

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5286 - L2 Version 4
Chandra X-Ray Center

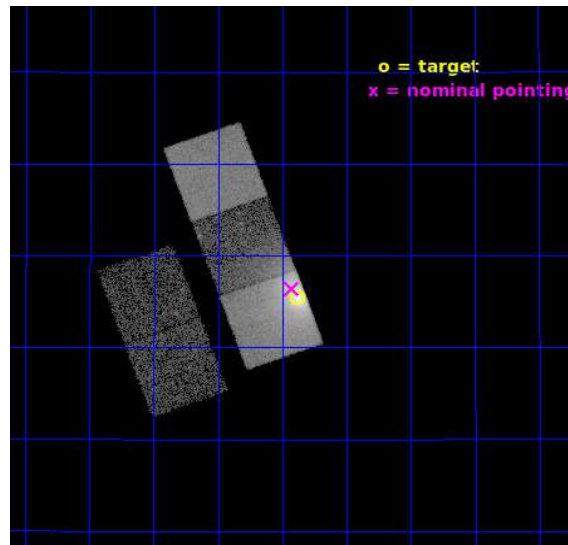
L2 Processing Date : Sep 23 2020

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1 Front

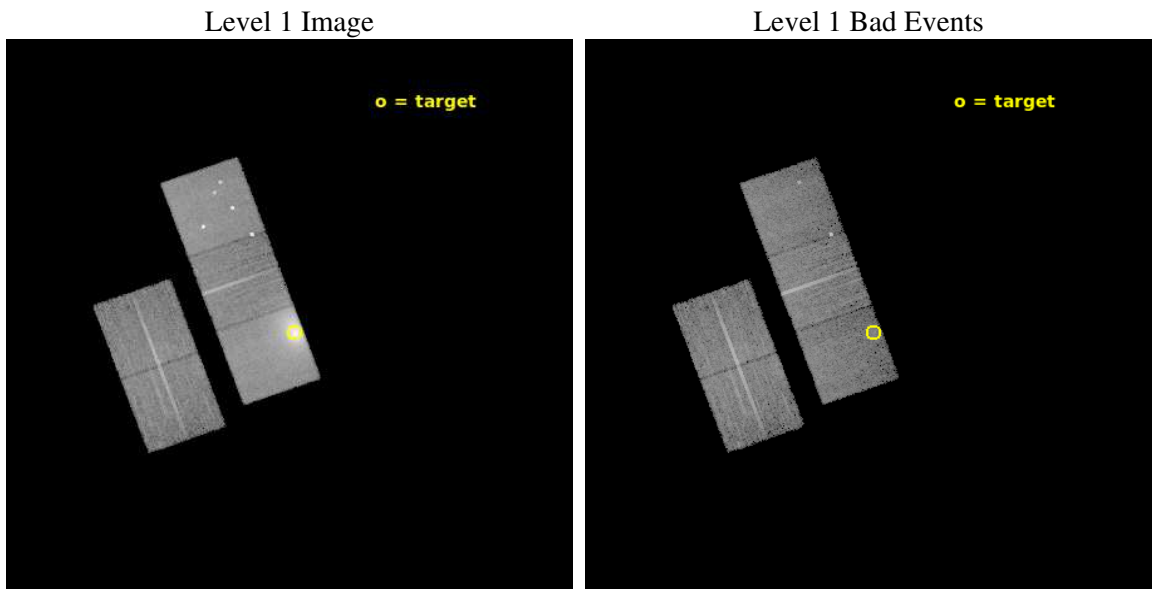
seq_num	890026	Sequence number
obs_id	5286	Observation id
title	Mapping the Depth of the Contaminant on the ACIS Filters with Abell 11795	Proposal title
observer	CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.23128922701	Nominal RA [deg]
dec_nom	26.607059425455	Nominal Dec [deg]
roll_nom	70.117484451153	Nominal Roll [deg]
revision	4	Processing version of data
ontime	14483.159001857	Sum of GTIs [s]
livetime	14293.925867151	Livetime [s]
ontime2	14486.299972117	Sum of GTIs [s]
ontime3	14483.159011781	Sum of GTIs [s]
ontime5	14483.159021795	Sum of GTIs [s]
ontime6	14480.017981797	Sum of GTIs [s]
ontime7	14483.159001857	Sum of GTIs [s]
l2events	237110	Number of level 2 events



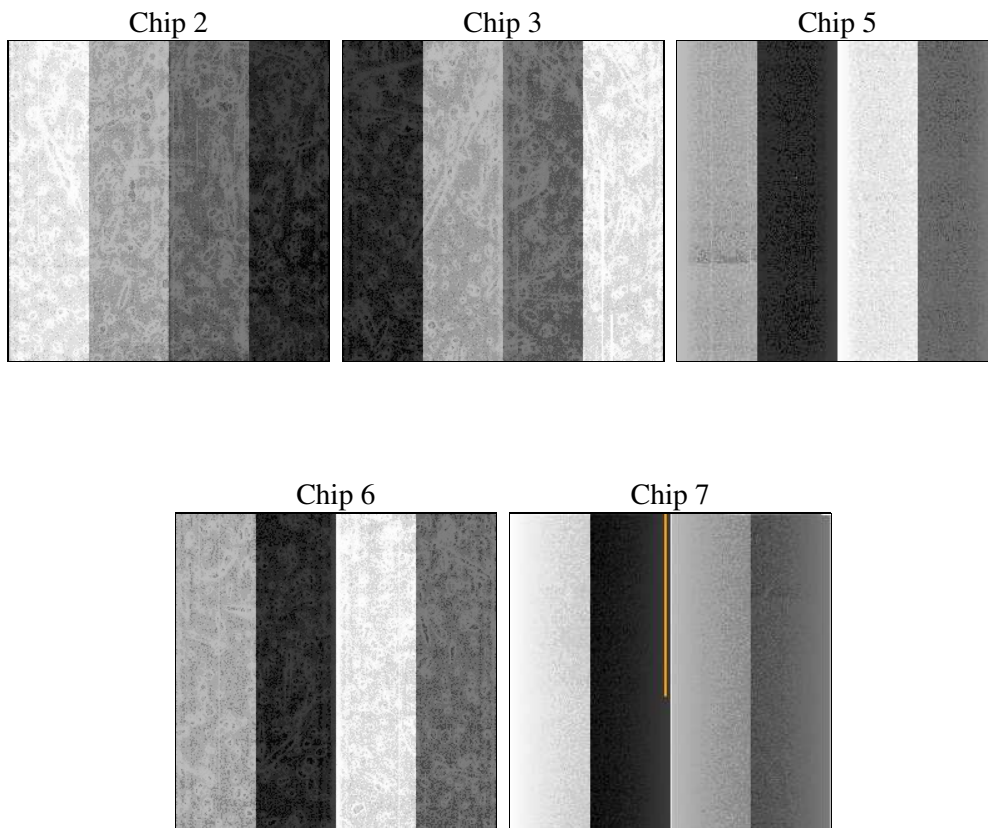
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	14715.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	14483.159001857	Sum of GTIs [s]
caldbver	4.9.2	 	ontime2	14486.299972117	Sum of GTIs [s]
date	2020-09-23T12:39:10	Date and time of file creation	ontime3	14483.159011781	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	14483.159021795	Sum of GTIs [s]
			ontime6	14480.017981797	Sum of GTIs [s]
			ontime7	14483.159001857	Sum of GTIs [s]
			l1events	541959	Number of level 1 events

2.1.4 Events

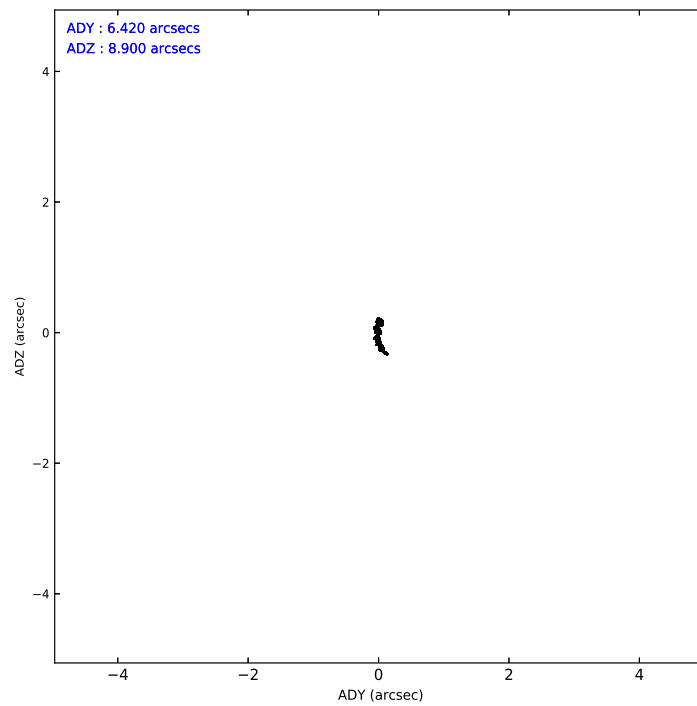
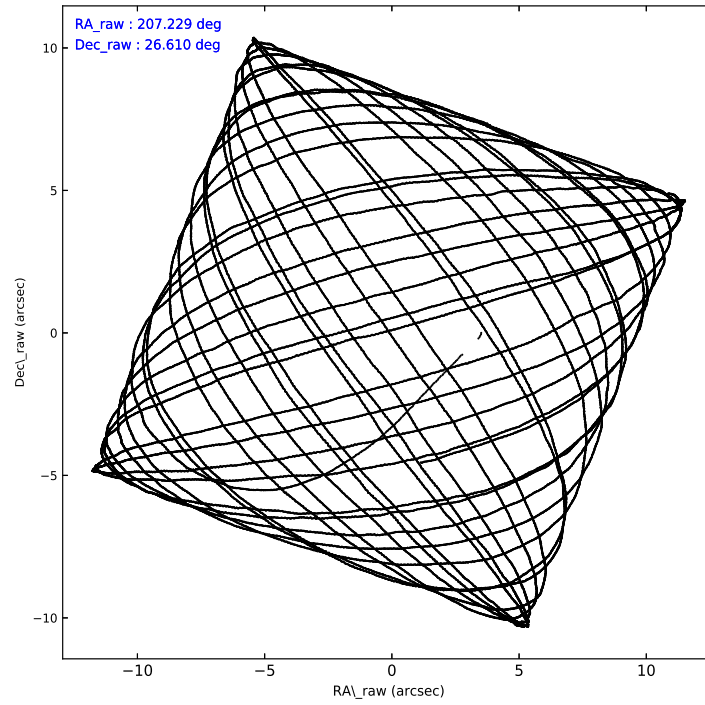
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	69853	68669	110545	79638	213254
rejected events	62654	61567	51453	62954	46095
rejected %	89%	89%	46%	79%	21%

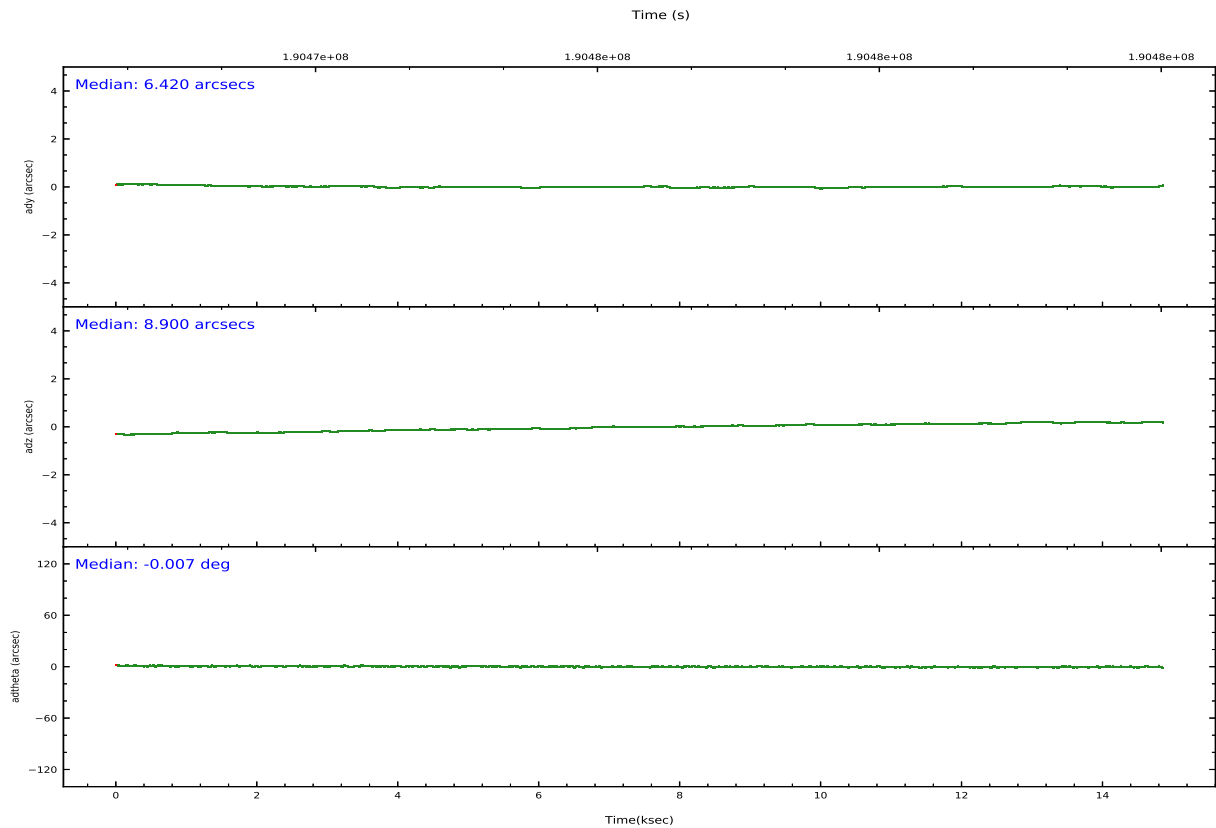
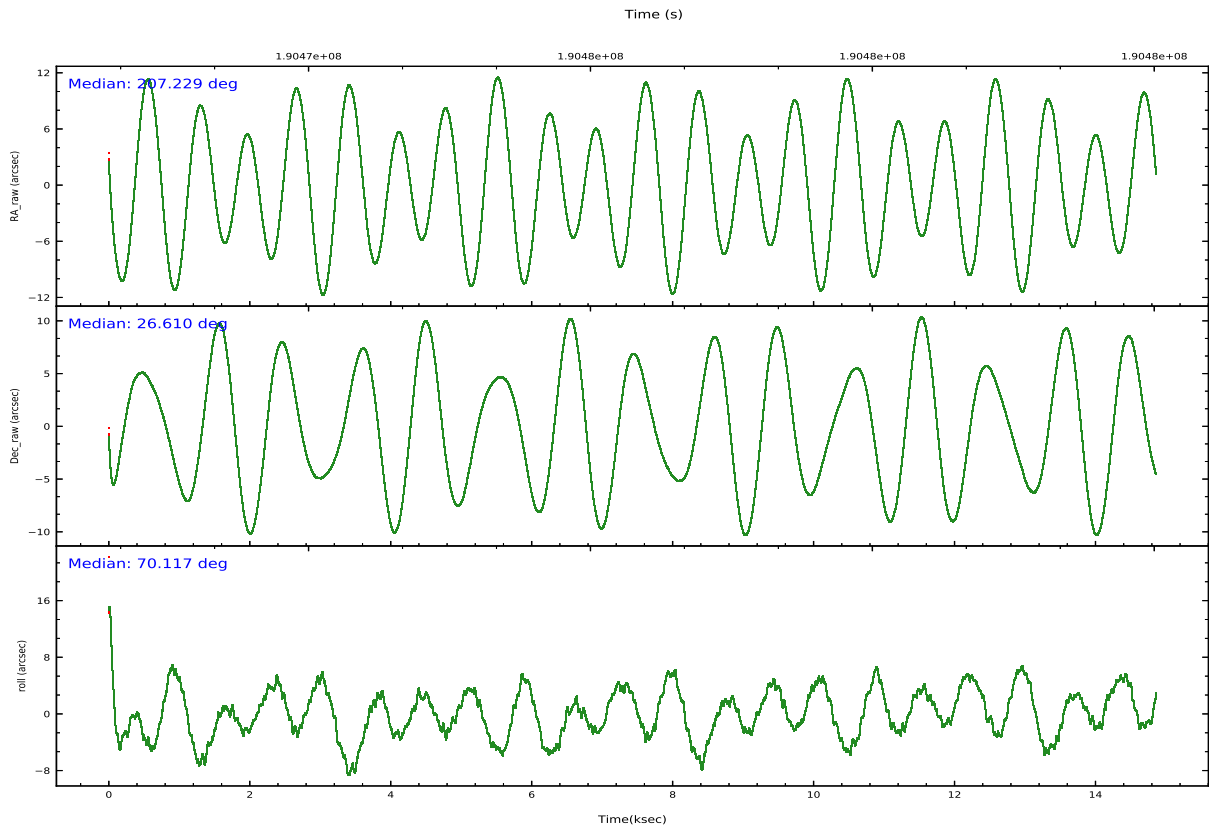
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	2799	2664	12855	10091	41068
	4%	3%	11%	12%	19%
grade 1 events	38	34	246	74	113
	0%	0%	0%	0%	0%
grade 2 events	1555	1427	14558	2476	41604
	2%	2%	13%	3%	19%
grade 3 events	801	841	2809	1131	18851
	1%	1%	2%	1%	8%
grade 4 events	779	826	2479	1142	18728
	1%	1%	2%	1%	8%
grade 5 events	2389	2840	8840	3024	9515
	3%	4%	7%	3%	4%
grade 6 events	1266	1349	26414	1861	46992
	1%	1%	23%	2%	22%
grade 7 events	60226	58688	42344	59839	36383
	86%	85%	38%	75%	17%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-23567	ACIS-23567	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	207.235024	207.23128922701	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.582963	26.607059425455	Alternating exposures requested	N	N
[deg] Pointing Roll	69.958907	70.117484451153	[s] Primary exposure time	0.000000	3.1
[s] Window start time (MET)	189302464.184000	189302464.184000			
[s] Window stop time (MET)	191894464.184000	191894464.184000			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-180.332523	-180.3266934278832			
[mm] SIM translation stage offset	-9.800000000000001	-9.805829155124599			
[s] Observation start time (MET)	190469312.184000	190468151.6987			
Observation start date	2004-01-14T12:07:28	2004-01-14T11:49:11			
[s] Observation end time (MET)	190484027.184000	190484161.1744			
Observation end date	2004-01-14T16:12:43	2004-01-14T16:16:01			
Read mode	TIMED	TIMED			

2.3 Aspect





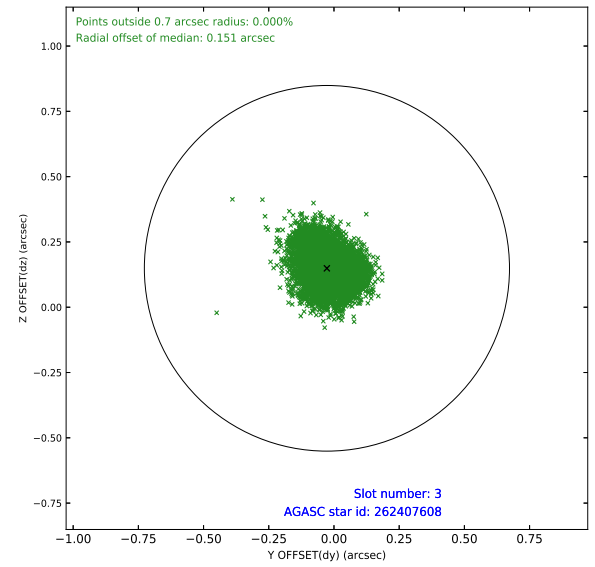
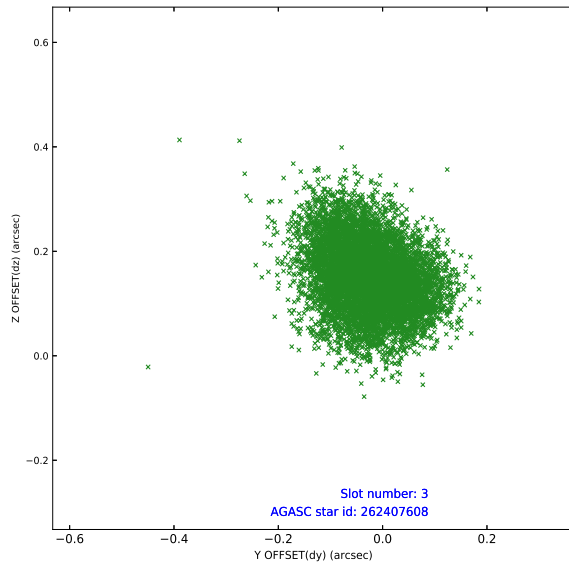
Slot Statistics

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-1	7.19	3622	1.000	0.073	0.180	0.010	0.017	0.000000	0.000000	937.71	-1927
1	FID		ACIS-S-2	7.08	3623	1.000	-0.209	-0.190	0.010	0.017	0.000000	0.000000	-758.30	-1932
2	FID		ACIS-S-6	7.43	3623	1.000	0.117	0.013	0.008	0.013	0.000000	0.000000	403.22	613
3	GUIDE	used	262407608	9.36	7242	1.000	-0.027	0.149	0.101	0.156	207.378401	26.435507	-339.82	-615
4	GUIDE	used	262407760	9.93	7245	1.000	-0.073	-0.183	0.116	0.187	206.566773	26.577263	-751.53	2016
5	GUIDE	used	262408096	9.35	7245	1.000	0.028	-0.013	0.087	0.141	207.011678	26.515421	-474.35	593
6	GUIDE	used	262411960	9.69	7243	1.000	0.092	0.133	0.138	0.214	207.327895	25.881727	-2268.06	-1147
7	GUIDE	used	262408936	9.69	7235	1.000	-0.019	-0.083	0.101	0.160	207.154731	26.726554	397.01	419

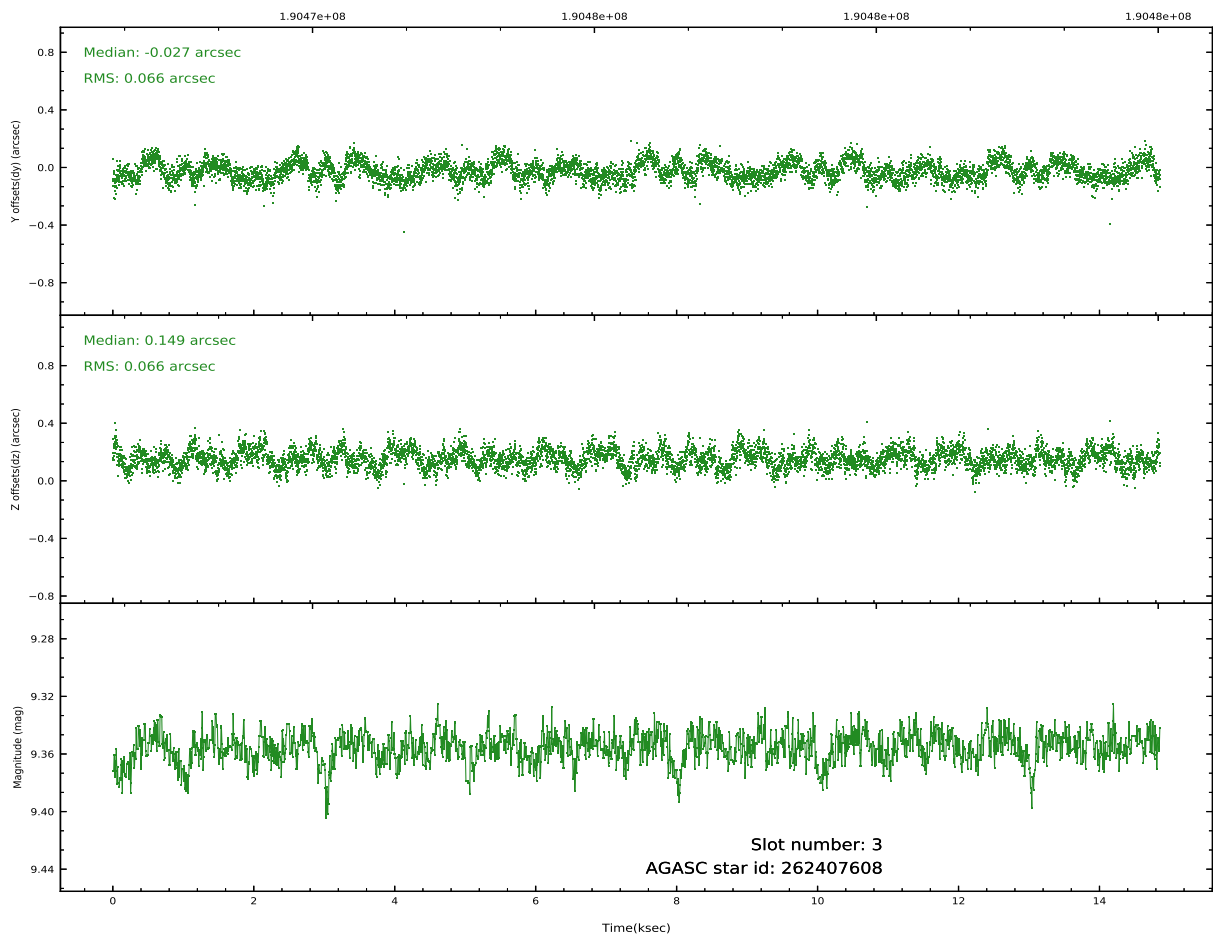
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2.4 Star Slots

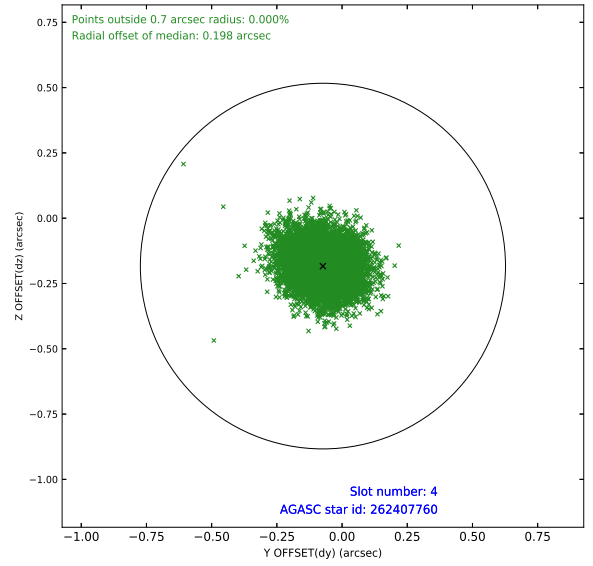
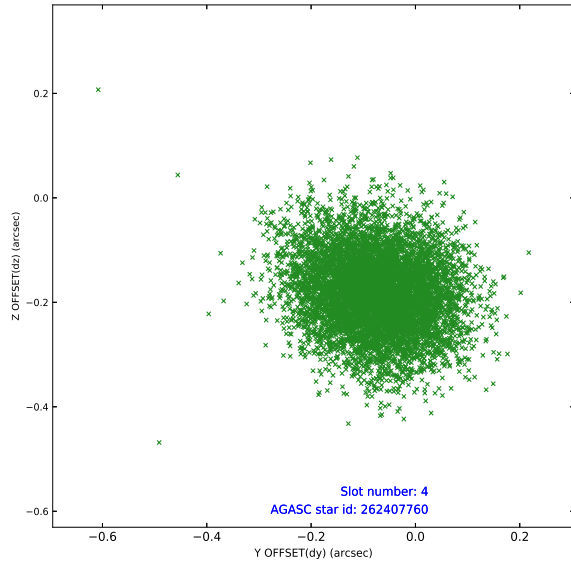
2.4.1 Slot 3



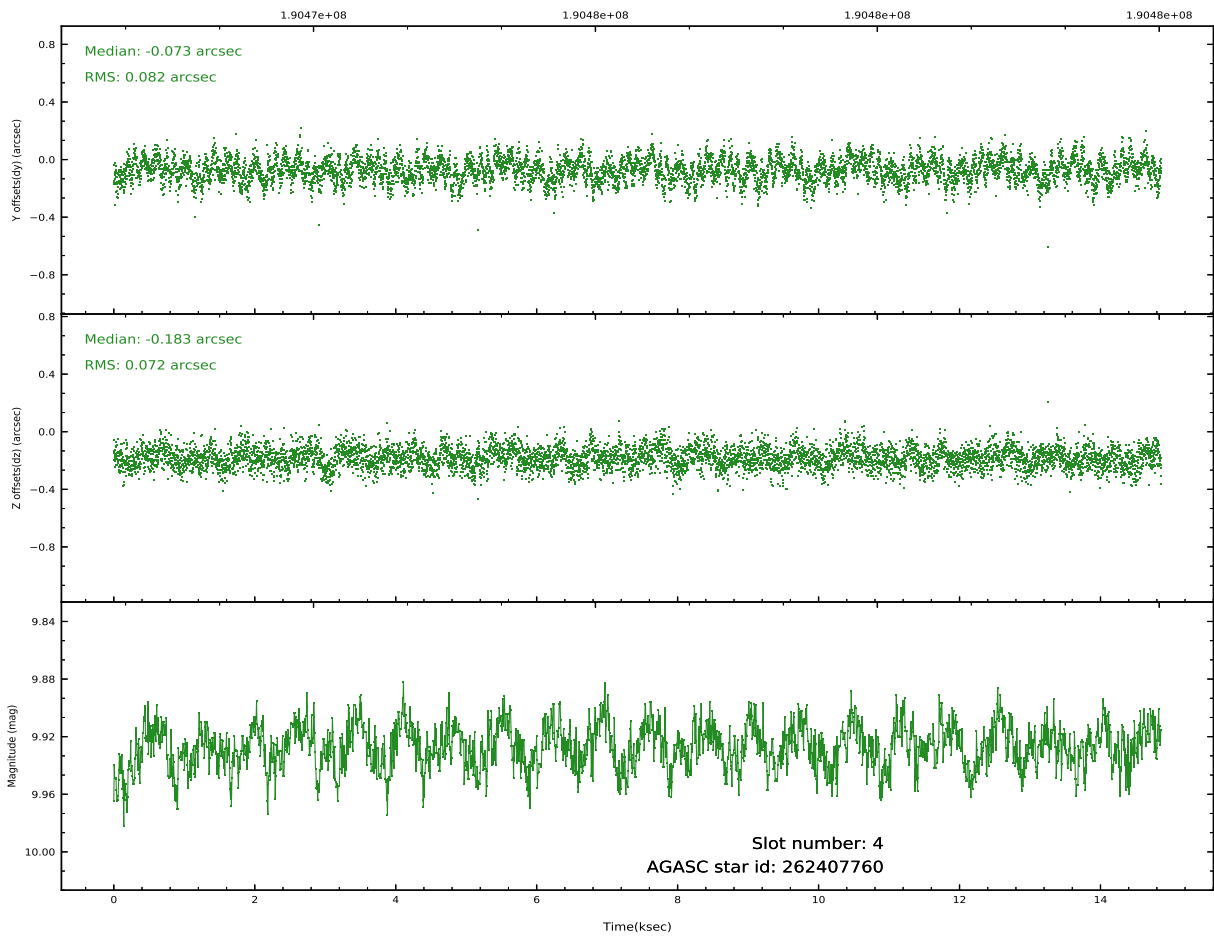
Time (s)



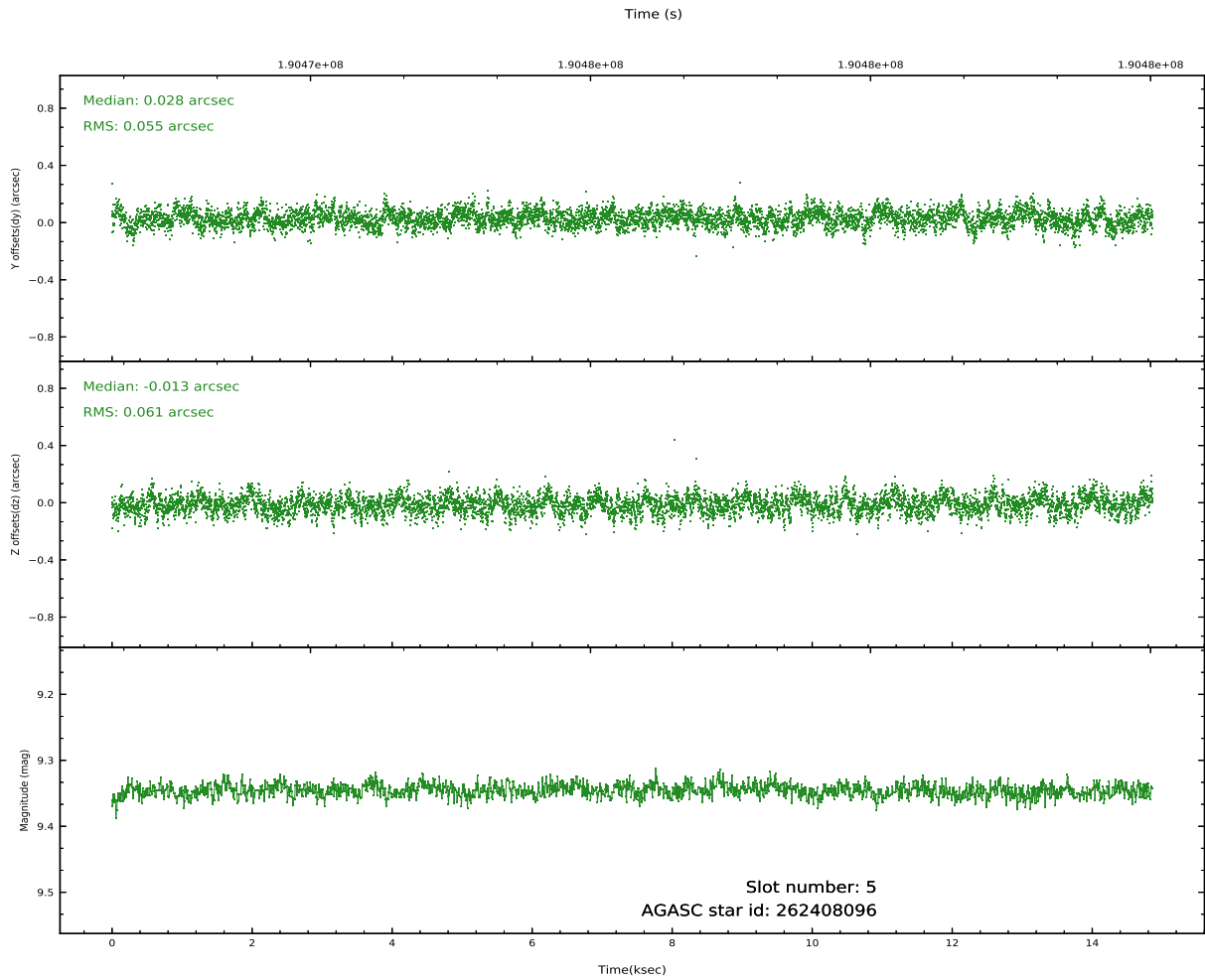
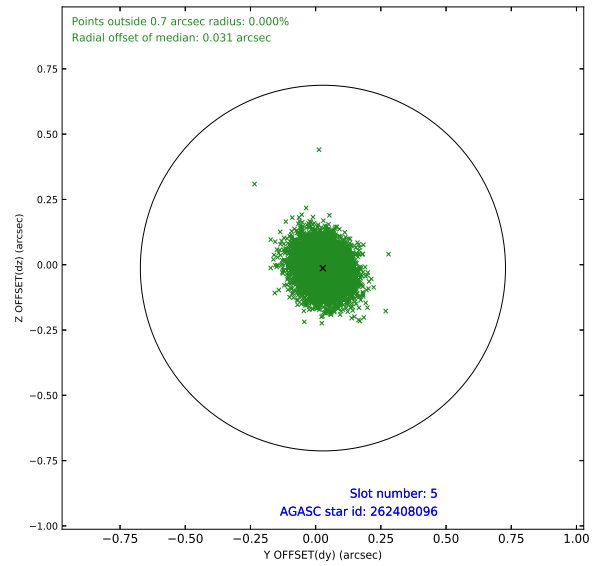
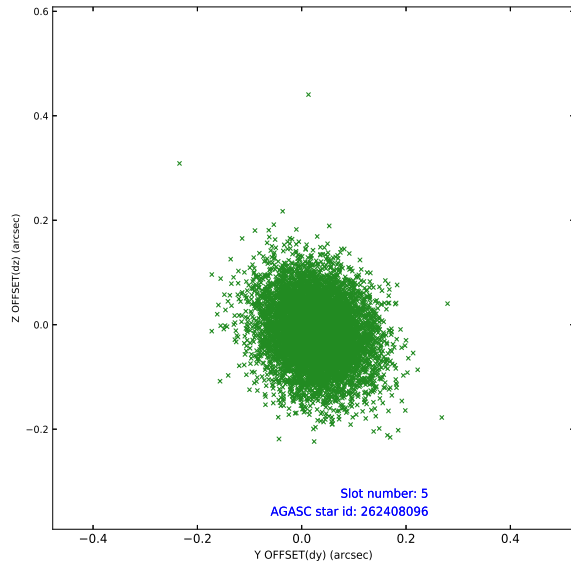
2.4.2 Slot 4



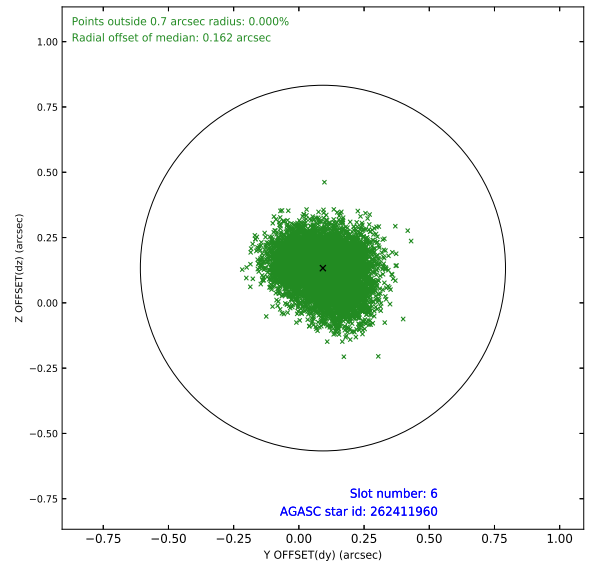
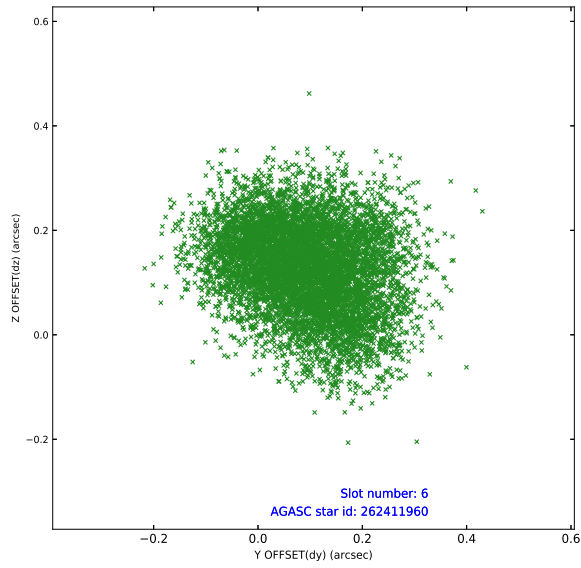
Time (s)



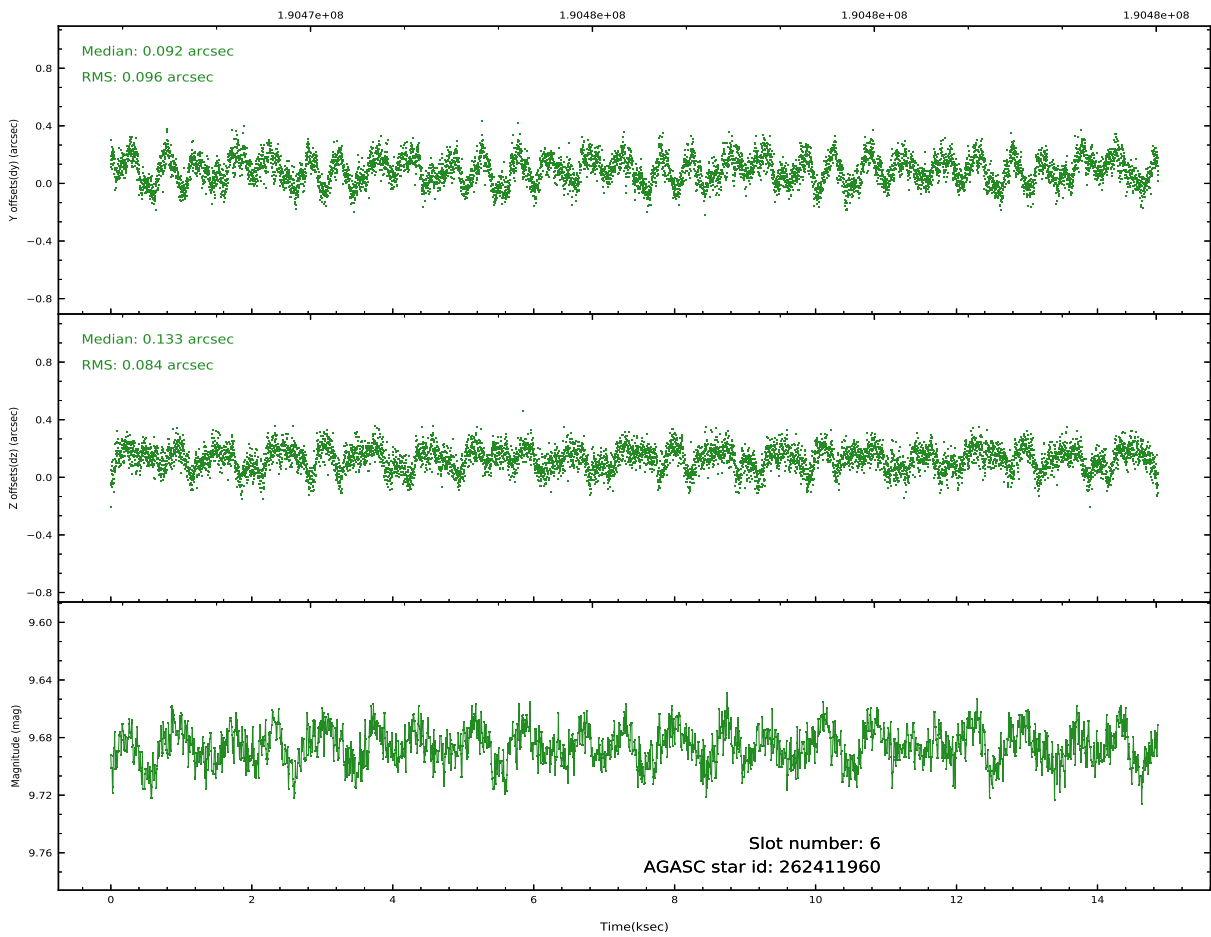
2.4.3 Slot 5



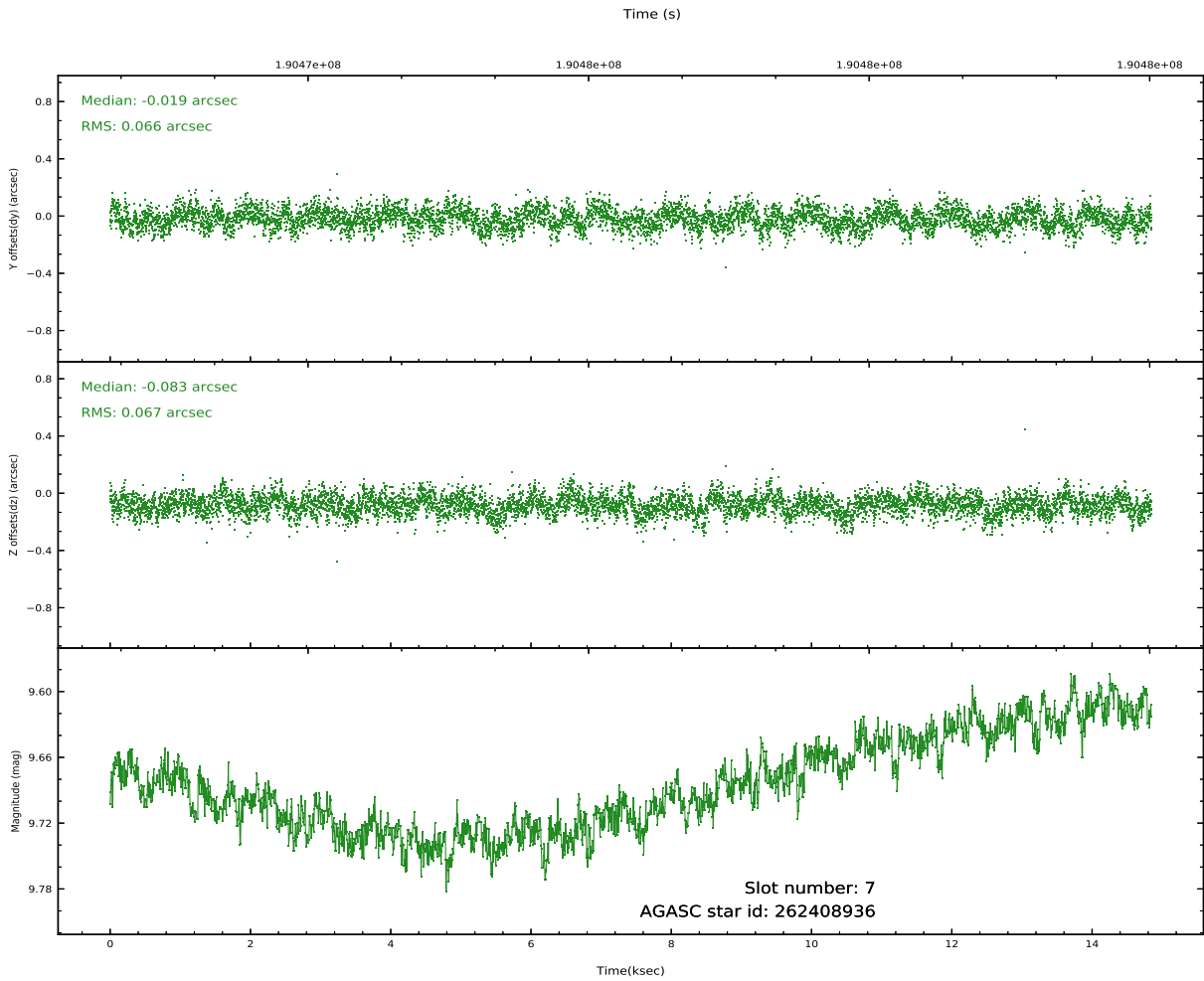
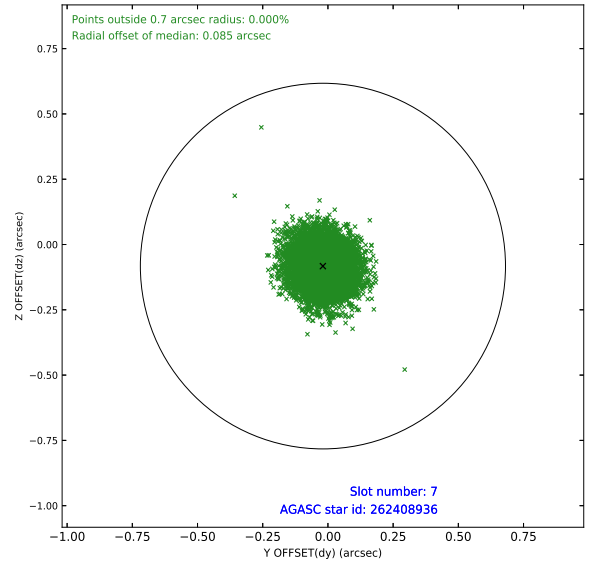
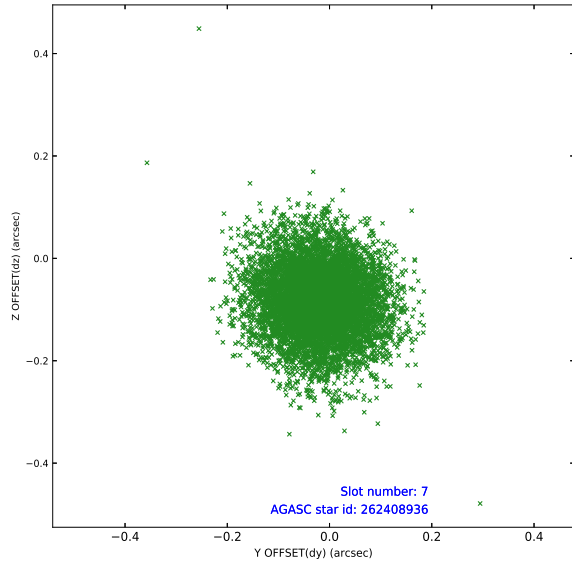
2.4.4 Slot 6



Time (s)

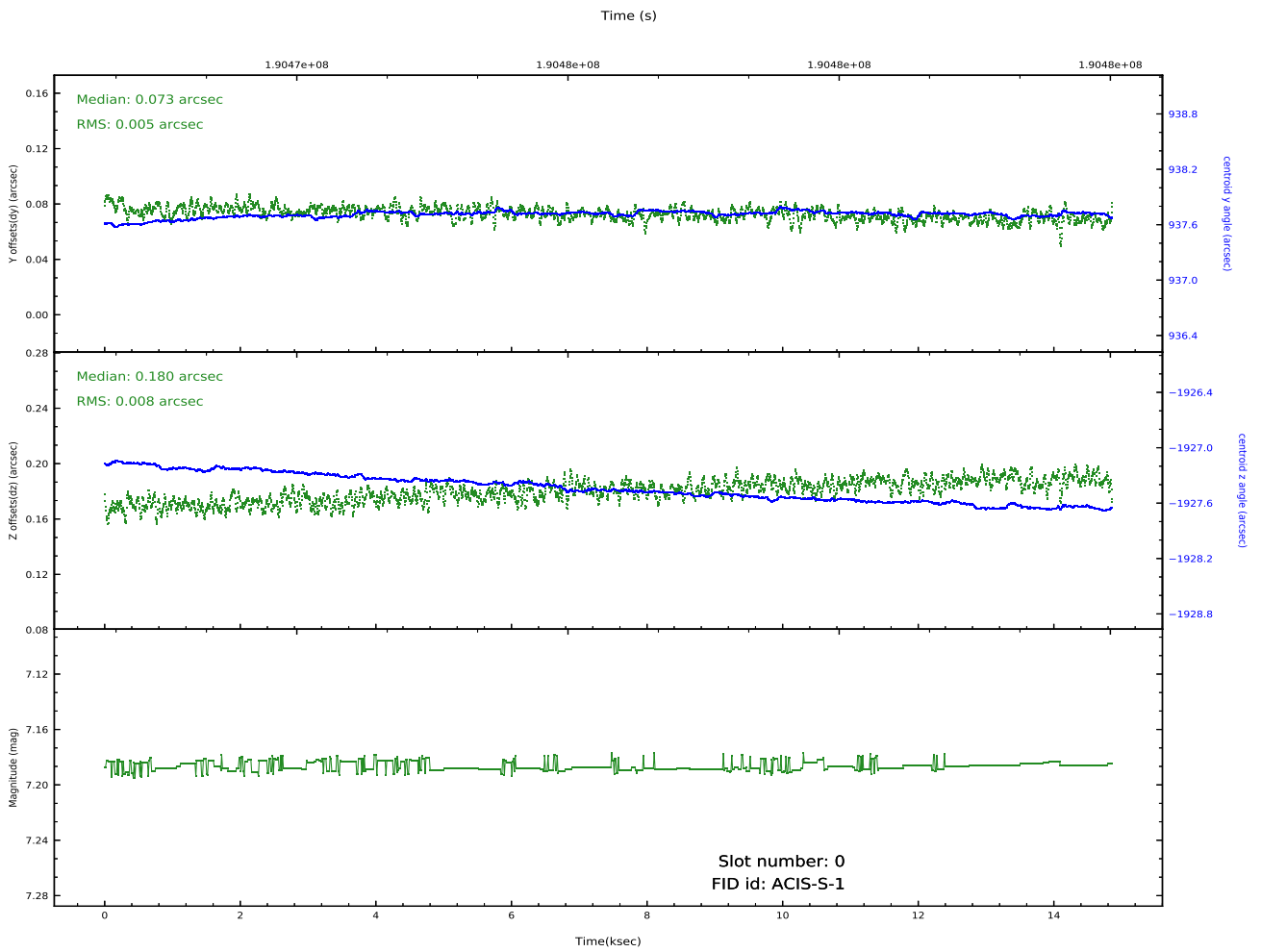
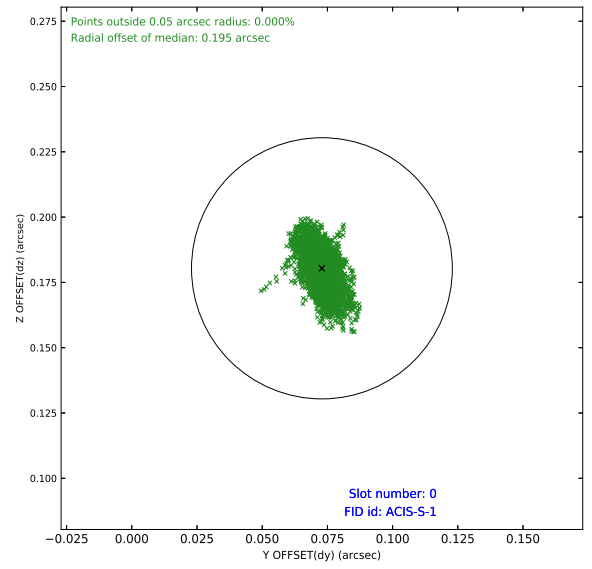
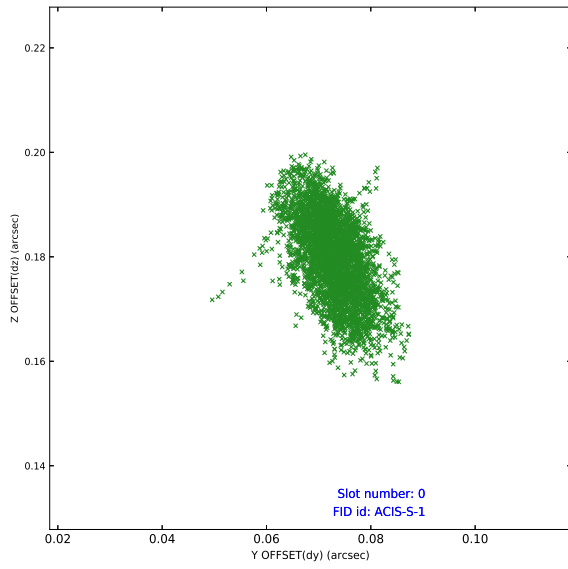


2.4.5 Slot 7

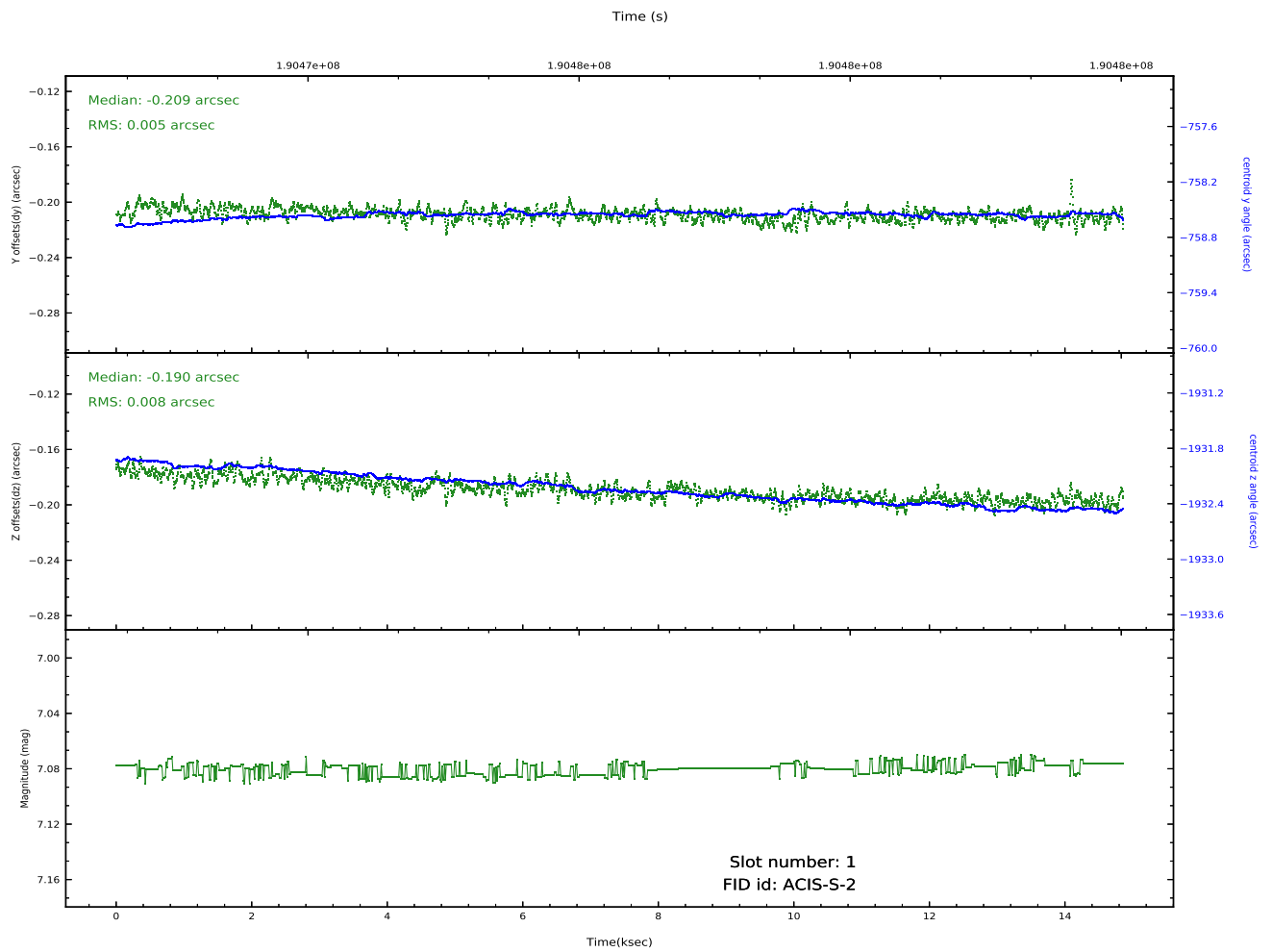
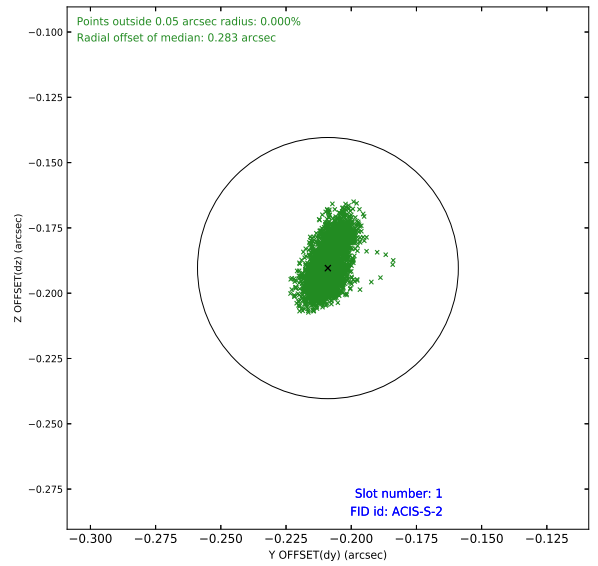
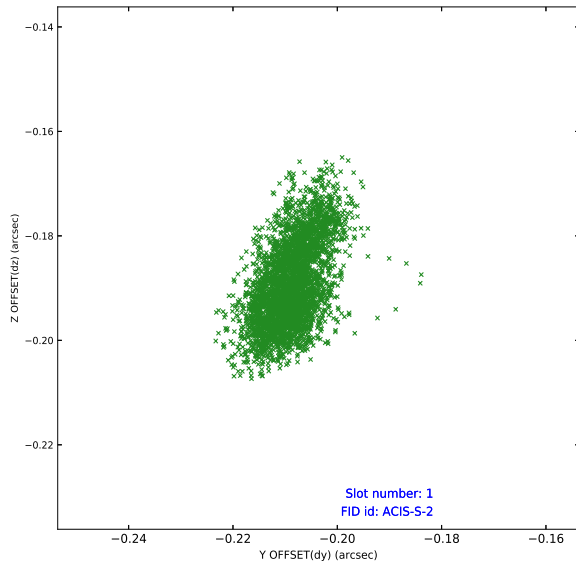


2.5 FID Slots

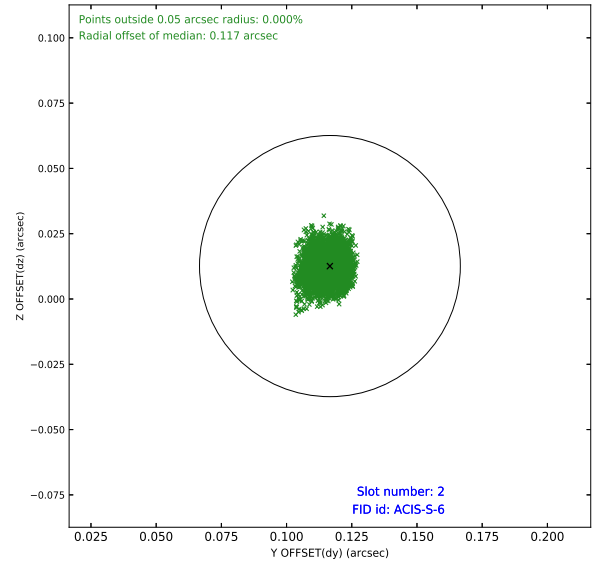
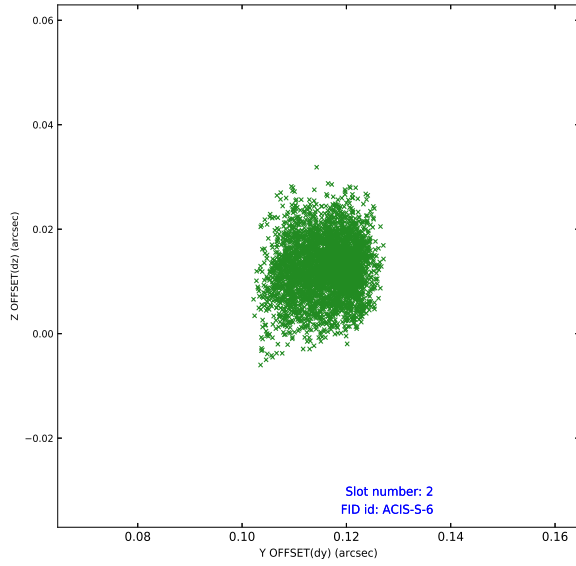
2.5.1 Slot 0



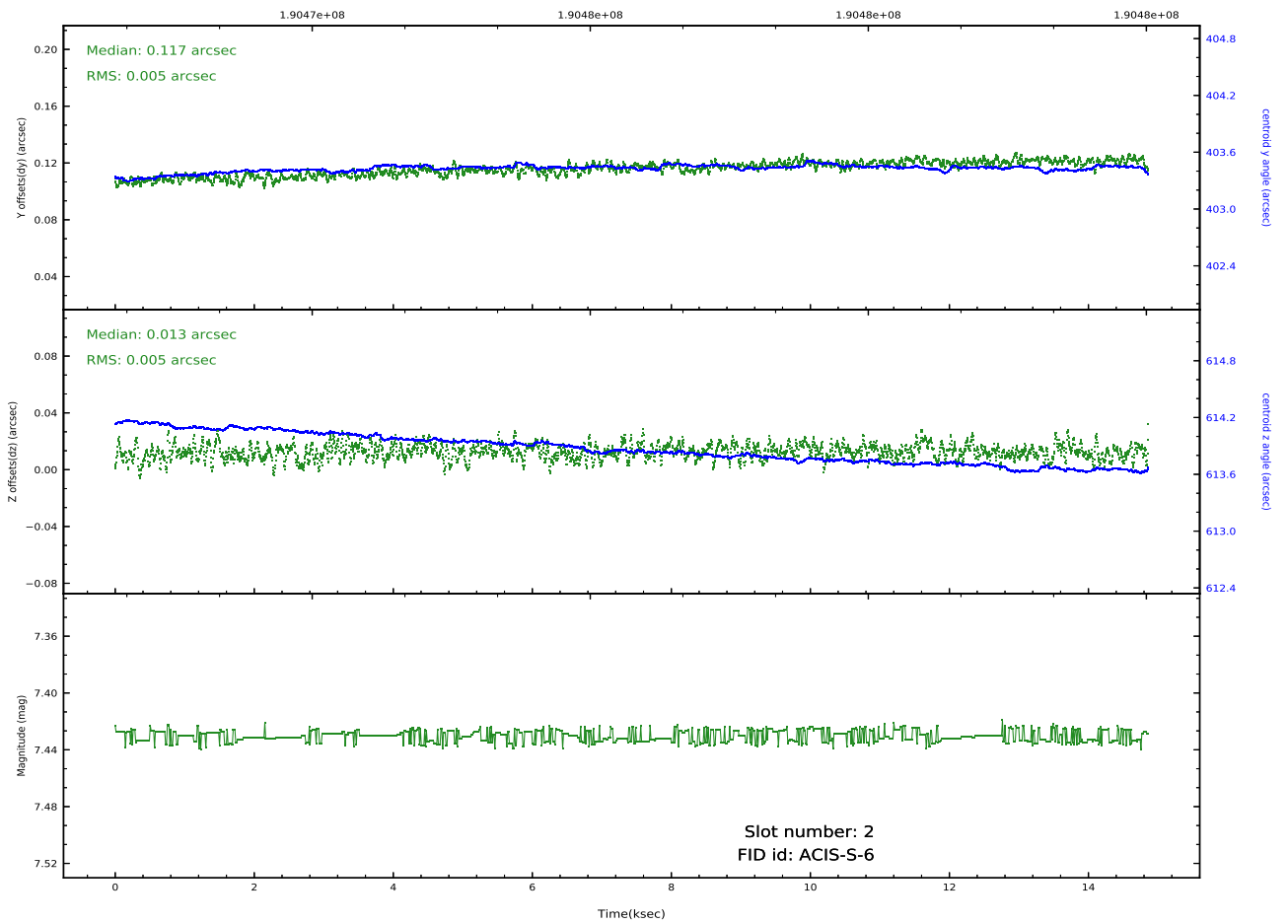
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.486

A.2 Comments

Window constraint met.