

V&V Reference Report

L2 ASCDS Version : 10.7

Observation 21143 - L2 Version 1
Chandra X-Ray Center

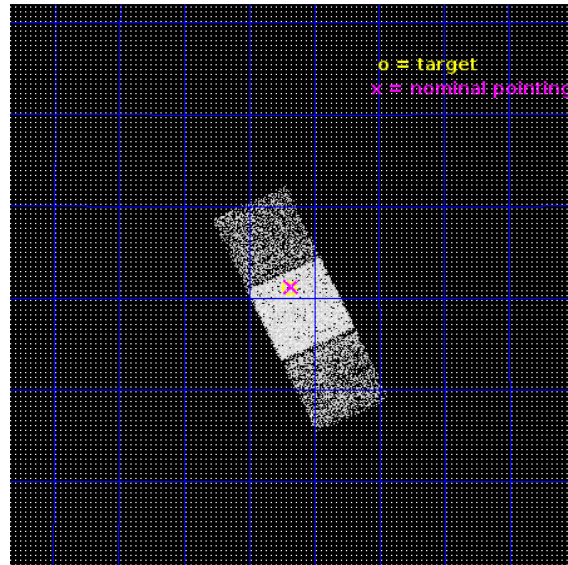
L2 Processing Date : Nov 16 2018

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1 Front

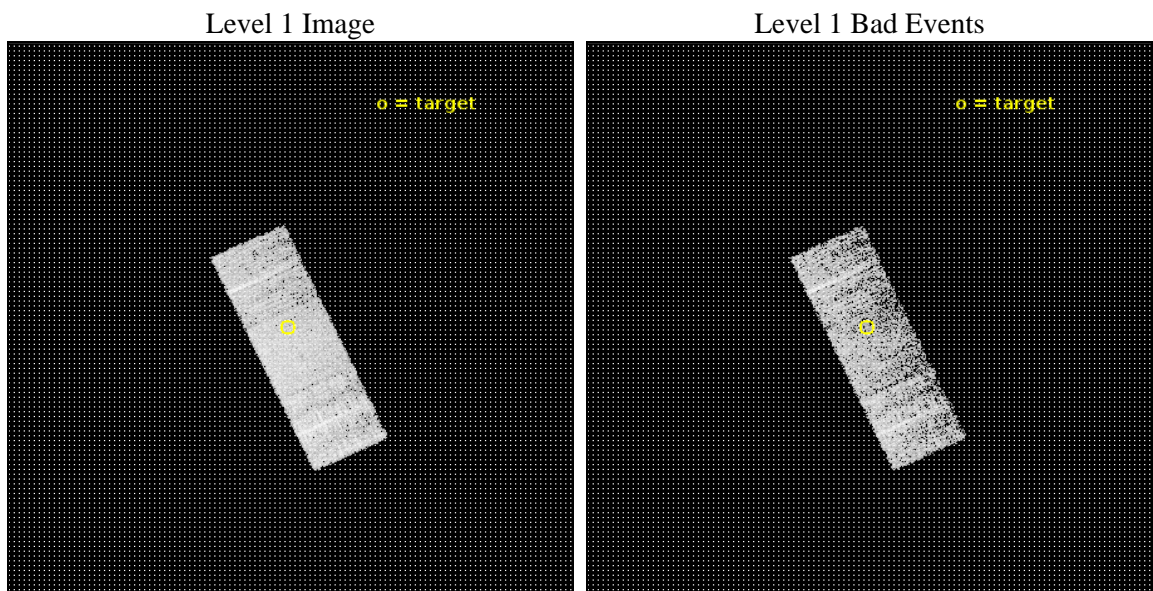
seq_num	703683	Sequence number
obs_id	21143	Observation id
title	A Chandra view of Eddington-limited accretion in DOGs	Proposal tit
observer	Dr. Gordon Garmire	Principal investigator
object	J1042+2451	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	160.67125	Observer's specified target RA [deg]
dec_targ	24.851944	Observer's specified target Dec [deg]
ra_nom	160.66860505696	Nominal RA [deg]
dec_nom	24.854163763281	Nominal Dec [deg]
roll_nom	64.867382257318	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3111.5699253082	Sum of GTIs [s]
livetime	3070.9149735296	Livetime [s]
ontime6	3111.5288853645	Sum of GTIs [s]
ontime7	3111.5699253082	Sum of GTIs [s]
ontime8	3111.4878453016	Sum of GTIs [s]
l2events	17783	Number of level 2 events



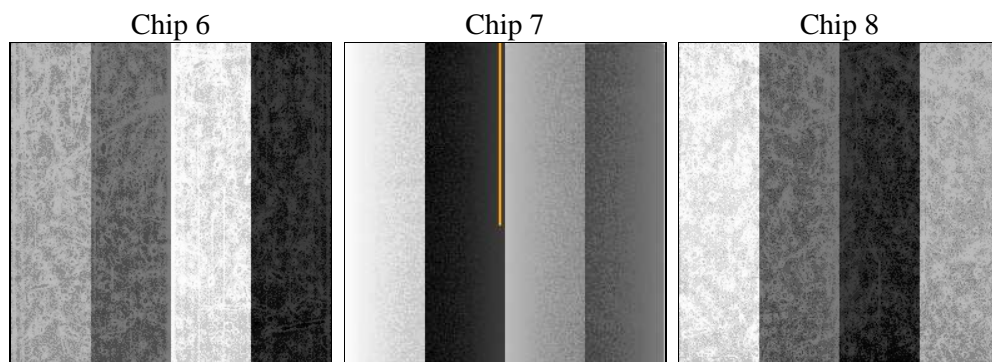
2 OBI

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	10.7	Processing system revision	ontime	3111.5699253082	Sum of GTIs [s]
caldsver	4.8.0.1	 	ontime6	3111.5288853645	Sum of GTIs [s]
date	2018-11-16T20:19:58	Date and time of file creation	ontime7	3111.5699253082	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3111.4878453016	Sum of GTIs [s]
			l1events	83752	Number of level 1 events

2.1.4 Events

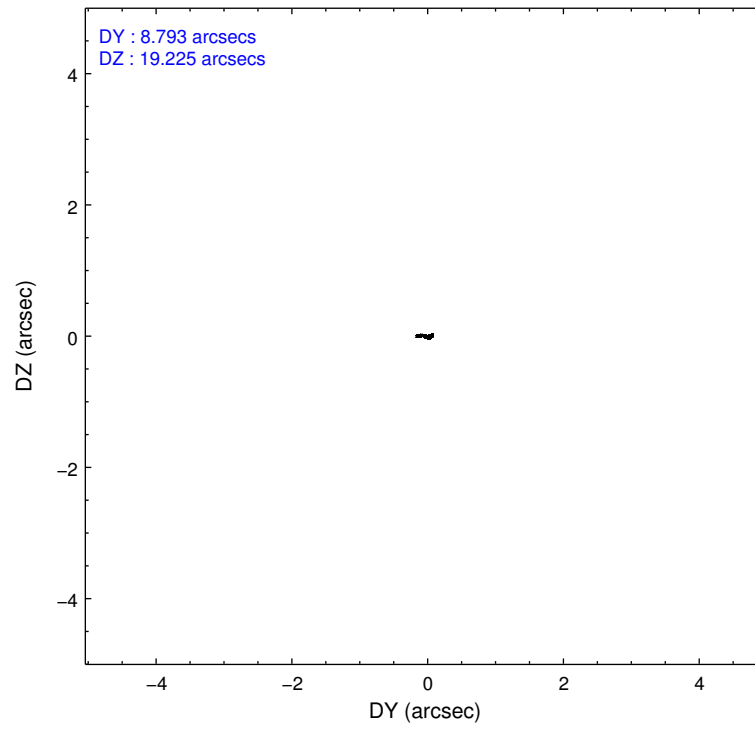
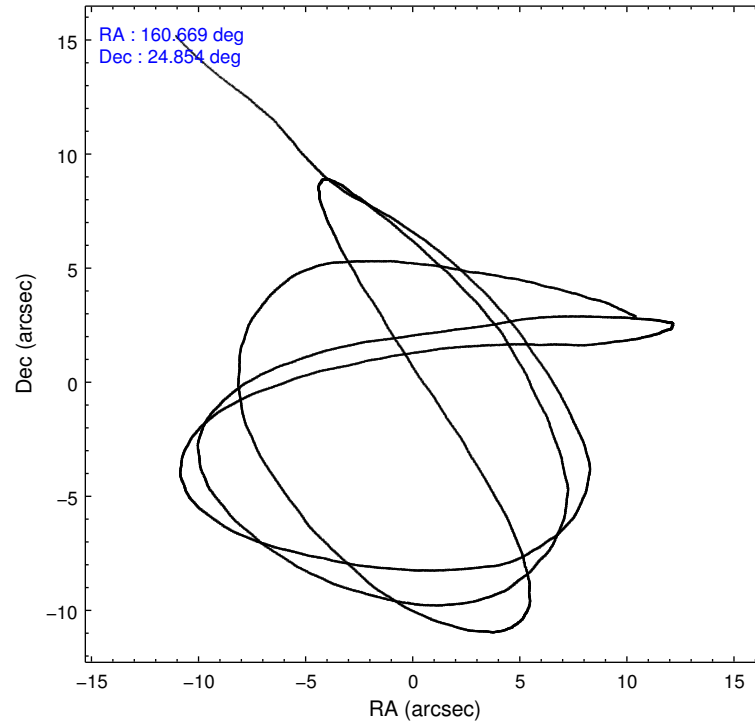
	ccd 6	ccd 7	ccd 8
level 1 events	22826	29653	31273
rejected events	20172	16682	22450
rejected %	88%	56%	71%

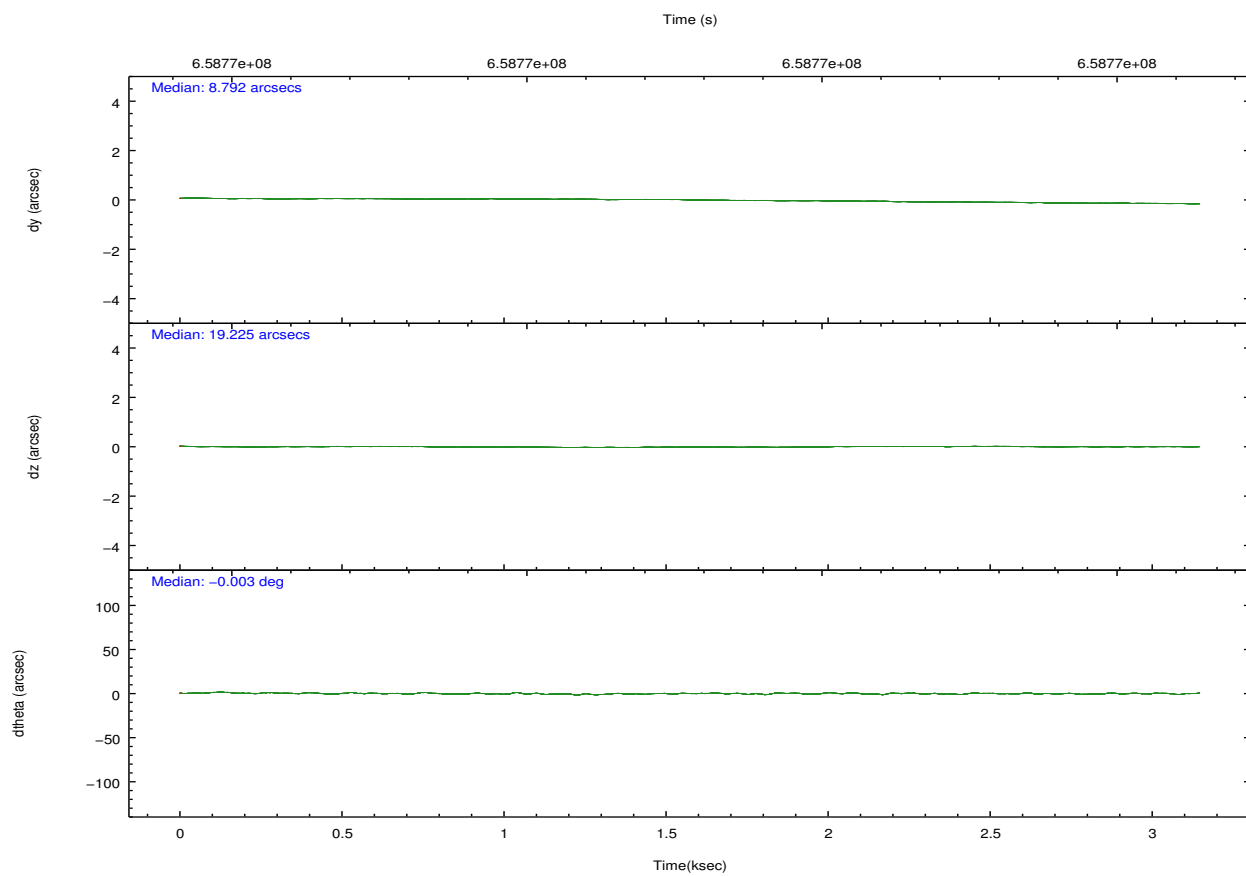
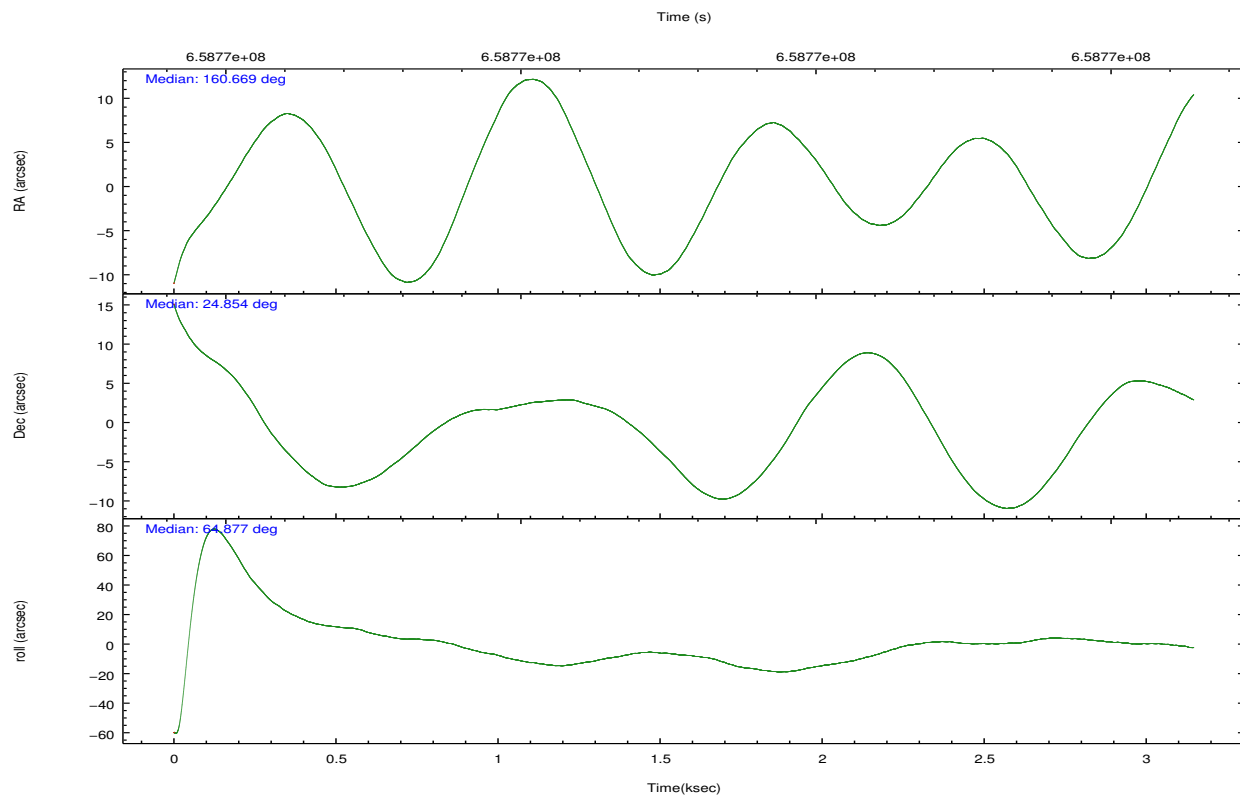
	ccd 6	ccd 7	ccd 8
grade 0 events	868	1066	2461
	3%	3%	7%
grade 1 events	15	46	38
	0%	0%	0%
grade 2 events	596	2758	2168
	2%	9%	6%
grade 3 events	264	1046	901
	1%	3%	2%
grade 4 events	307	983	827
	1%	3%	2%
grade 5 events	1108	2981	1662
	4%	10%	5%
grade 6 events	625	7139	2468
	2%	24%	7%
grade 7 events	19043	13634	20748
	83%	45%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	160.671639	160.6686050569605	Subarray requested	NONE	NONE
[deg] Pointing Dec	24.826698	24.85416376328091	Alternating exposures requested	N	N
[deg] Pointing Roll	64.710152	64.86738225731797	[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)	658766143.184000	658765263.74084			
Observation start date	2018-11-16T14:34:34	2018-11-16T14:21:03			
[s] Observation end time (MET)	658769143.184000	658770033.57862			
Observation end date	2018-11-16T15:24:34	2018-11-16T15:40:33			
Read mode	TIMED	TIMED			

2.3 Aspect



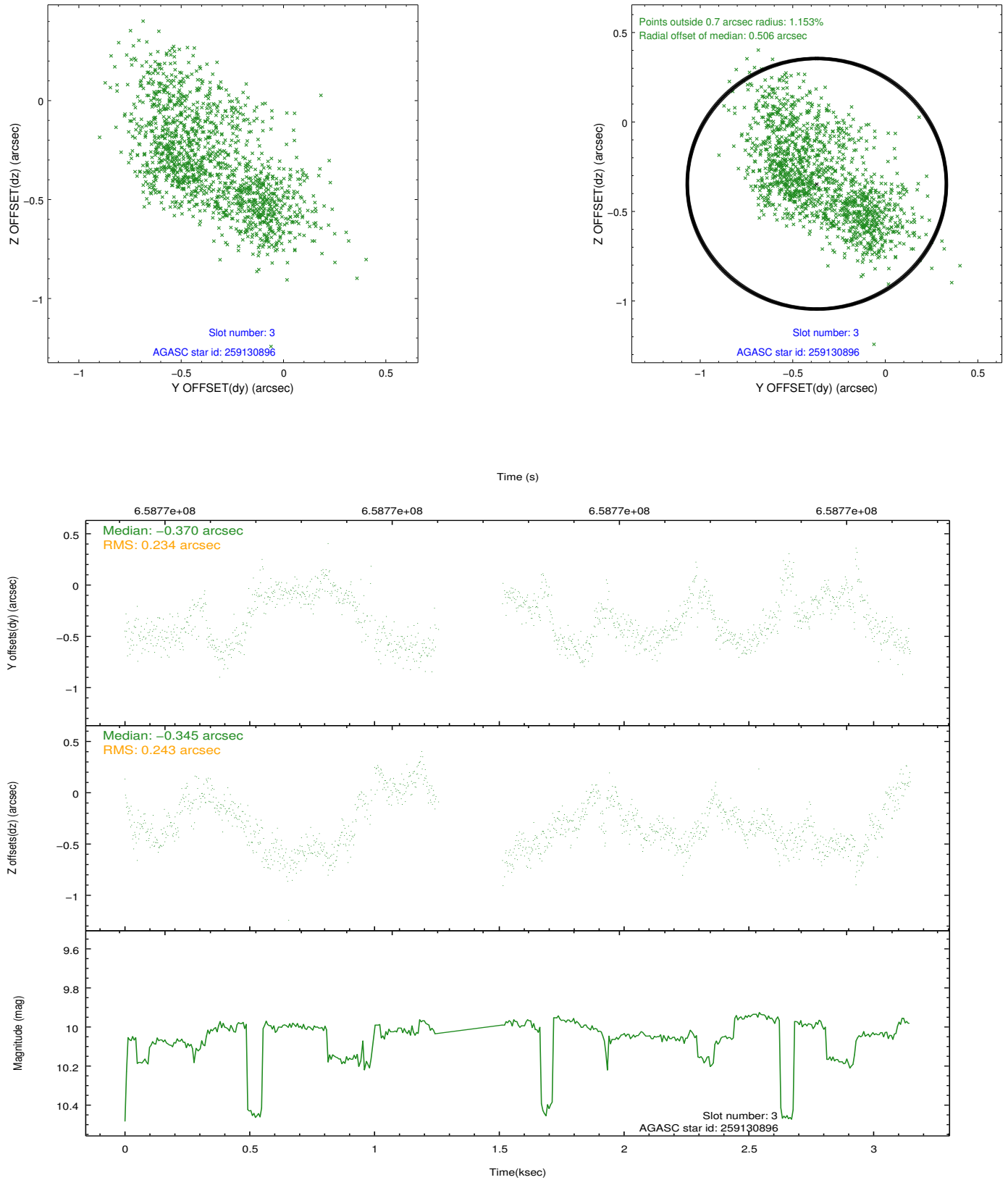


Slot Statistics

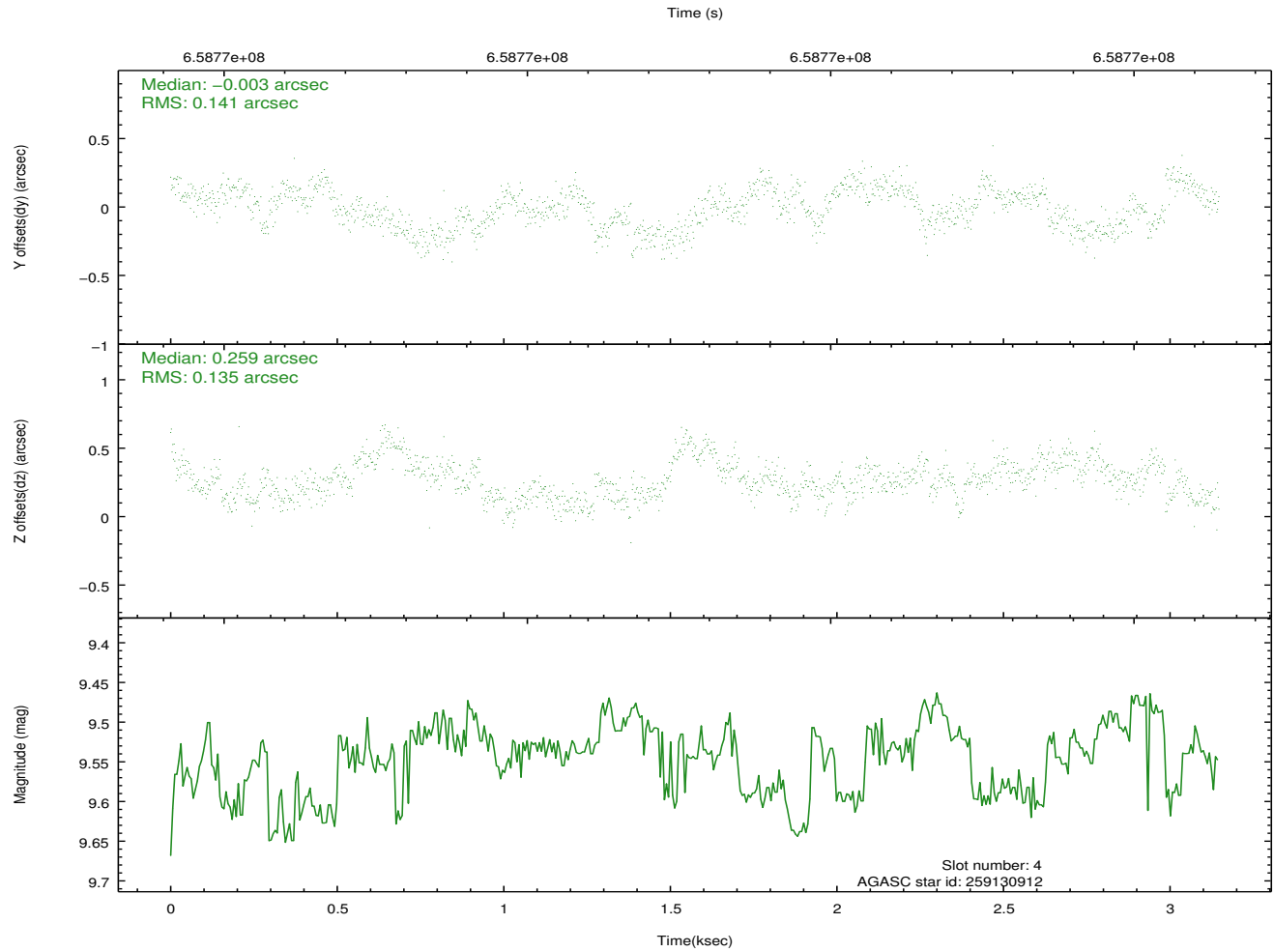
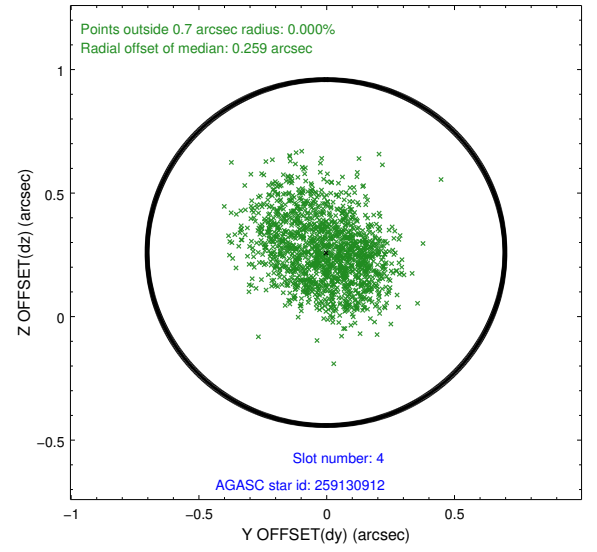
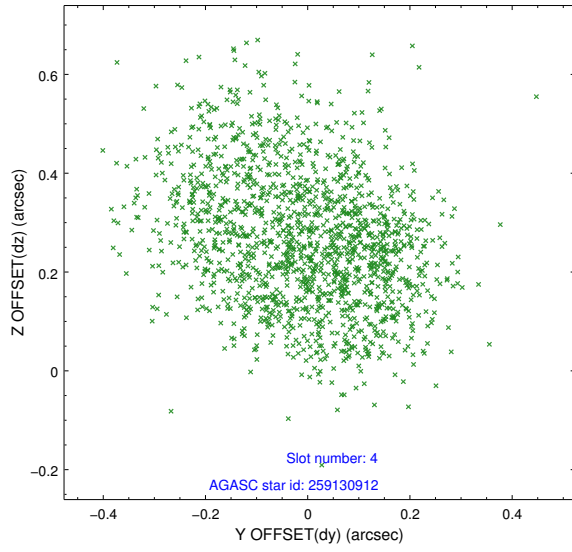
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.11	768	1.000	0.208	0.069	0.007	0.011	0.000000	0.000000	934.60	-1736
1	FID		ACIS-S-2	7.01	768	1.000	-0.307	-0.158	0.007	0.011	0.000000	0.000000	-760.69	-1743
2	FID		ACIS-S-6	7.27	768	1.000	0.079	0.094	0.007	0.011	0.000000	0.000000	399.31	802
3	GUIDE	used	259130896	10.03	1388	1.000	-0.370	-0.345	0.365	0.570	160.773971	25.351129	1849.23	504
4	GUIDE	used	259130912	9.54	1536	1.000	-0.003	0.259	0.211	0.328	161.197803	25.068476	1523.88	-1178
5	GUIDE	used	259133976	9.42	1533	1.000	-0.120	-0.209	0.244	0.378	160.716582	25.150640	1118.07	364
6	GUIDE	used	259135592	9.78	1532	1.000	0.110	0.284	0.166	0.274	160.806835	24.859595	295.83	-348
7	GUIDE	used	259136320	9.26	1533	1.000	0.352	-0.039	0.159	0.265	160.427058	24.371434	-1823.14	25

2.4 Star Slots

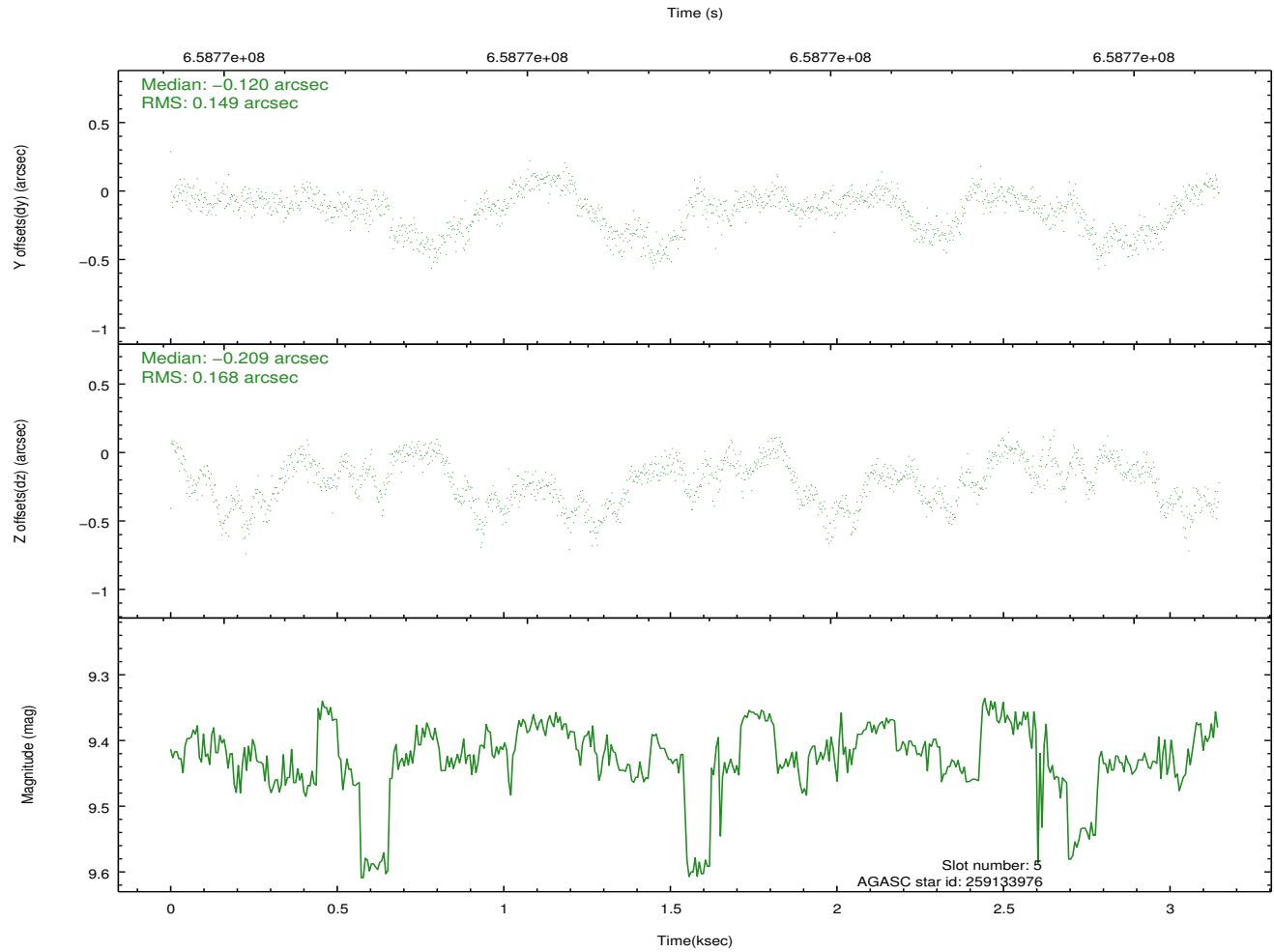
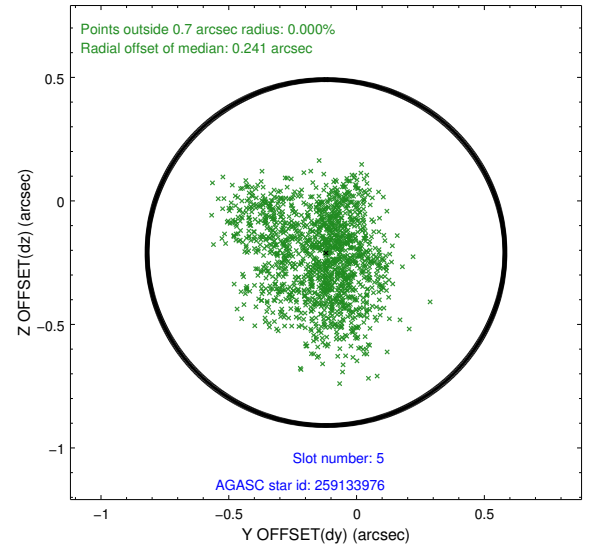
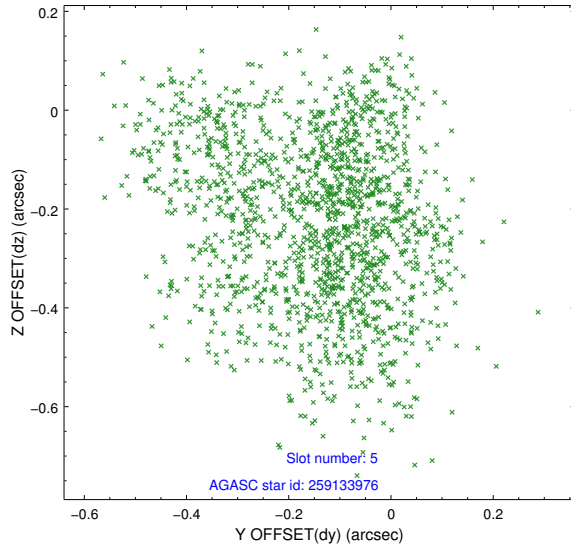
2.4.1 Slot 3



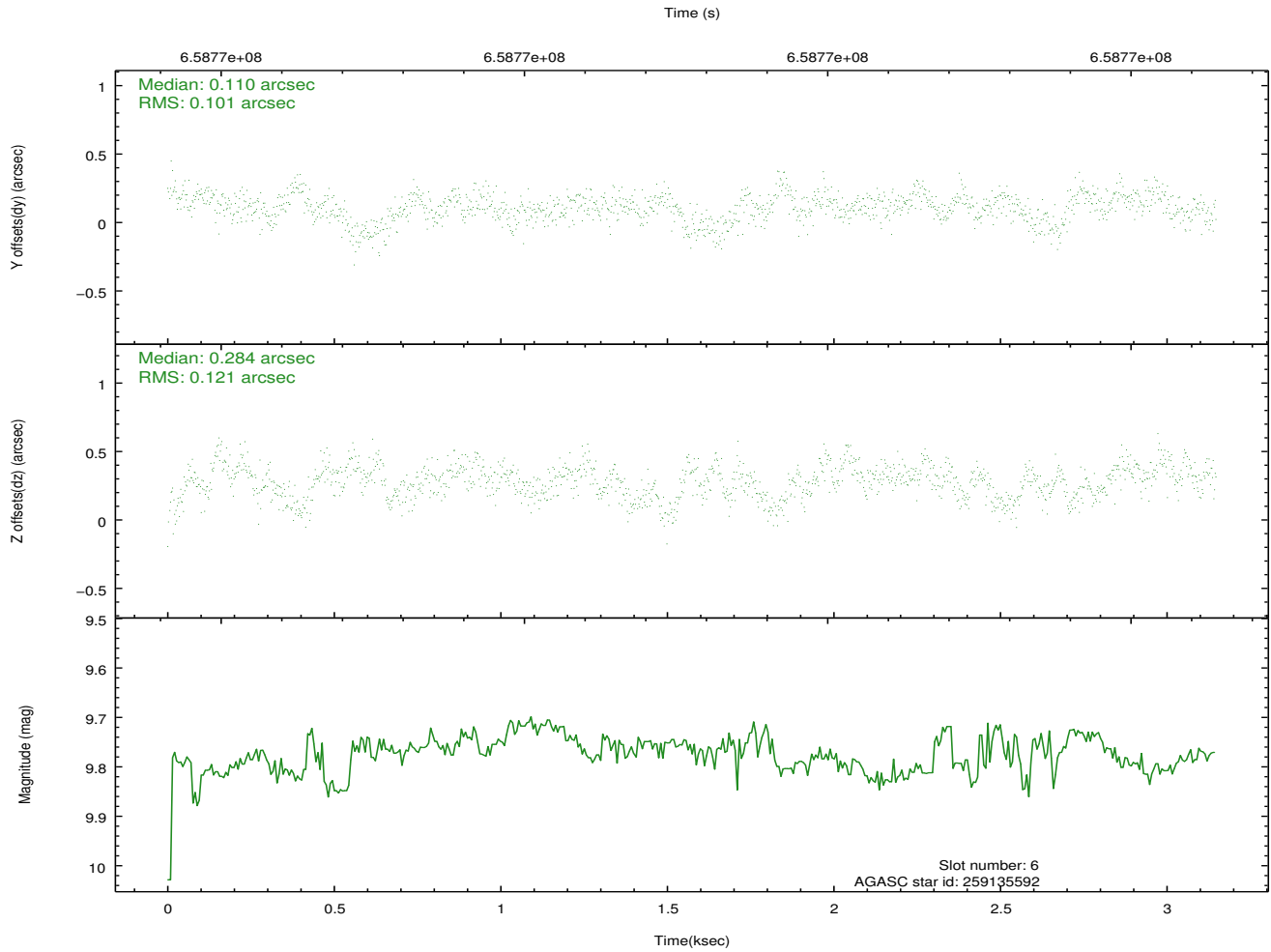
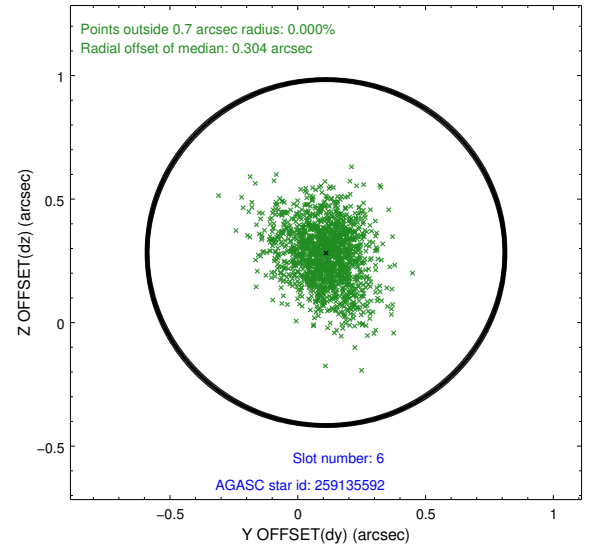
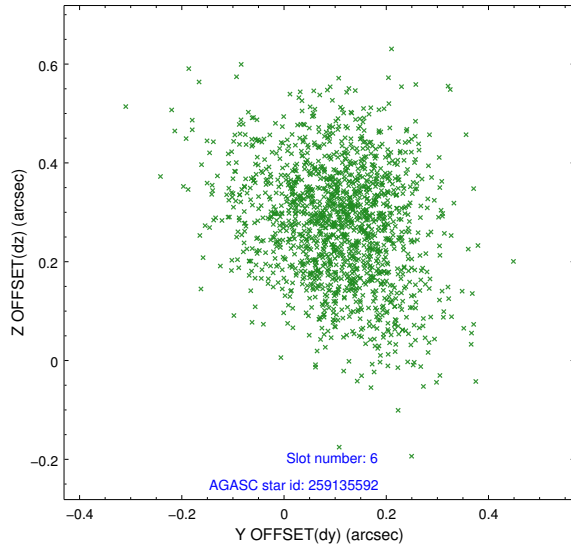
2.4.2 Slot 4



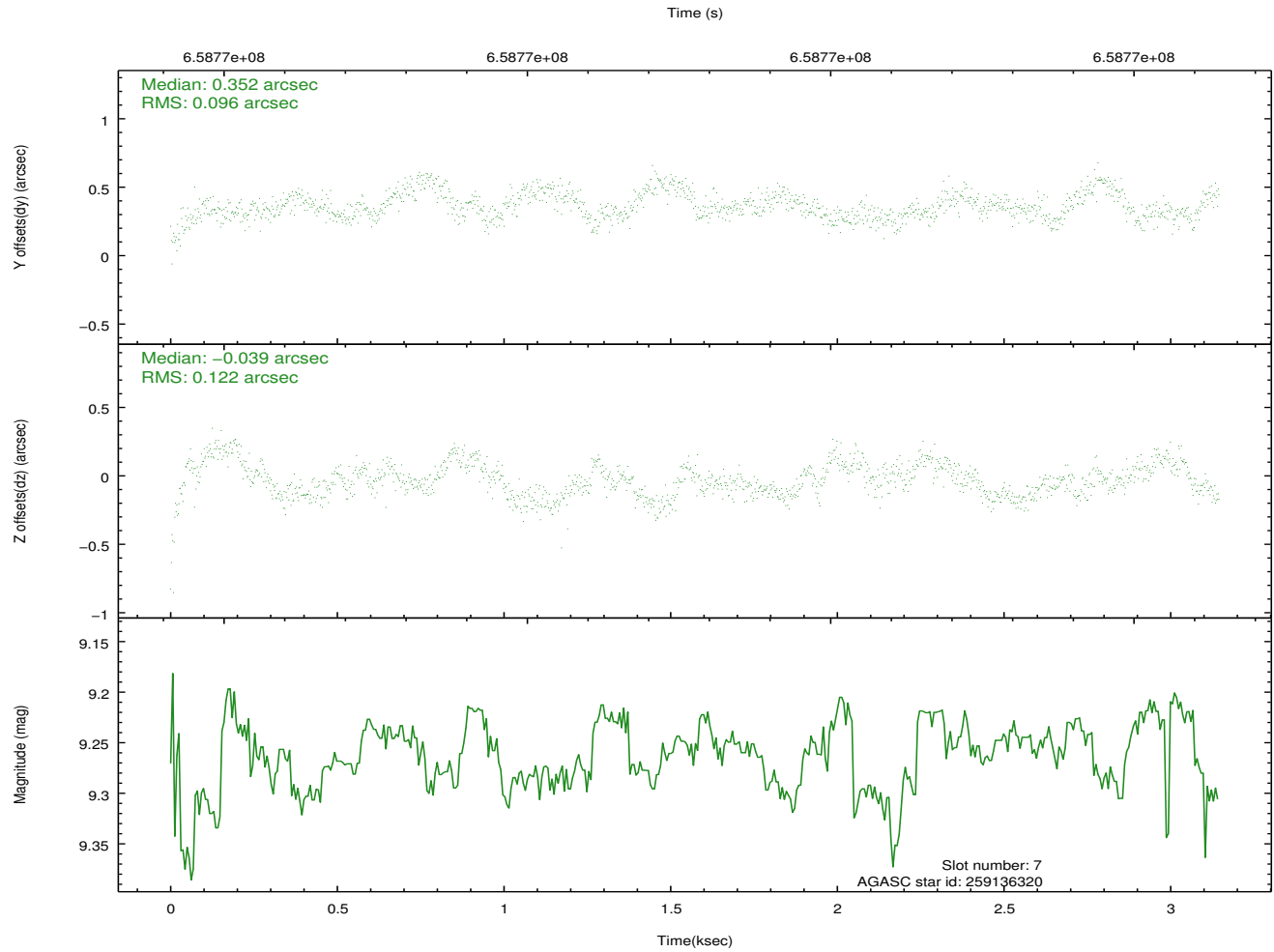
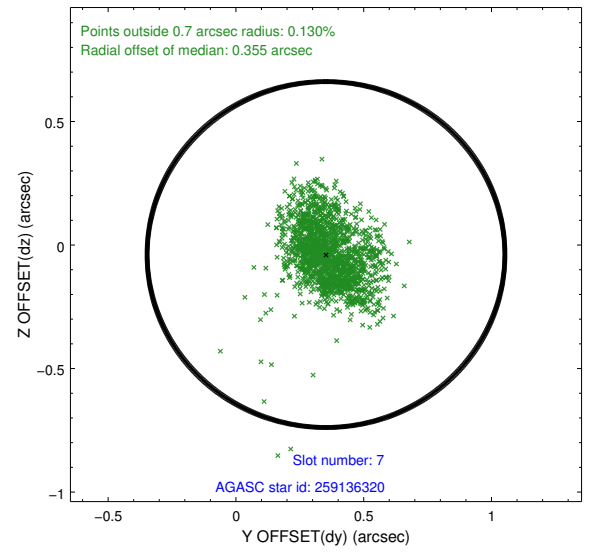
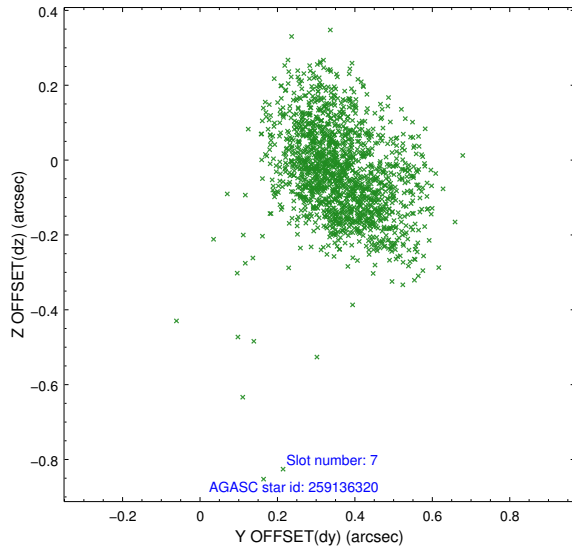
2.4.3 Slot 5



2.4.4 Slot 6

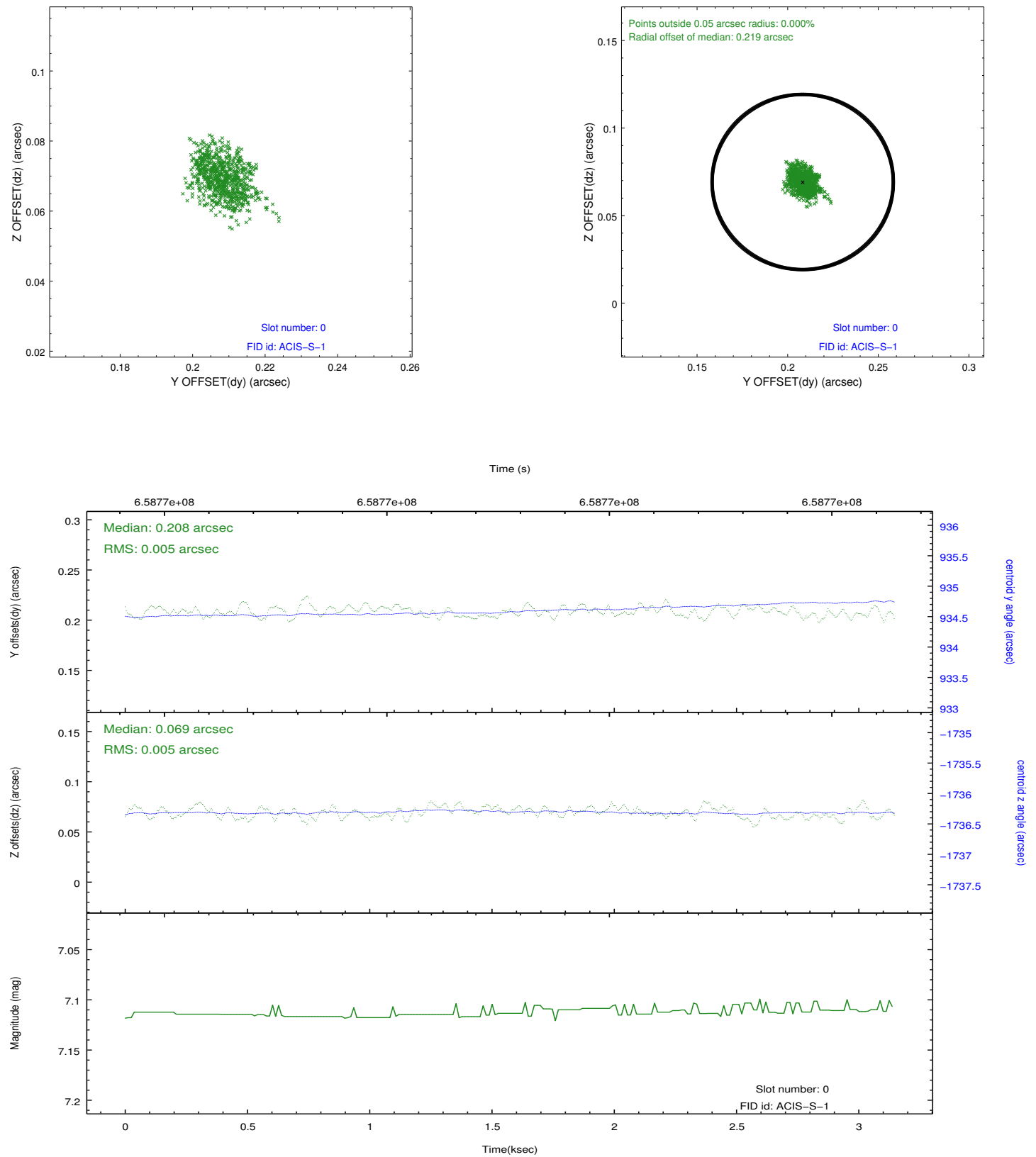


2.4.5 Slot 7

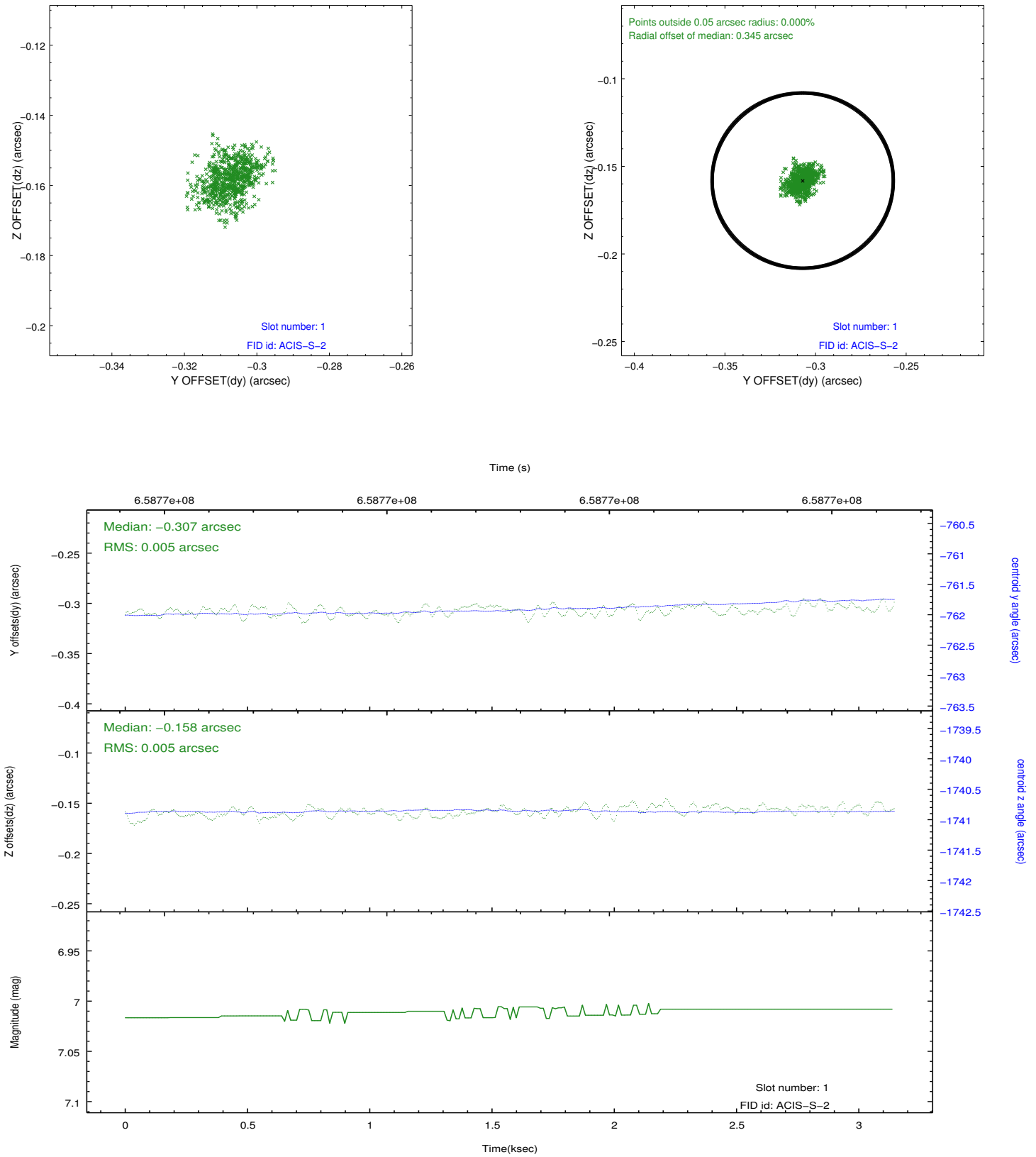


2.5 FID Slots

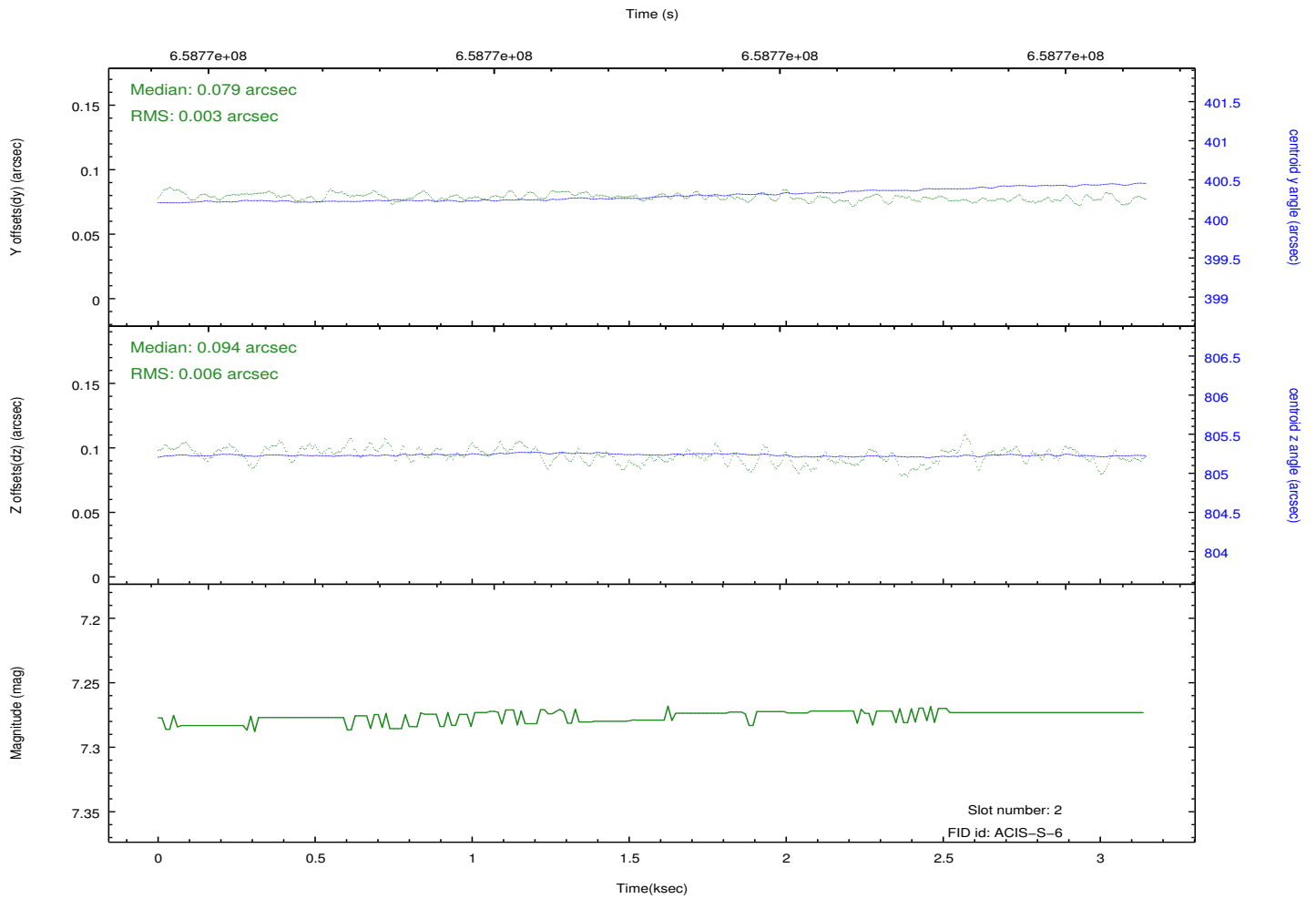
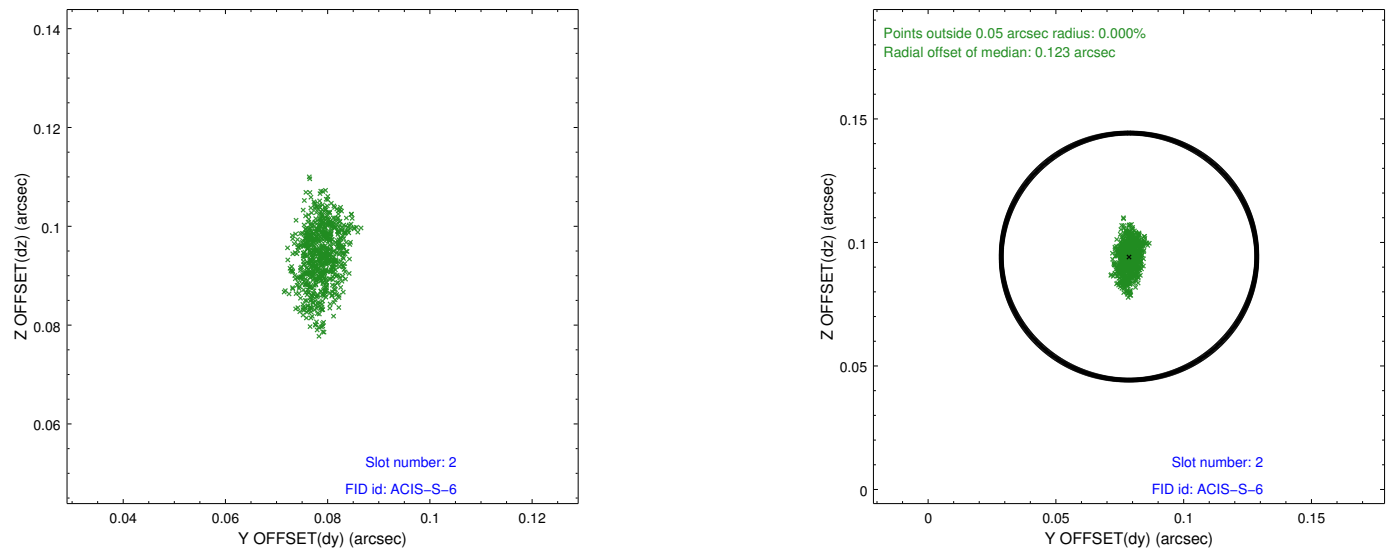
2.5.1 Slot 0



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)	2018.11.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1115699253082

A.2 Comments