

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5180 - L2 Version 4
Chandra X-Ray Center

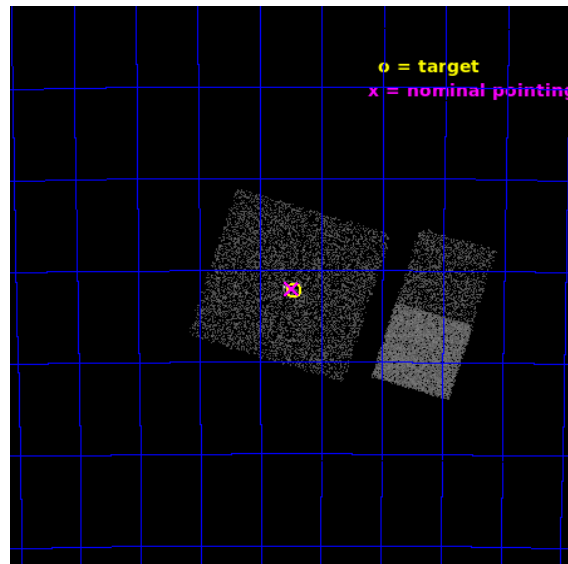
L2 Processing Date : Sep 24 2020

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1 Front

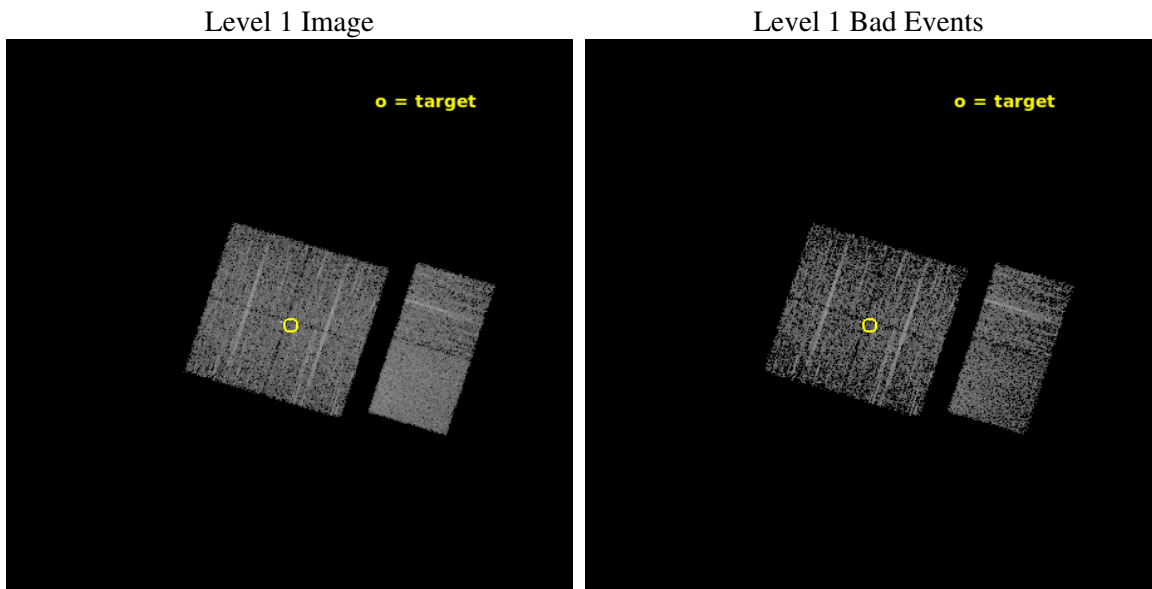
seq_num	200288	Sequence number
obs_id	5180	Observation id
title	Alternate - Search for beta Pic analogs extension	Proposal title
observer	Gordon Garmire	Principal investigator
object	HR 7012	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	281.362083	Observer's specified target RA [deg]
dec_targ	-64.870833	Observer's specified target Dec [deg]
ra_nom	281.3702137028	Nominal RA [deg]
dec_nom	-64.867181994458	Nominal Dec [deg]
roll_nom	107.39308222632	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2982.3999888897	Sum of GTIs [s]
liveltime	2944.6350444447	Livetime [s]
ontime0	2982.3999888897	Sum of GTIs [s]
ontime1	2982.3999888897	Sum of GTIs [s]
ontime2	2982.3999888897	Sum of GTIs [s]
ontime3	2982.3999888897	Sum of GTIs [s]
ontime6	2982.3999888897	Sum of GTIs [s]
ontime7	2982.3999888897	Sum of GTIs [s]
l2events	22407	Number of level 2 events



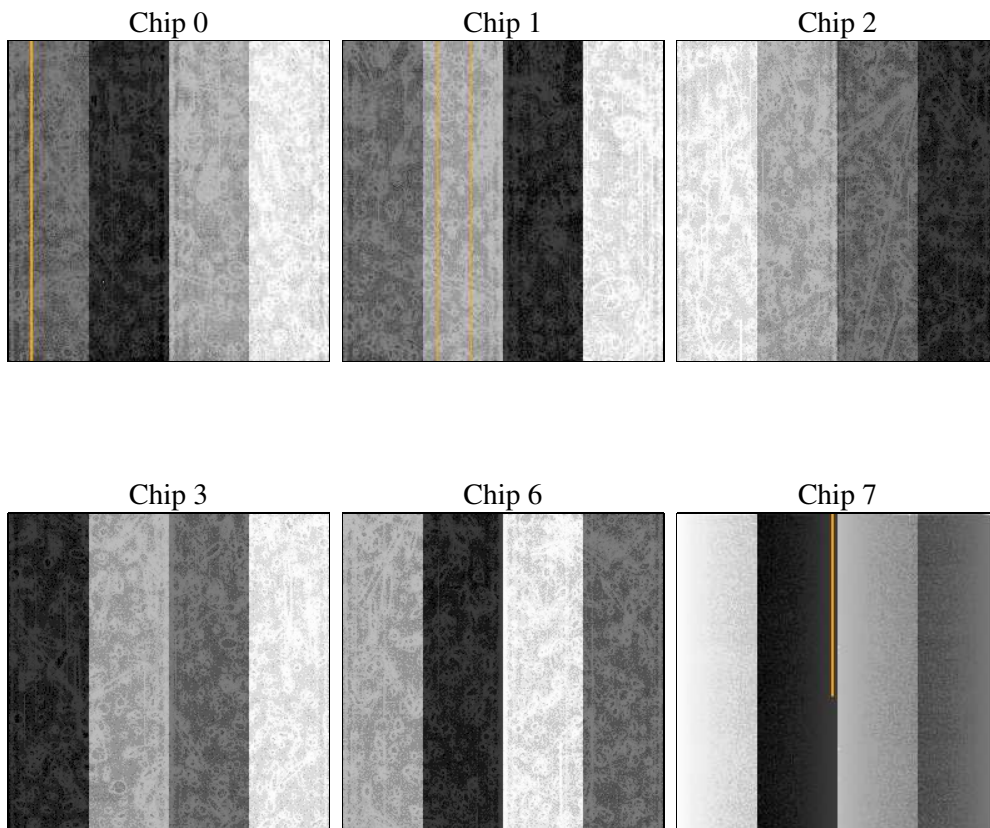
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	2982.3999888897	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	2982.3999888897	Sum of GTIs [s]
date	2020-09-24T18:27:53	Date and time of file creation	ontime1	2982.3999888897	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	2982.3999888897	Sum of GTIs [s]
			ontime3	2982.3999888897	Sum of GTIs [s]
			ontime6	2982.3999888897	Sum of GTIs [s]
			ontime7	2982.3999888897	Sum of GTIs [s]
			l1events	124363	Number of level 1 events

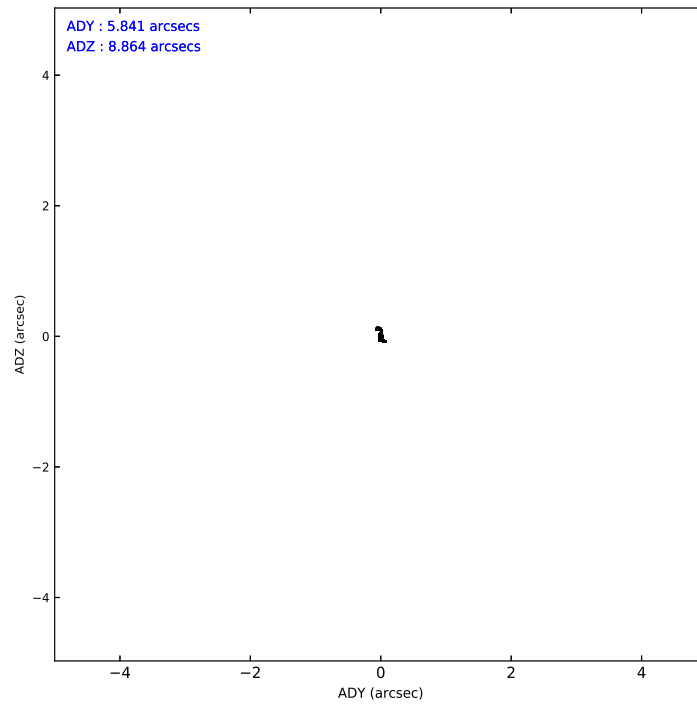
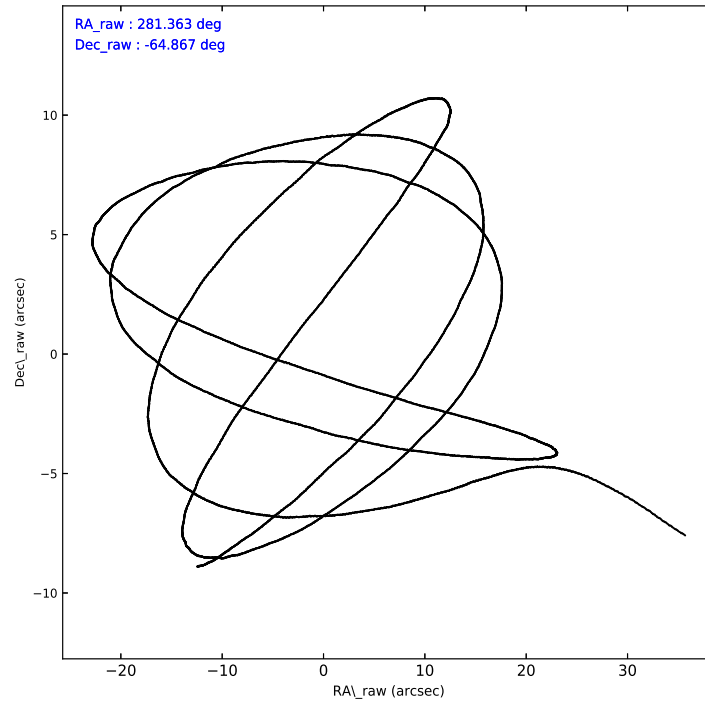
2.1.4 Events

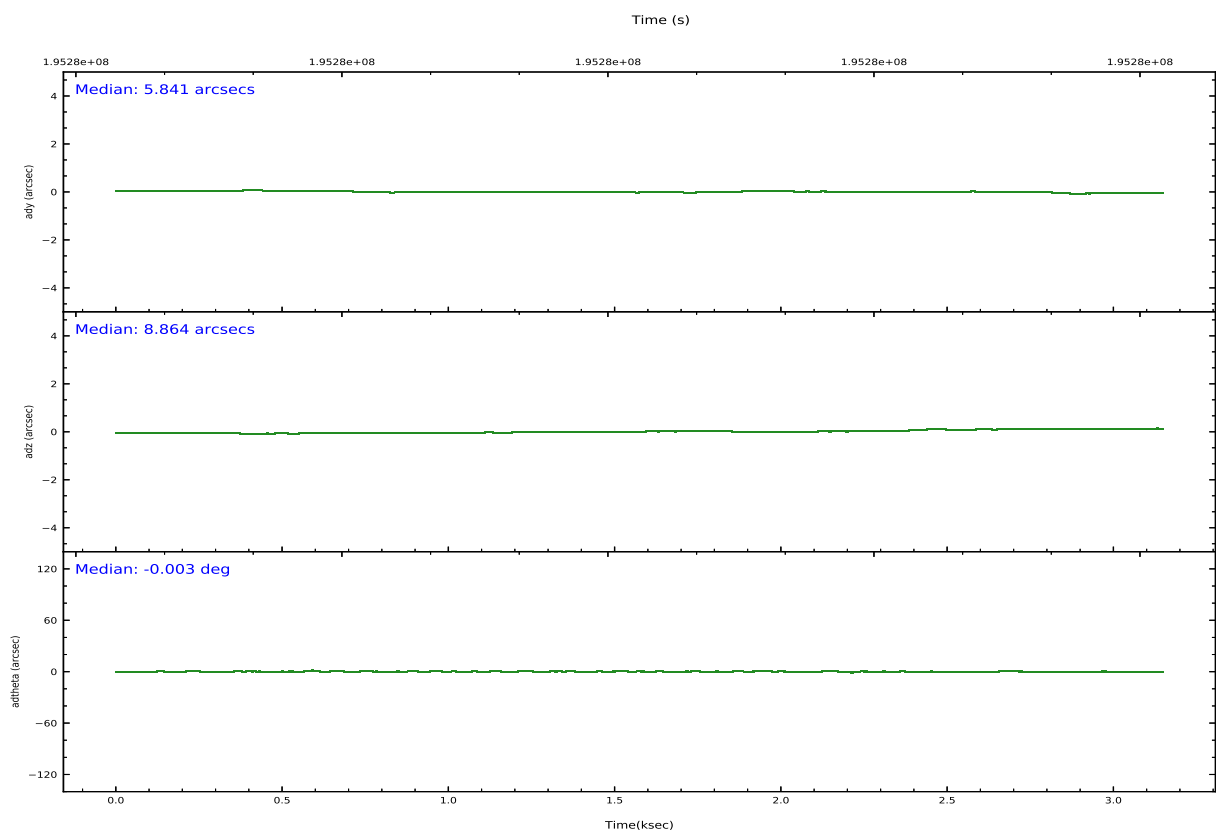
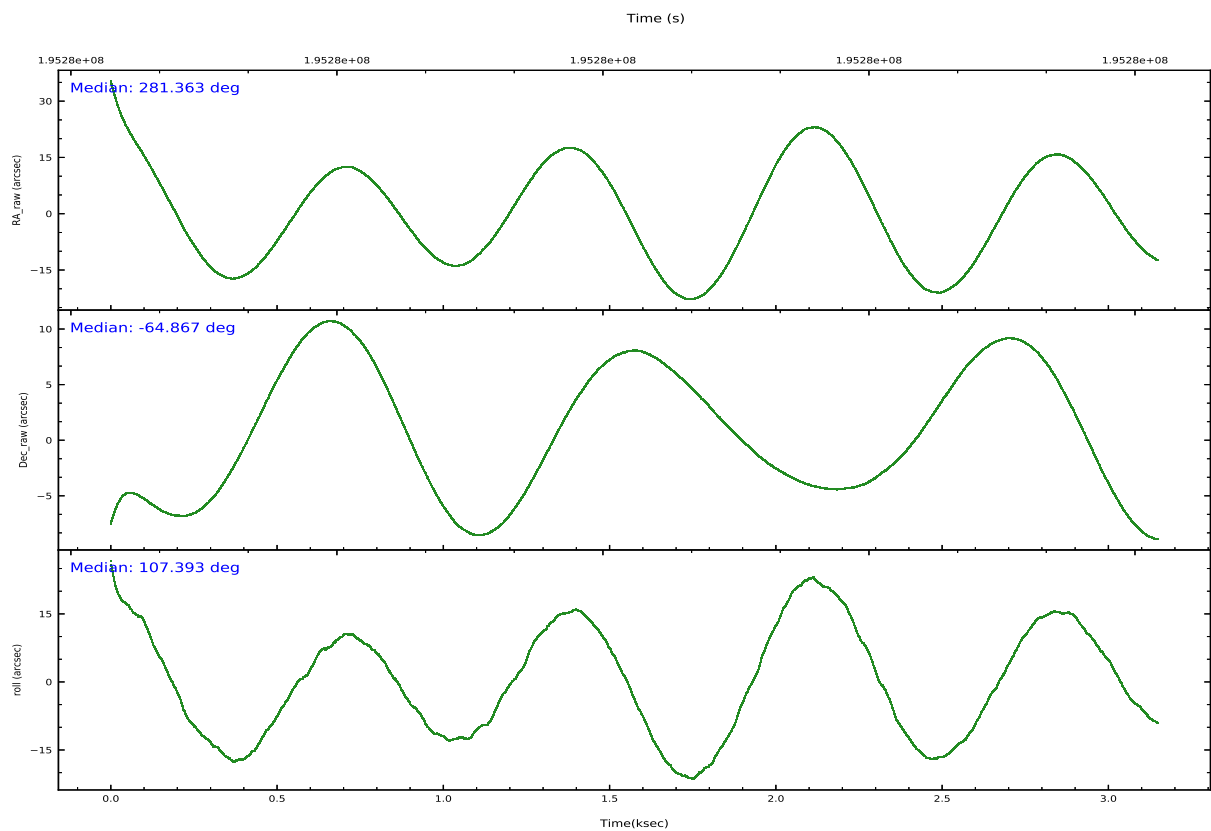
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	17685	19215	19582	19672	20810	27399	grade 0 events	1110	1524	1190	1143	1011	1022
rejected events	15159	15831	17112	17255	18356	16126		6%	7%	6%	5%	4%	3%
rejected %	85%	82%	87%	87%	88%	58%	grade 1 events	18	116	8	6	8	31
								0%	0%	0%	0%	0%	0%
							grade 2 events	525	696	483	420	525	2225
								2%	3%	2%	2%	2%	8%
							grade 3 events	250	328	193	215	234	1000
								1%	1%	0%	1%	1%	3%
							grade 4 events	214	310	211	231	221	1029
								1%	1%	1%	1%	1%	3%
							grade 5 events	846	932	721	917	975	2624
								4%	4%	3%	4%	4%	9%
							grade 6 events	430	531	393	415	472	6018
								2%	2%	2%	2%	2%	21%
							grade 7 events	14292	14778	16383	16325	17364	13450
								80%	76%	83%	82%	83%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	281.410802	281.3702137028	Subarray requested	NONE	NONE
[deg] Pointing Dec	-64.884660	-64.86718199445799	Alternating exposures requested	N	N
[deg] Pointing Roll	107.232206	107.39308222632	[s] Primary exposure time	0.000000	3.2
[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)	195277870.184000	195276767.20898			
Observation start date	2004-03-10T03:50:06	2004-03-10T03:32:47			
[s] Observation end time (MET)	195280870.184000	195281512.95919			
Observation end date	2004-03-10T04:40:06	2004-03-10T04:51:52			
Read mode	TIMED	TIMED			

2.3 Aspect



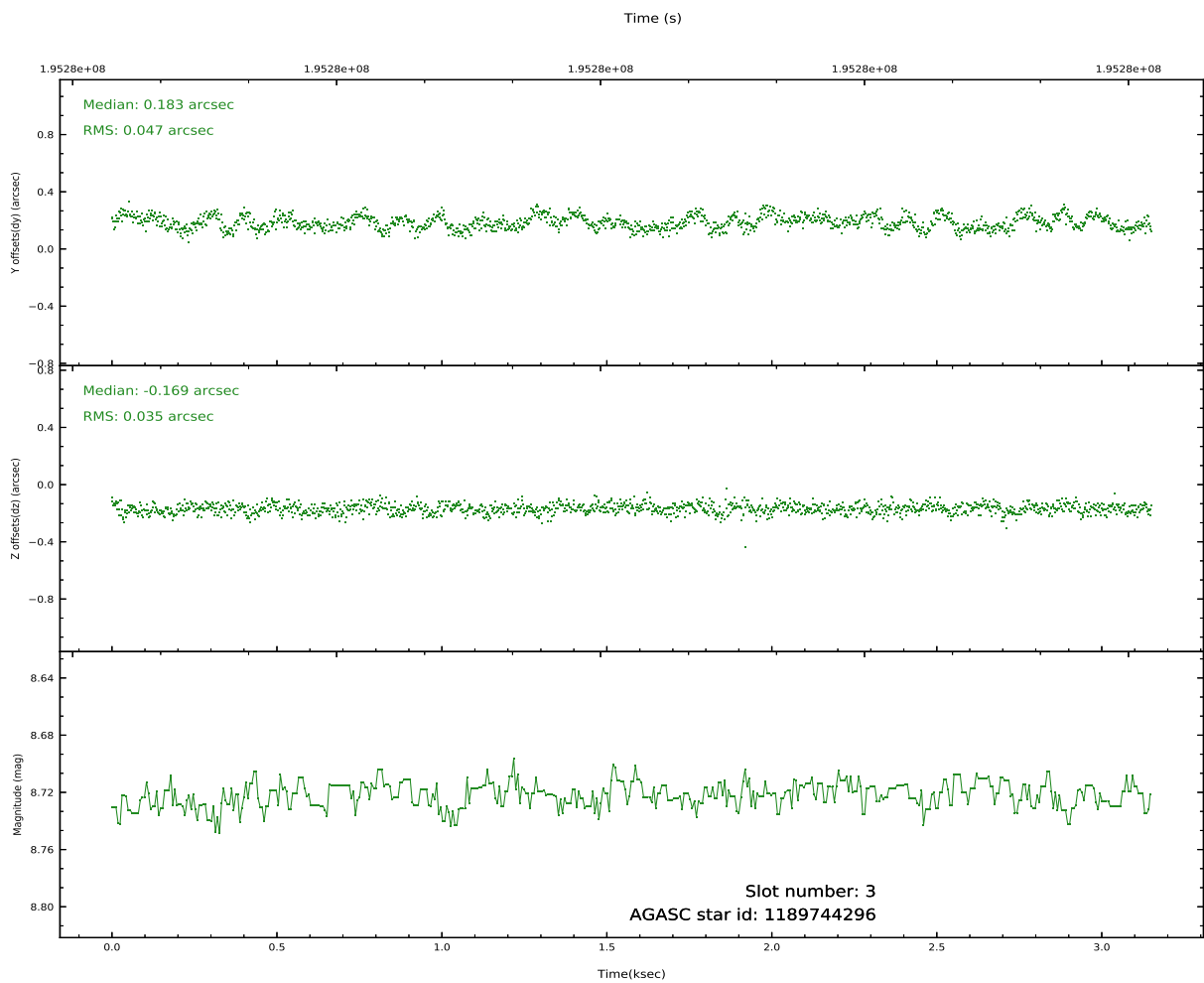
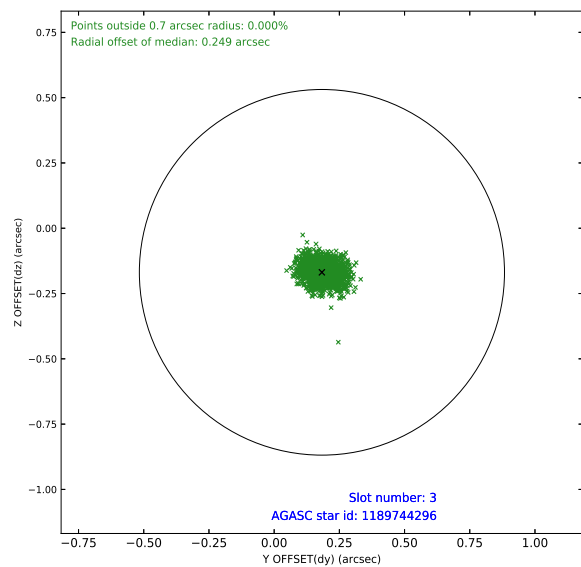
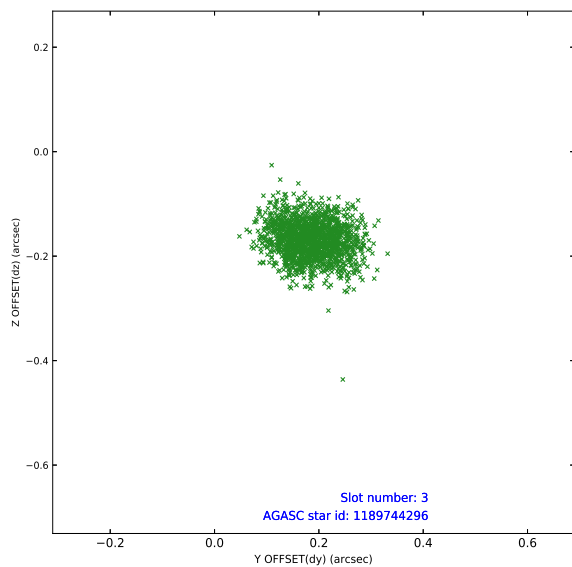


Slot Statistics

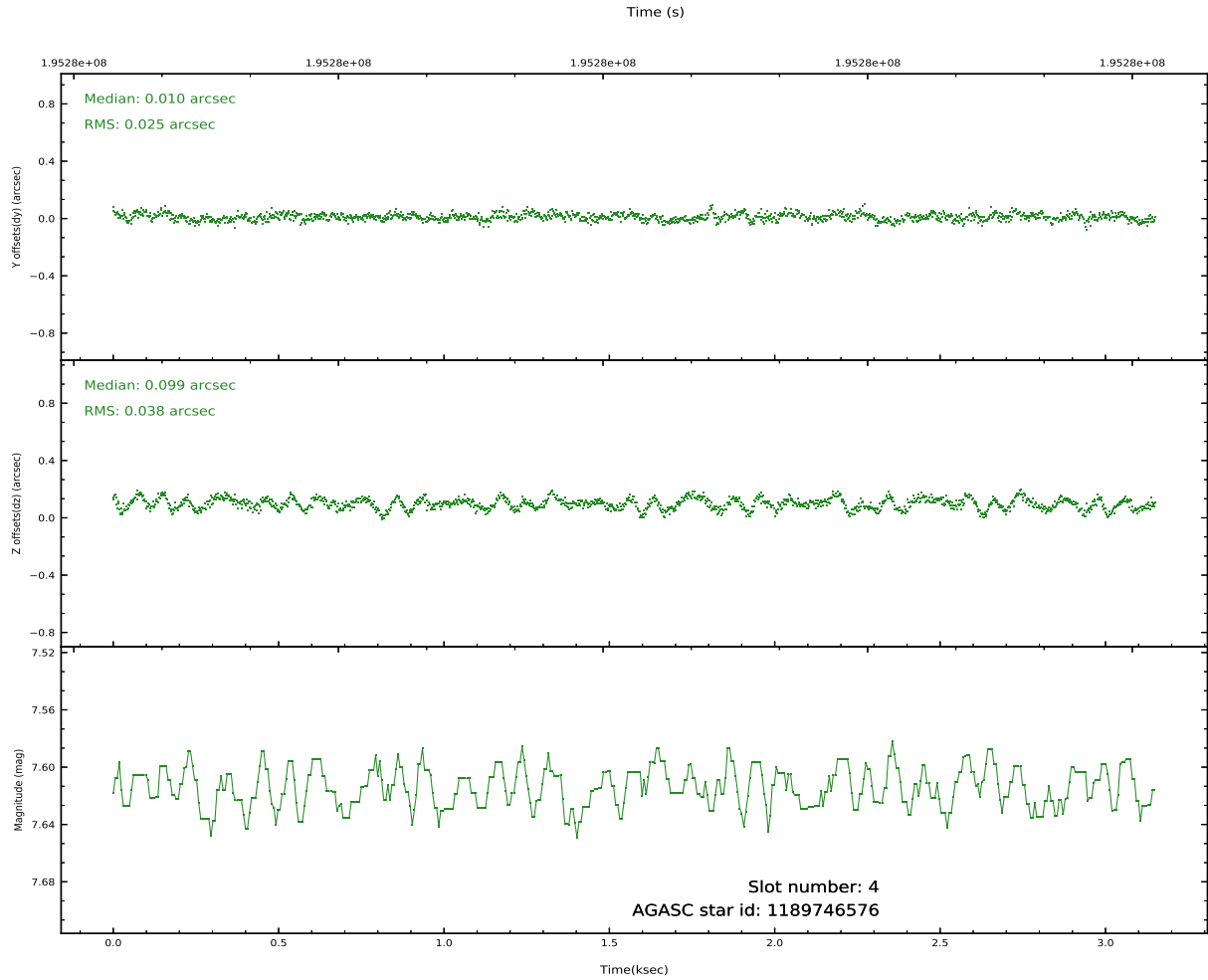
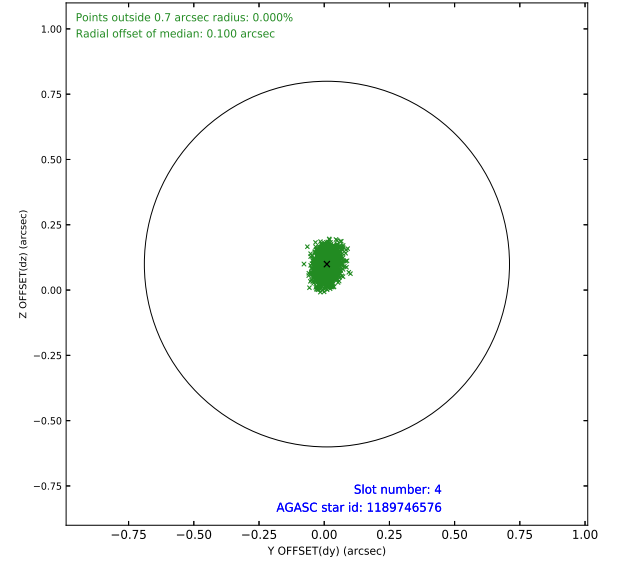
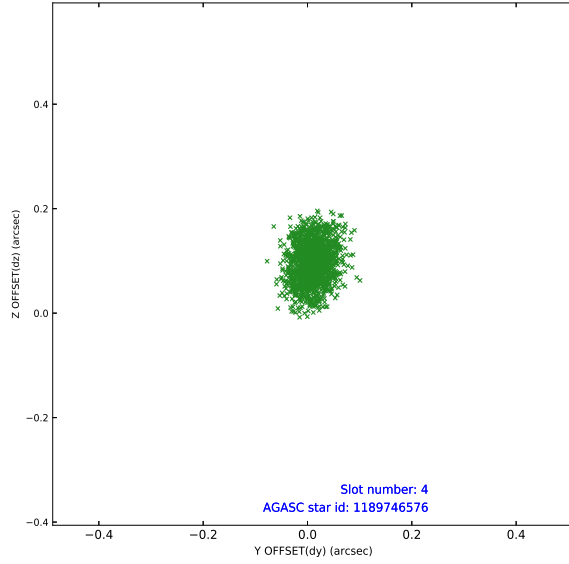
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	769	1.000	0.022	0.018	0.007	0.011	0.000000	0.000000	933.90	-832
1	FID		ACIS-I-5	7.23	769	1.000	-0.194	0.035	0.006	0.010	0.000000	0.000000	-1813.31	1064
2	FID		ACIS-I-6	7.26	769	1.000	0.081	0.016	0.007	0.011	0.000000	0.000000	397.29	1710
3	GUIDE	used	1189744296	8.72	1538	1.000	0.183	-0.169	0.062	0.101	280.481024	-65.523860	-1796.30	2009
4	GUIDE	used	1189746576	7.62	1538	1.000	0.010	0.099	0.049	0.080	282.384889	-64.790084	-128.57	-1522
5	GUIDE	used	1189750376	9.49	1537	1.000	0.066	0.208	0.090	0.144	282.722285	-64.899089	-661.88	-1891
6	GUIDE	used	1189753928	7.98	1538	1.000	-0.072	-0.104	0.061	0.094	280.013070	-64.725745	1159.93	1888
7	GUIDE	used	1189745648	8.75	1537	1.000	-0.187	-0.030	0.067	0.105	280.511862	-64.323531	2335.50	745

2.4 Star Slots

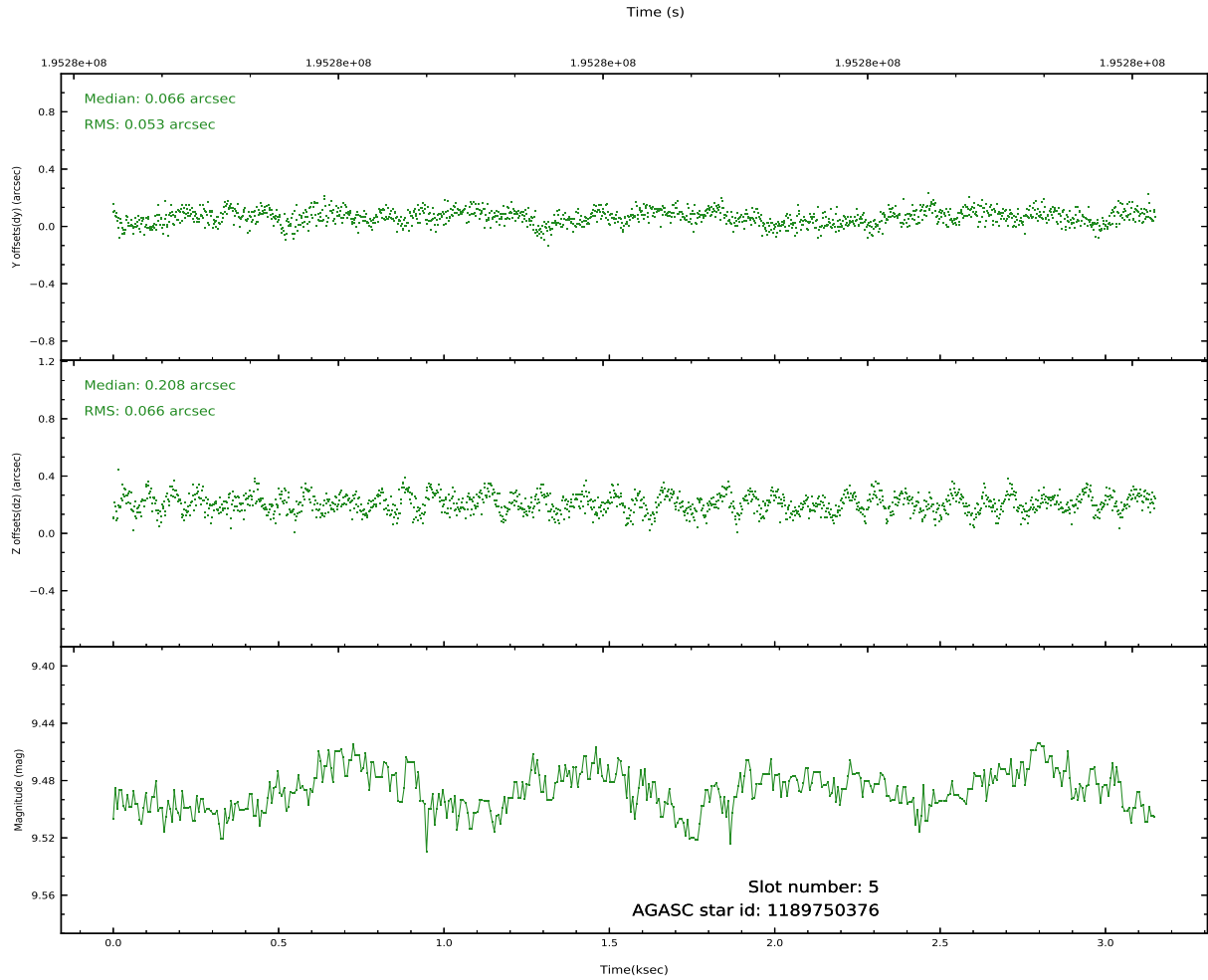
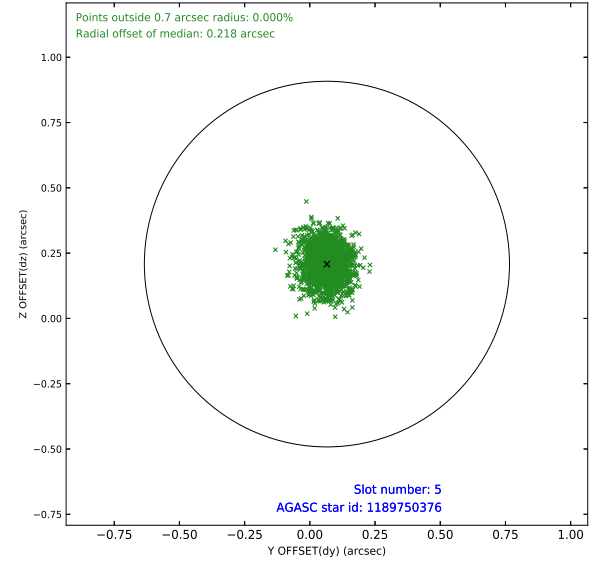
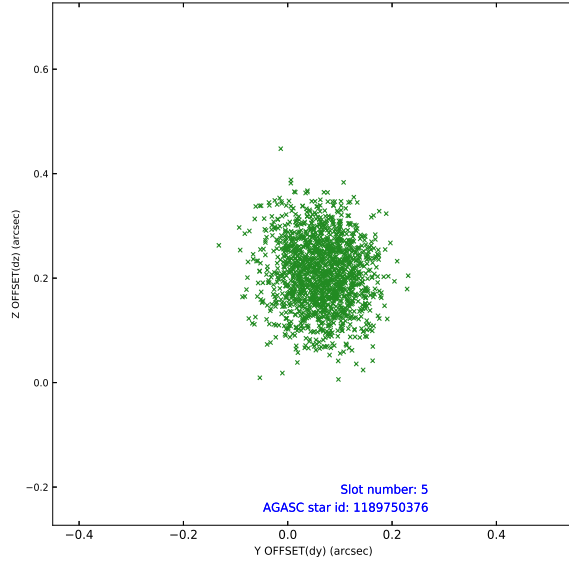
2.4.1 Slot 3



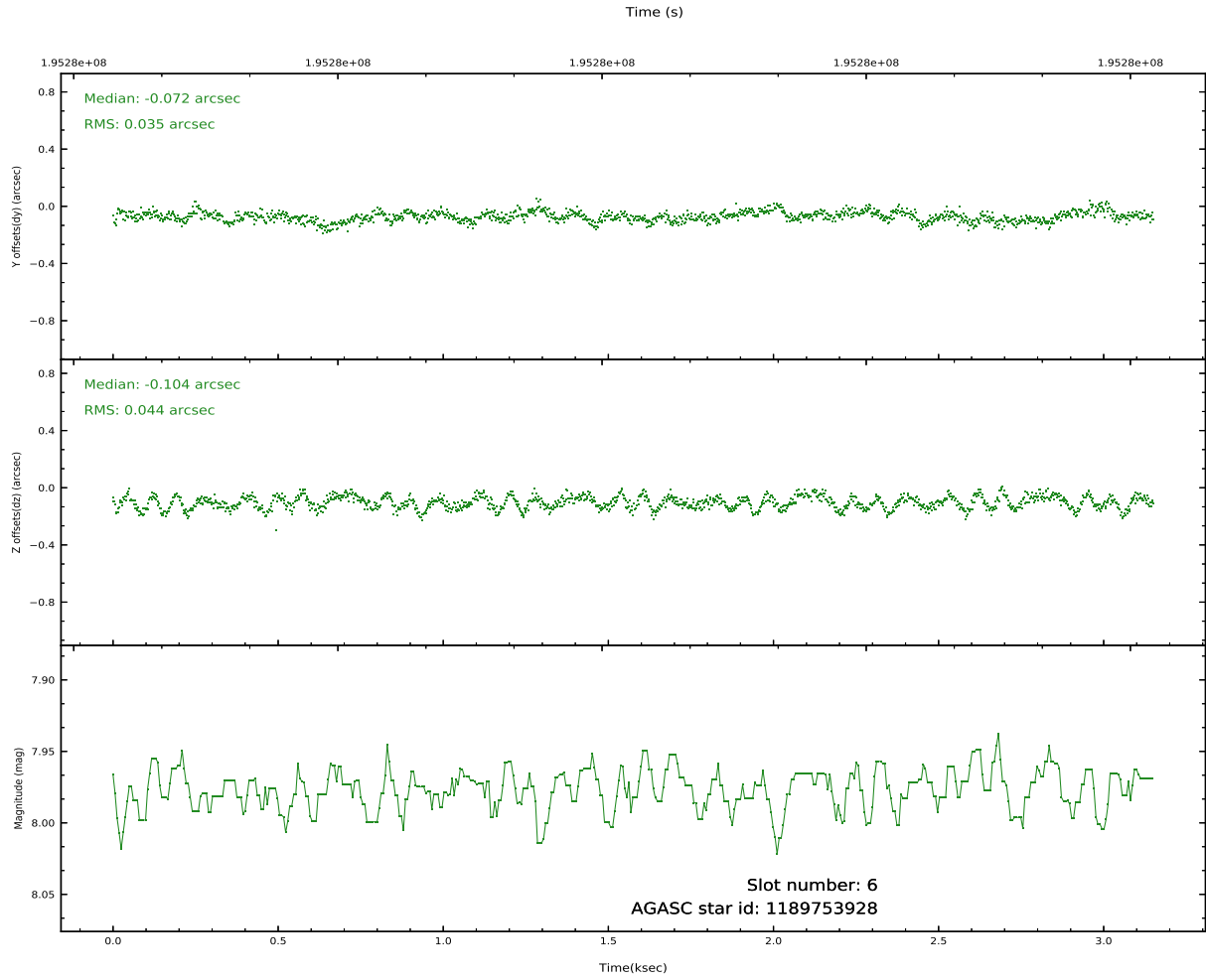
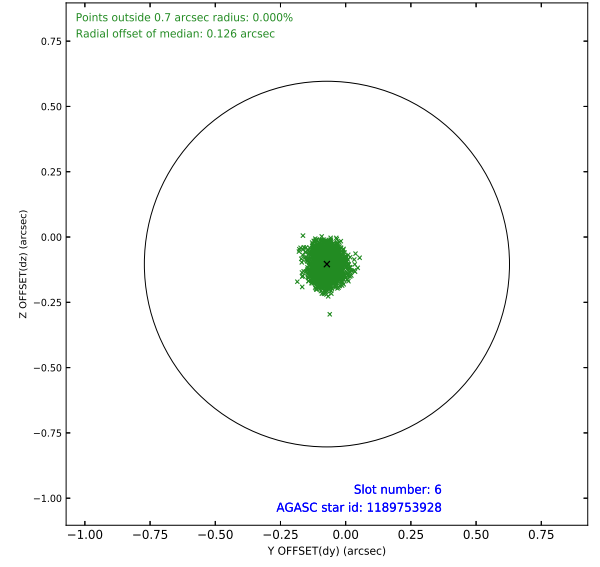
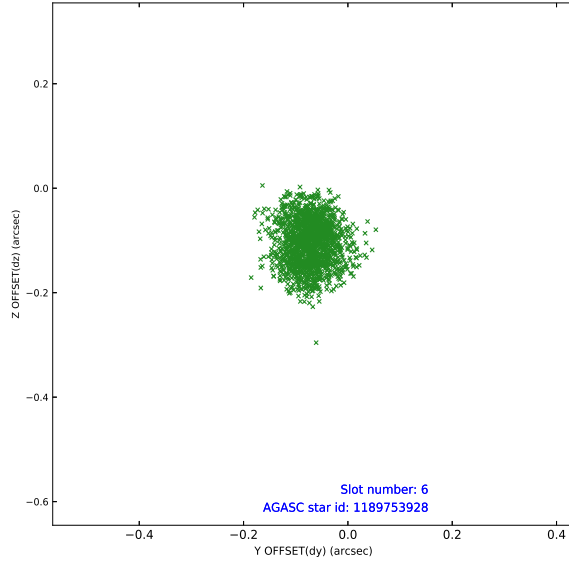
2.4.2 Slot 4



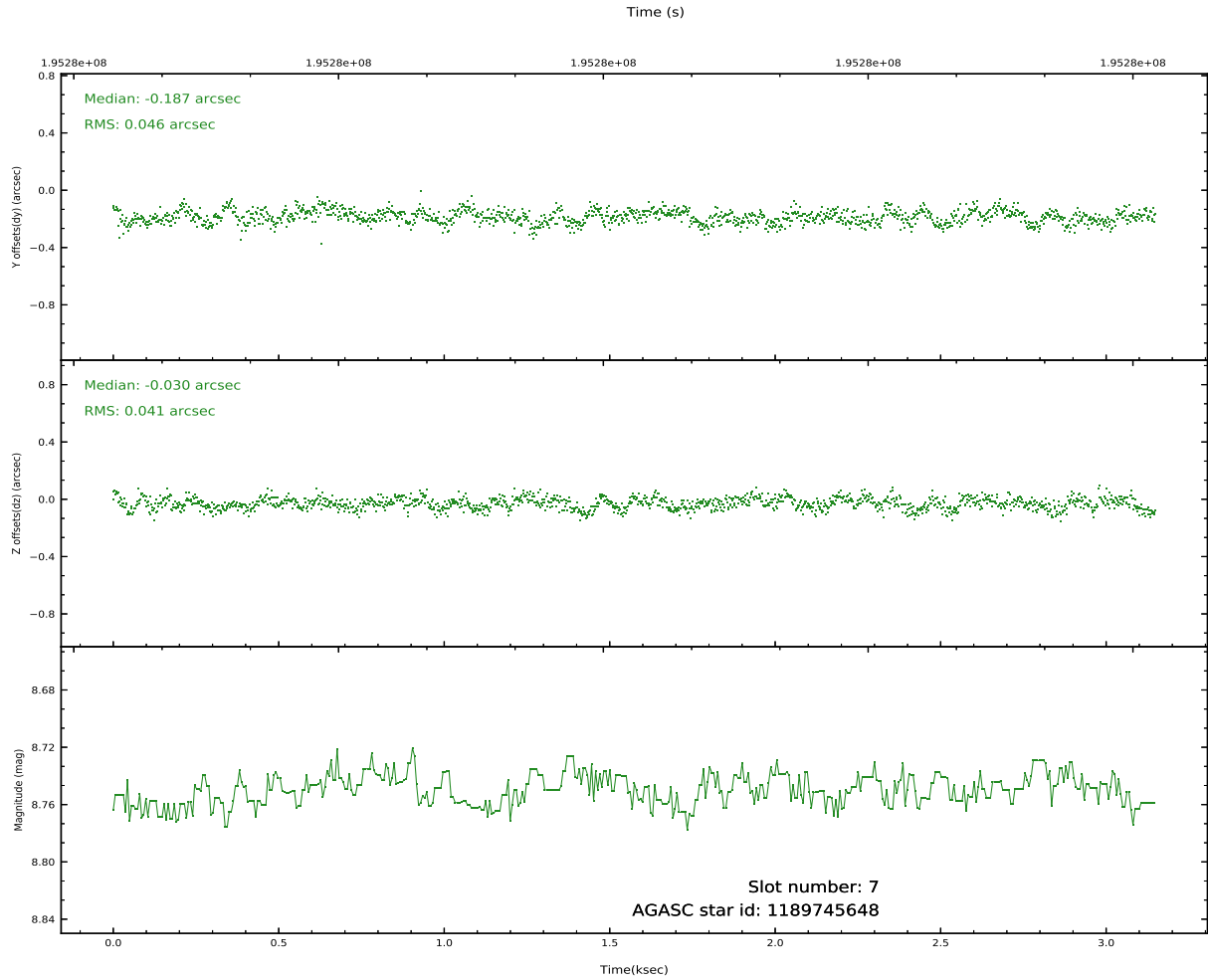
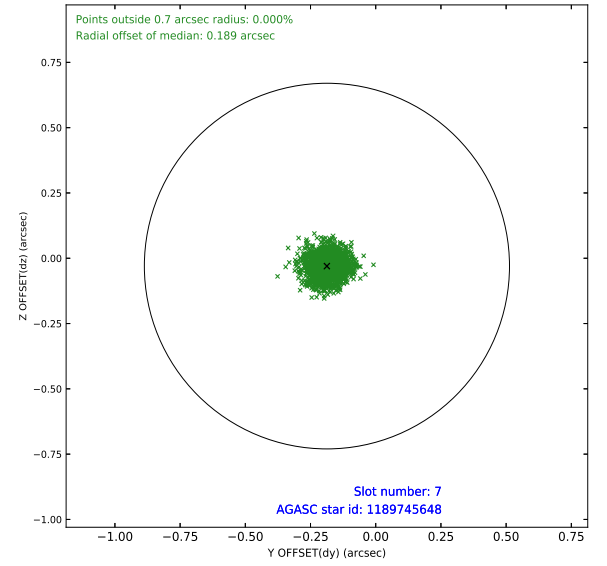
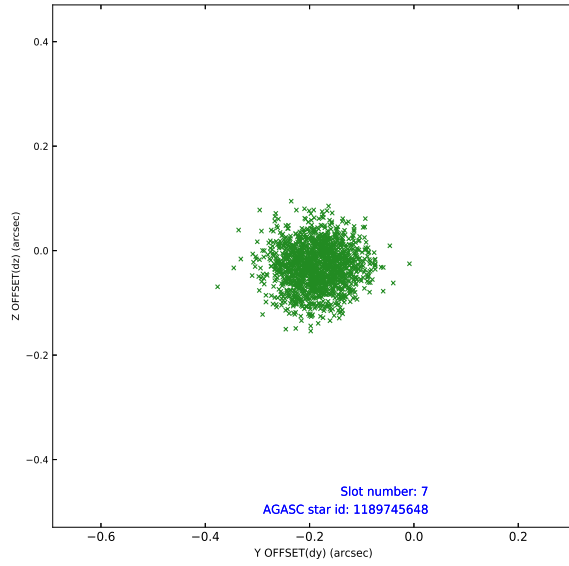
2.4.3 Slot 5



2.4.4 Slot 6

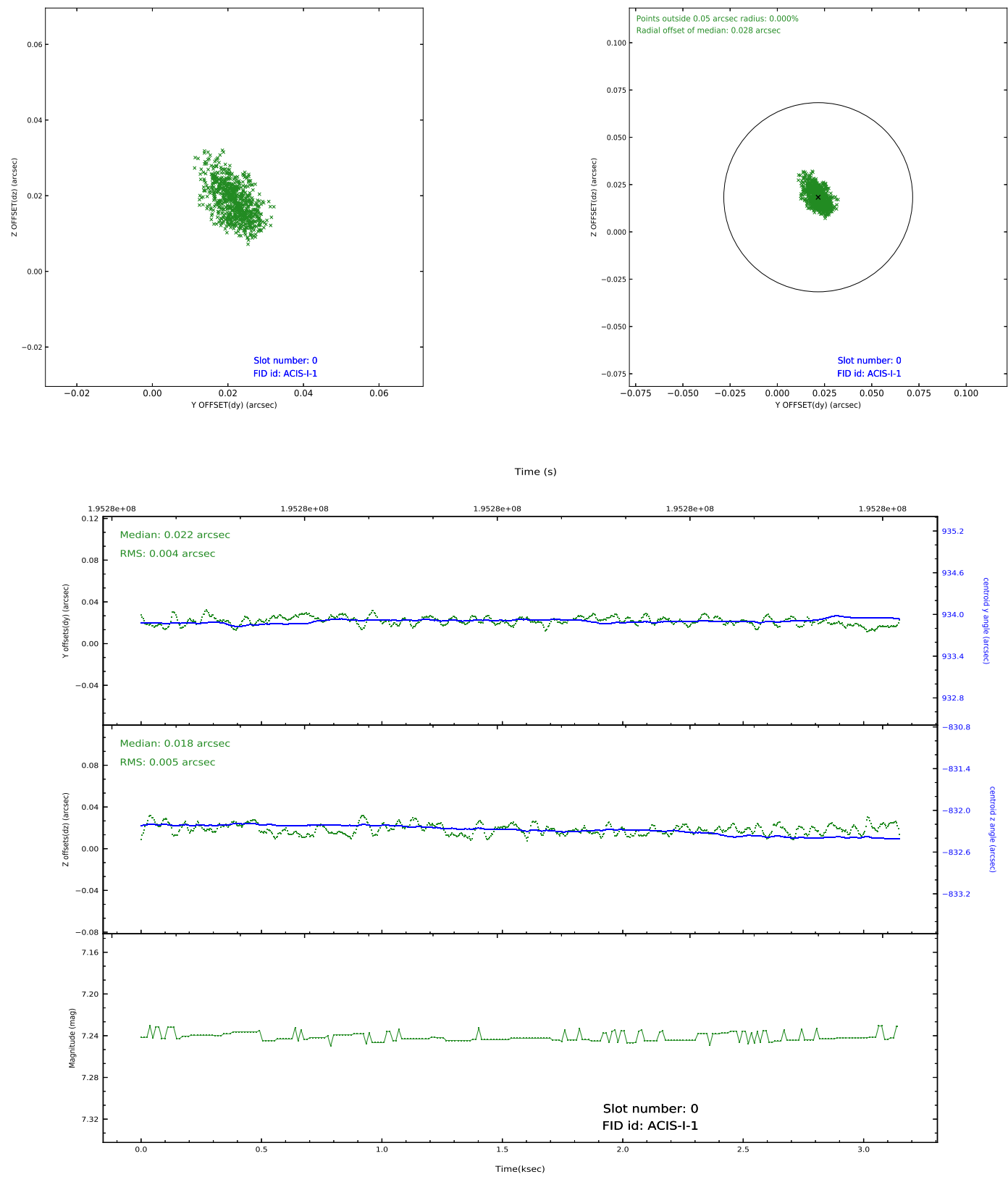


2.4.5 Slot 7

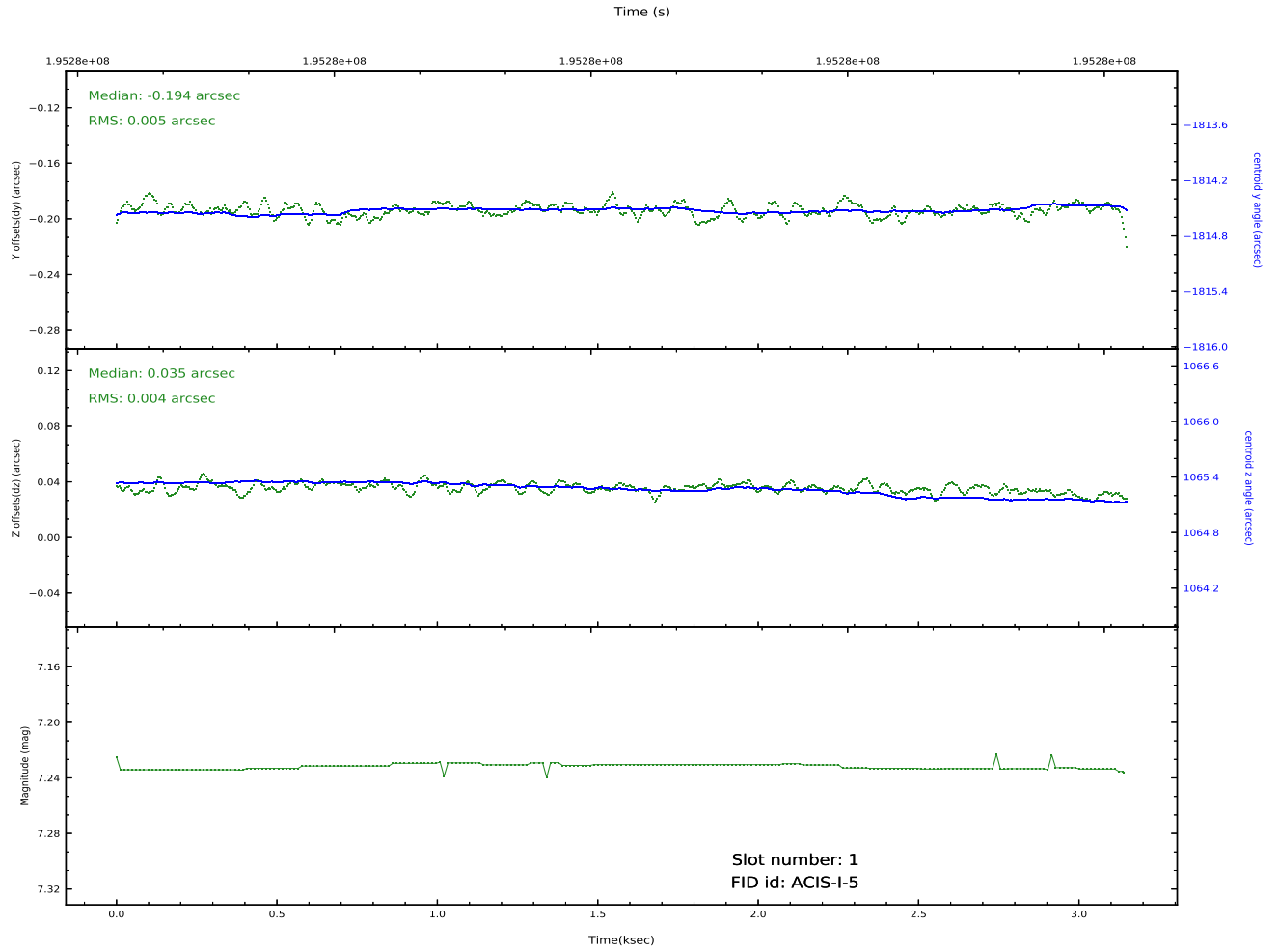
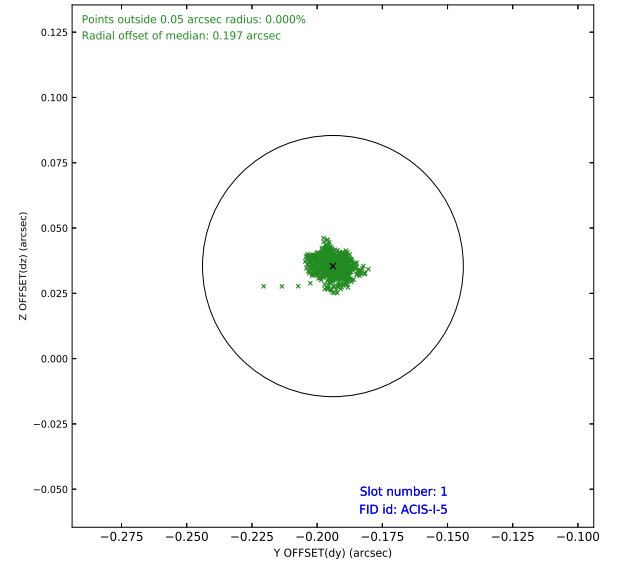
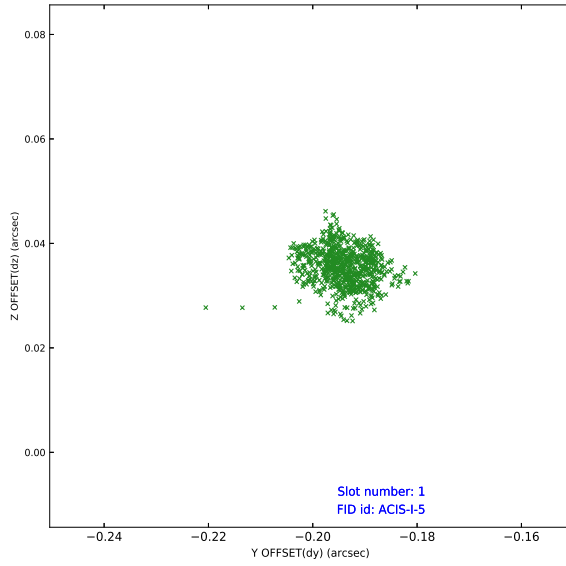


2.5 FID Slots

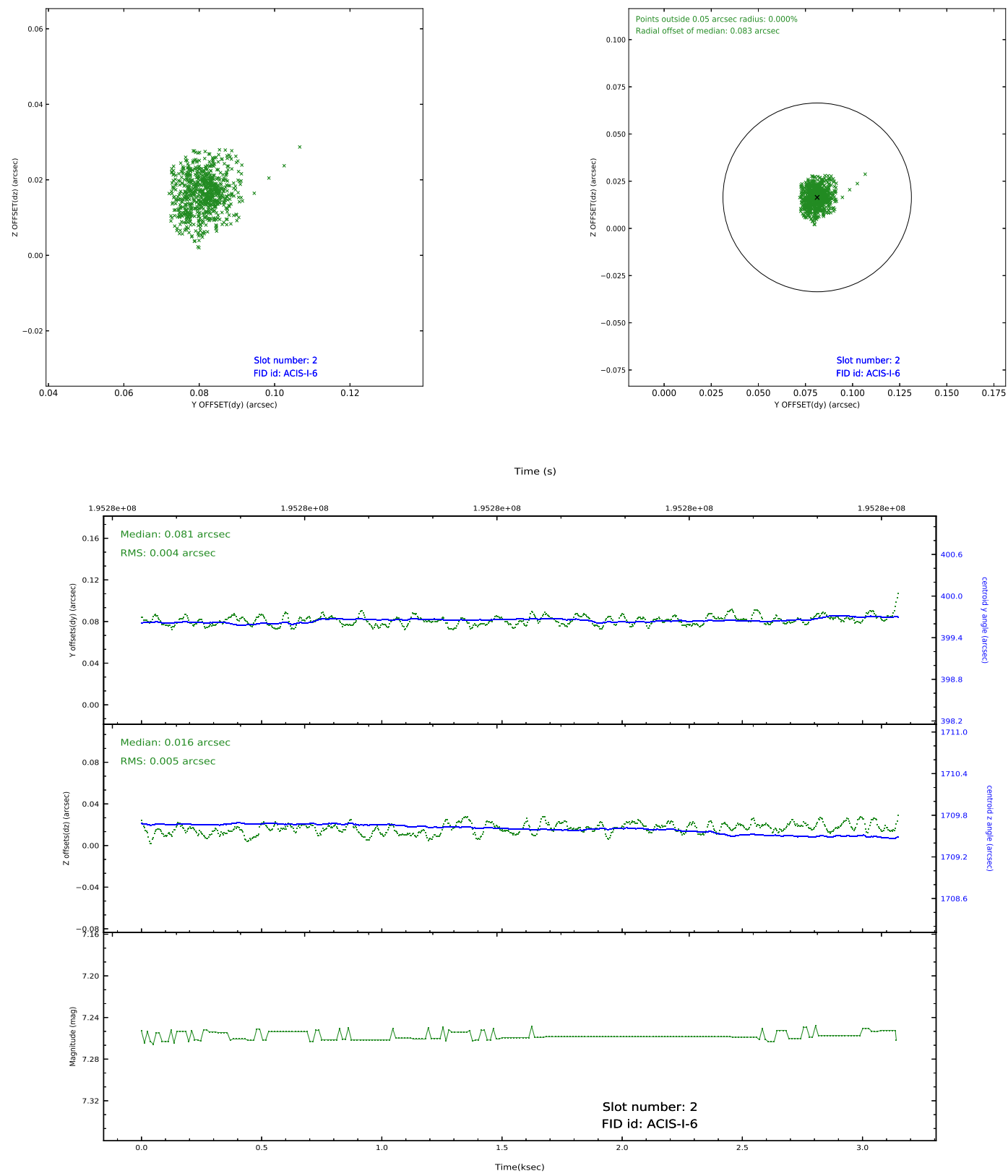
2.5.1 Slot 0



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)	2020.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.985

A.2 Comments