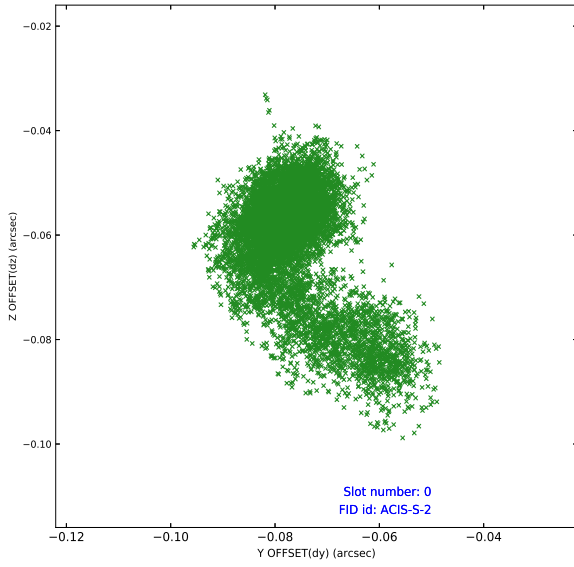


Time (s)

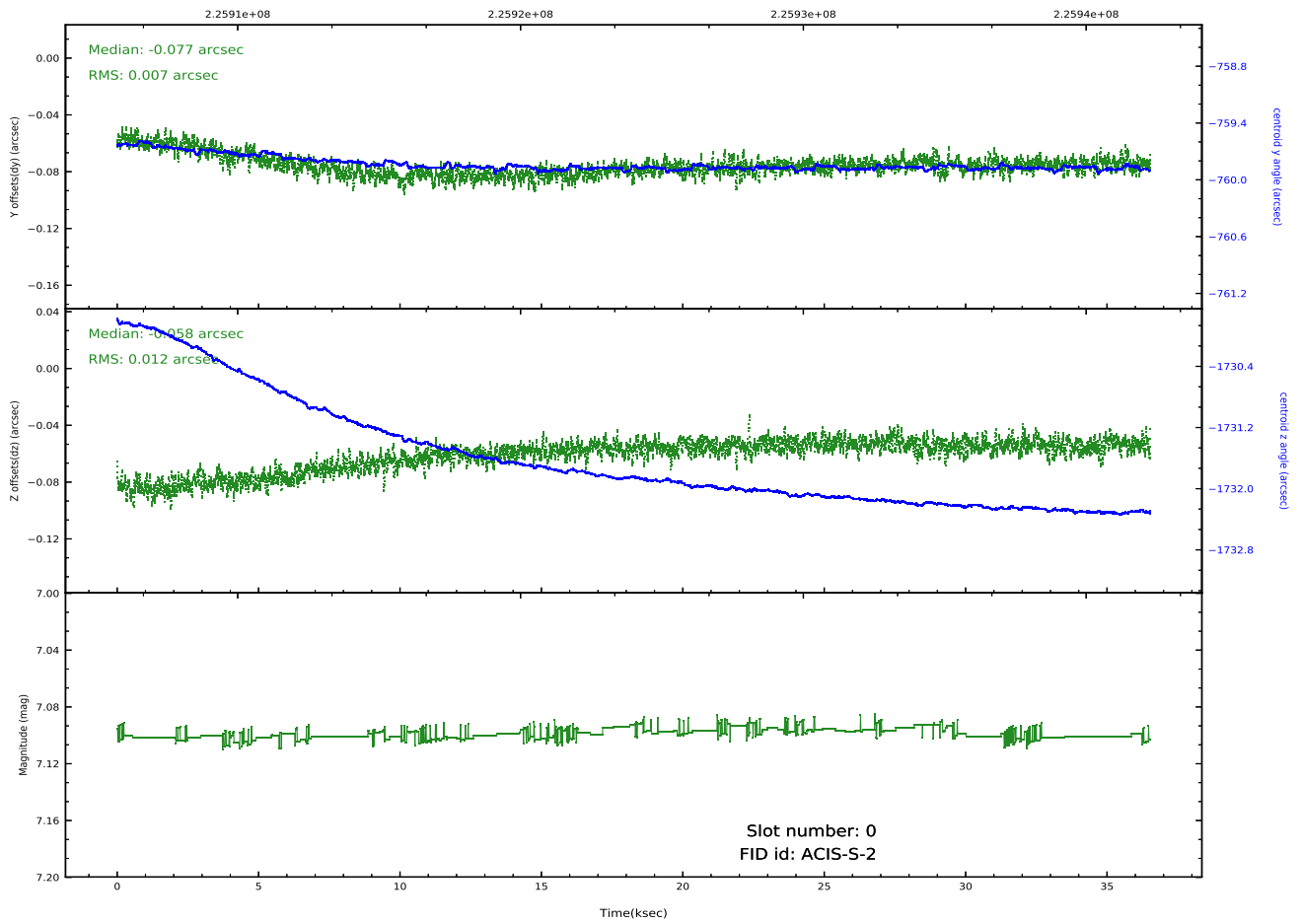


2.5 FID Slots

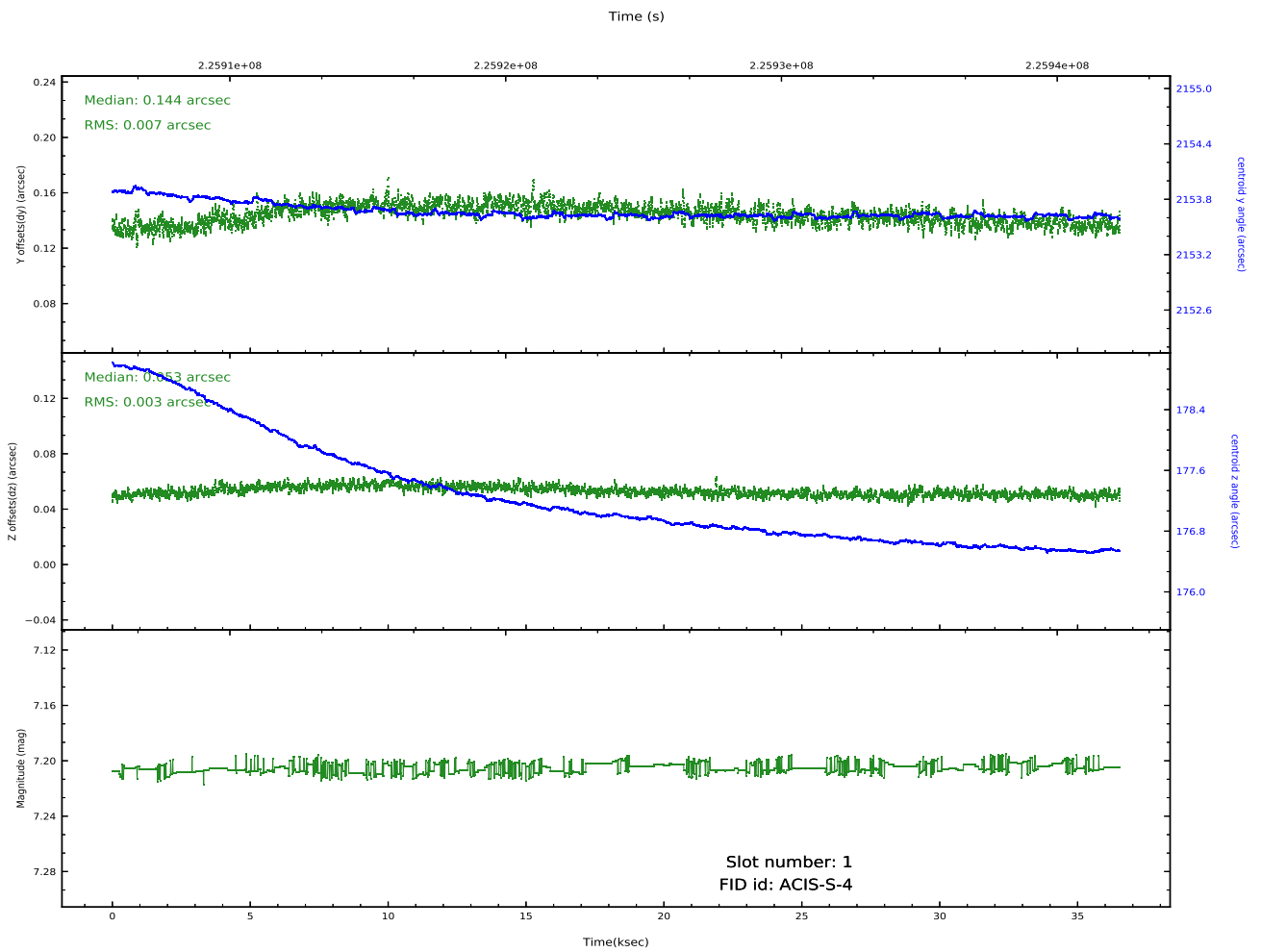
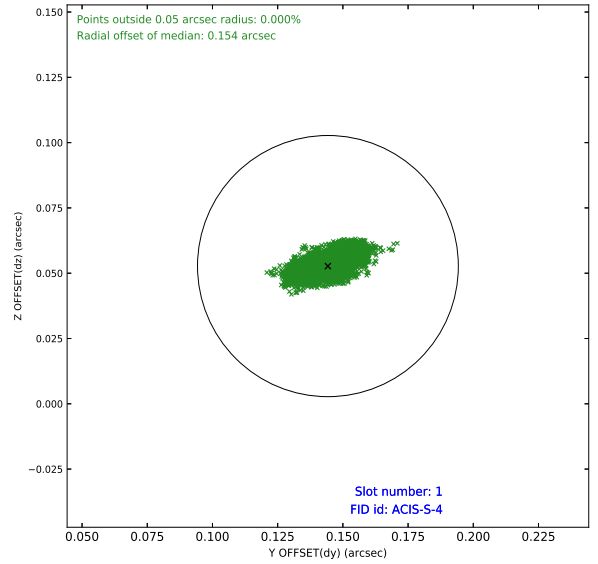
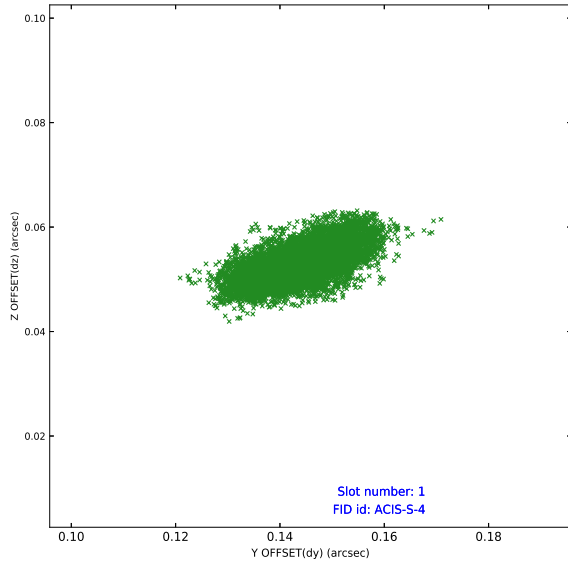
2.5.1 Slot 0



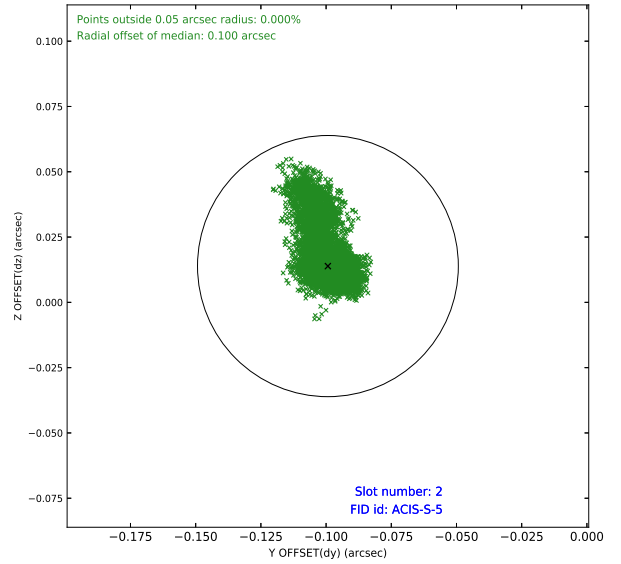
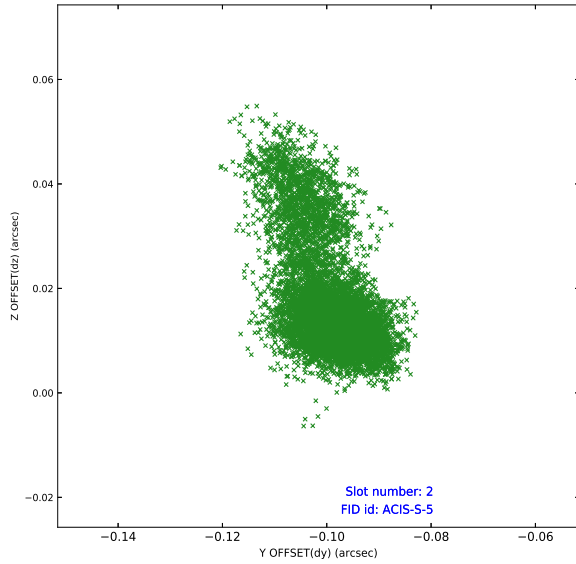
Time (s)



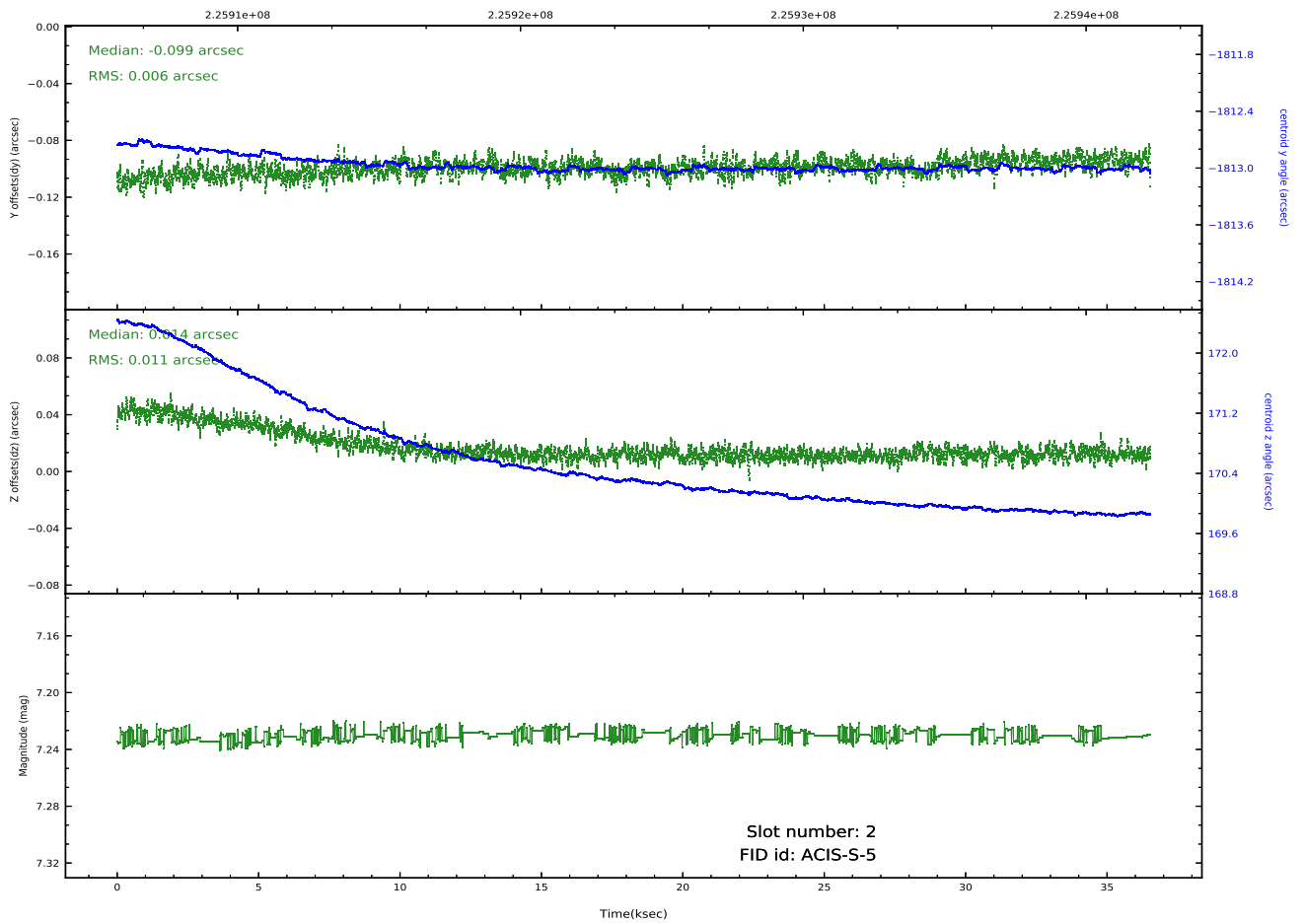
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.99999

A.2 Comments