

V&V Reference Report

L2 ASCDS Version : 10.7

Observation 21467 - L2 Version 1
Chandra X-Ray Center

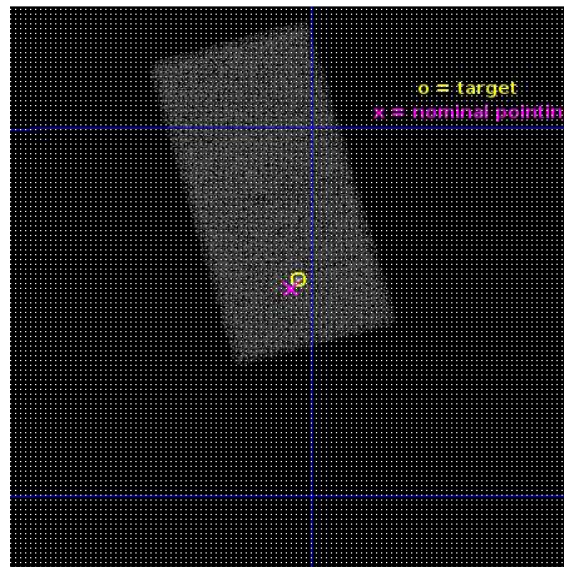
L2 Processing Date : Dec 11 2018

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1 Front

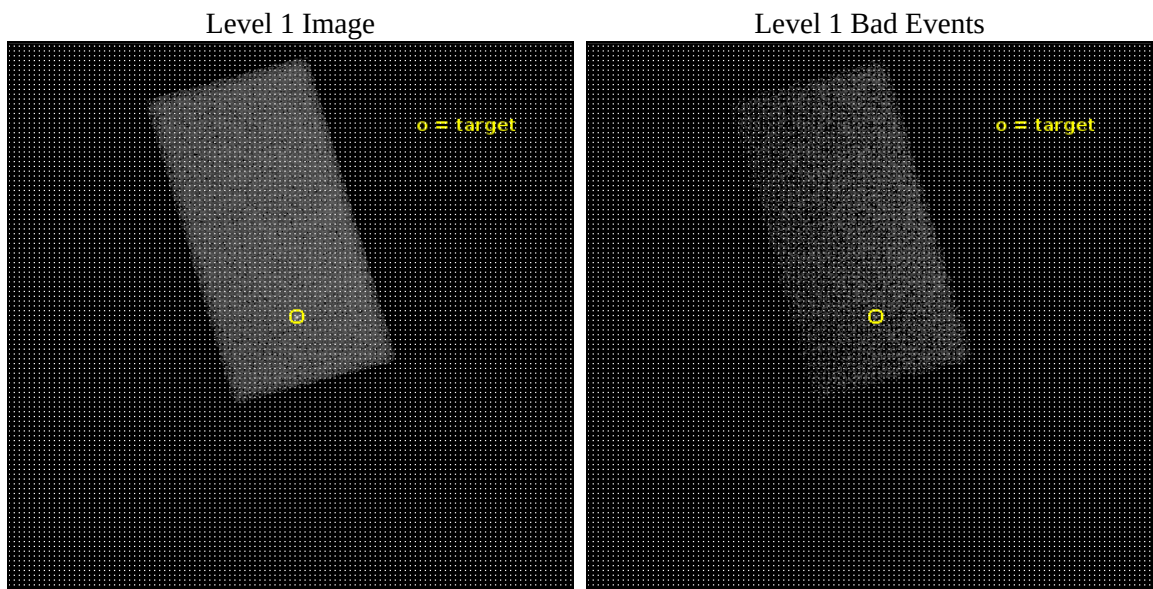
seq_num	703763	Sequence number
obs_id	21467	Observation id
title	Feedback in the Molecular Disk of the Radio-Loud Seyfert Galaxy IC 5063	Proposal title
observer	Giuseppina Fabbiano	Principal investigator
object	IC5063	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	313.009583	Observer's specified target RA [deg]
dec_targ	-57.068889	Observer's specified target Dec [deg]
ra_nom	313.01517532044	Nominal RA [deg]
dec_nom	-57.072804513877	Nominal Dec [deg]
roll_nom	254.16130929563	Nominal Roll [deg]
revision	1	Processing version of data
ontime	27669.0	Sum of GTIs [s]
livetime	26932.136738826	Livetime [s]
ontime7	27669.0	Sum of GTIs [s]
l2events	64103	Number of level 2 events



2 OBI

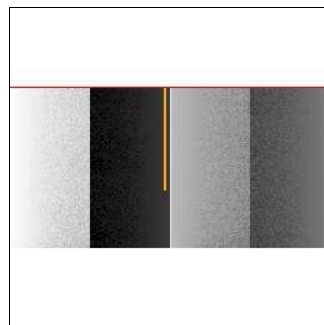
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	27600.000000	[s] Scheduled observation exposure time
ascdsver	10.7	Processing system revision	ontime	27669.0	Sum of GTIs [s]
caldsver	4.8.0.1	 	ontime7	27669.0	Sum of GTIs [s]
date	2018-12-12T02:42:24	Date and time of file creation	l1events	137180	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

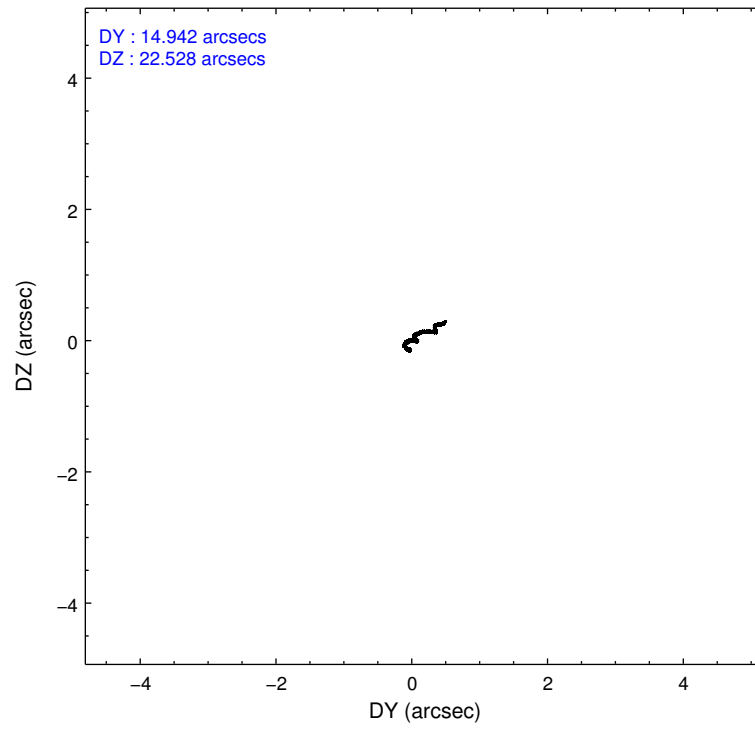
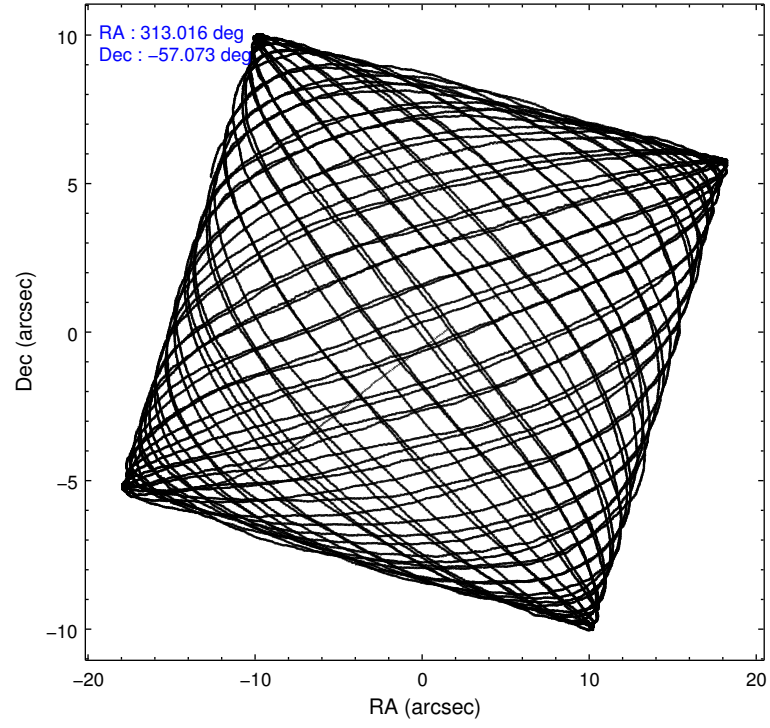
	ccd 7
level 1 events	137180
rejected events	71442
rejected %	52%

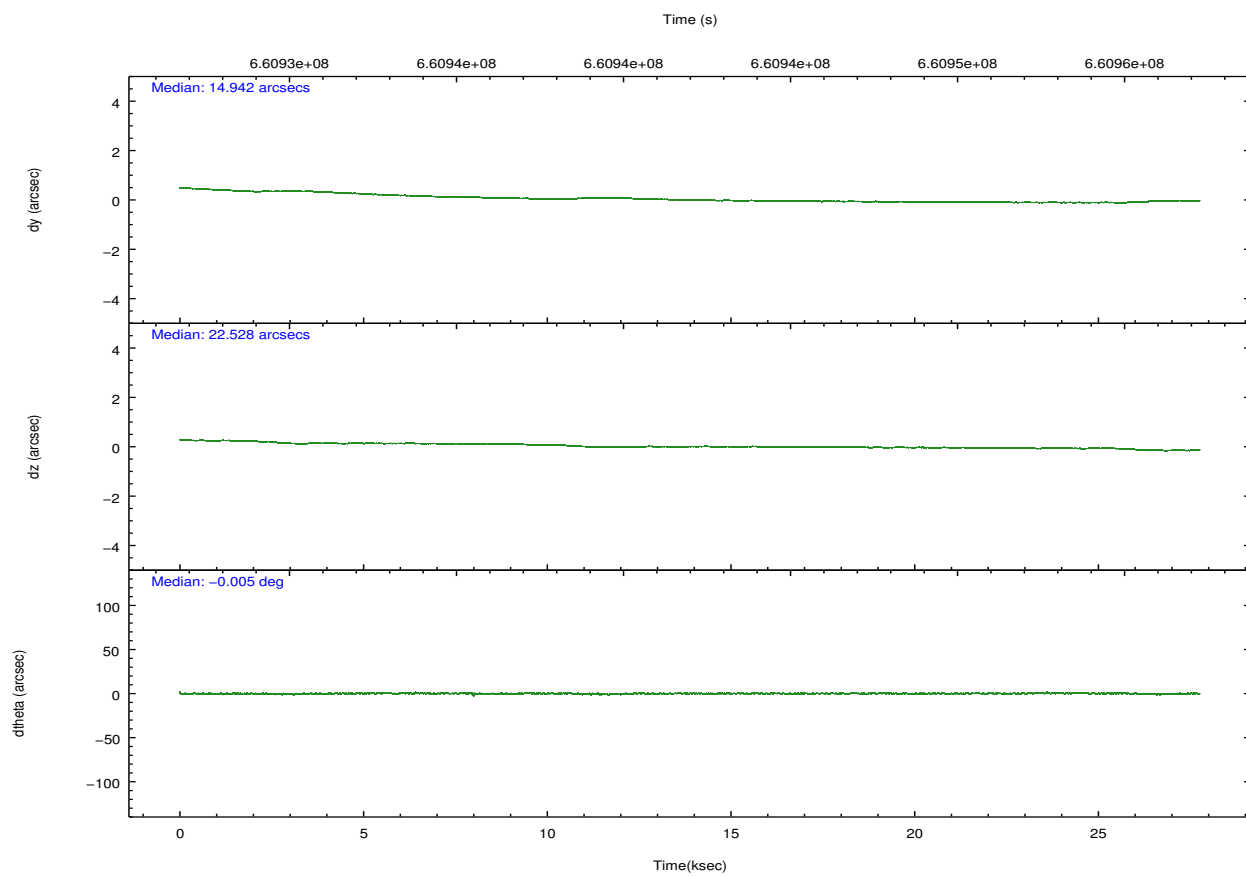
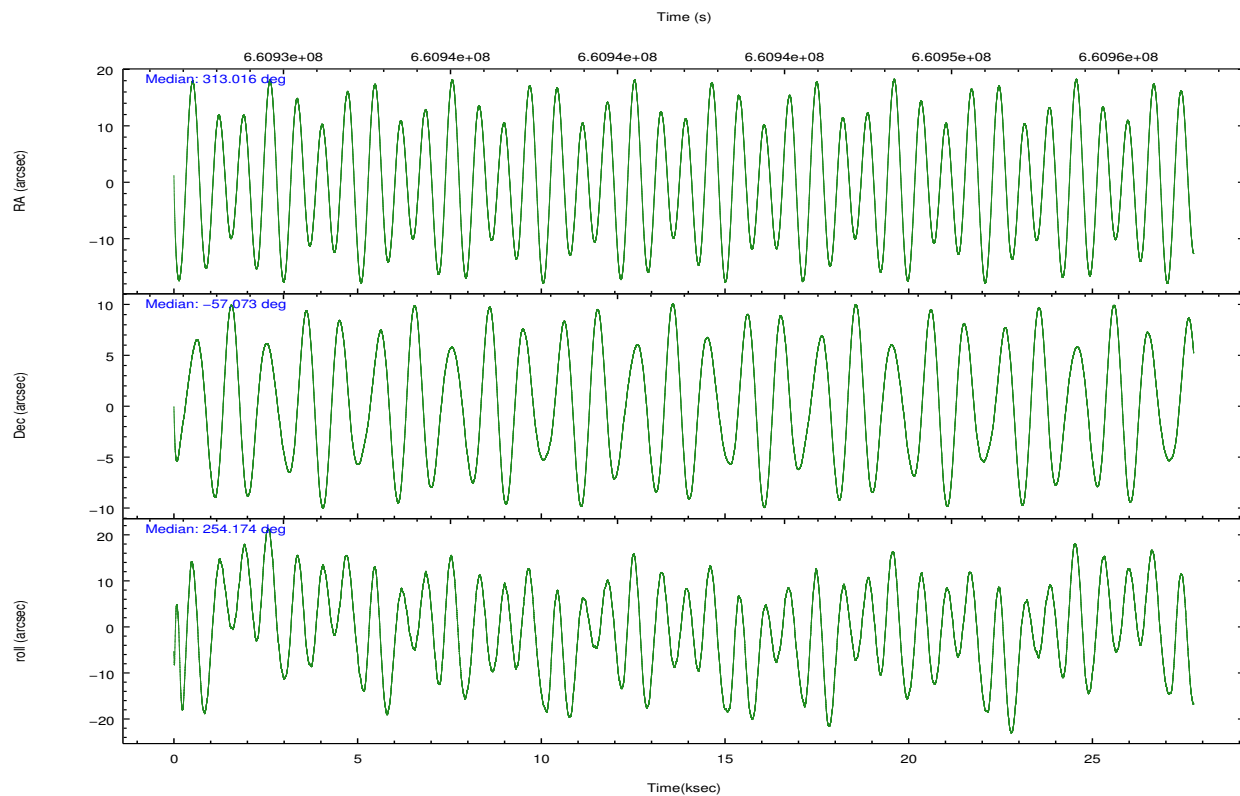
	ccd 7
grade 0 events	6784
	4%
grade 1 events	222
	0%
grade 2 events	14092
	10%
grade 3 events	6324
	4%
grade 4 events	6261
	4%
grade 5 events	14026
	10%
grade 6 events	32285
	23%
grade 7 events	57186
	41%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	313.002202	313.0151753204381	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	-57.046306	-57.07280451387729	Subarray start row	257	257
[deg] Pointing Roll	253.993809	254.1613092956342	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.5
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	660928291.184000	660926658.30712			
Observation start date	2018-12-11T15:10:22	2018-12-11T14:44:18			
[s] Observation end time (MET)	660955891.184000	660956944.49641			
Observation end date	2018-12-11T22:50:22	2018-12-11T23:09:04			
Read mode	TIMED	TIMED			

2.3 Aspect



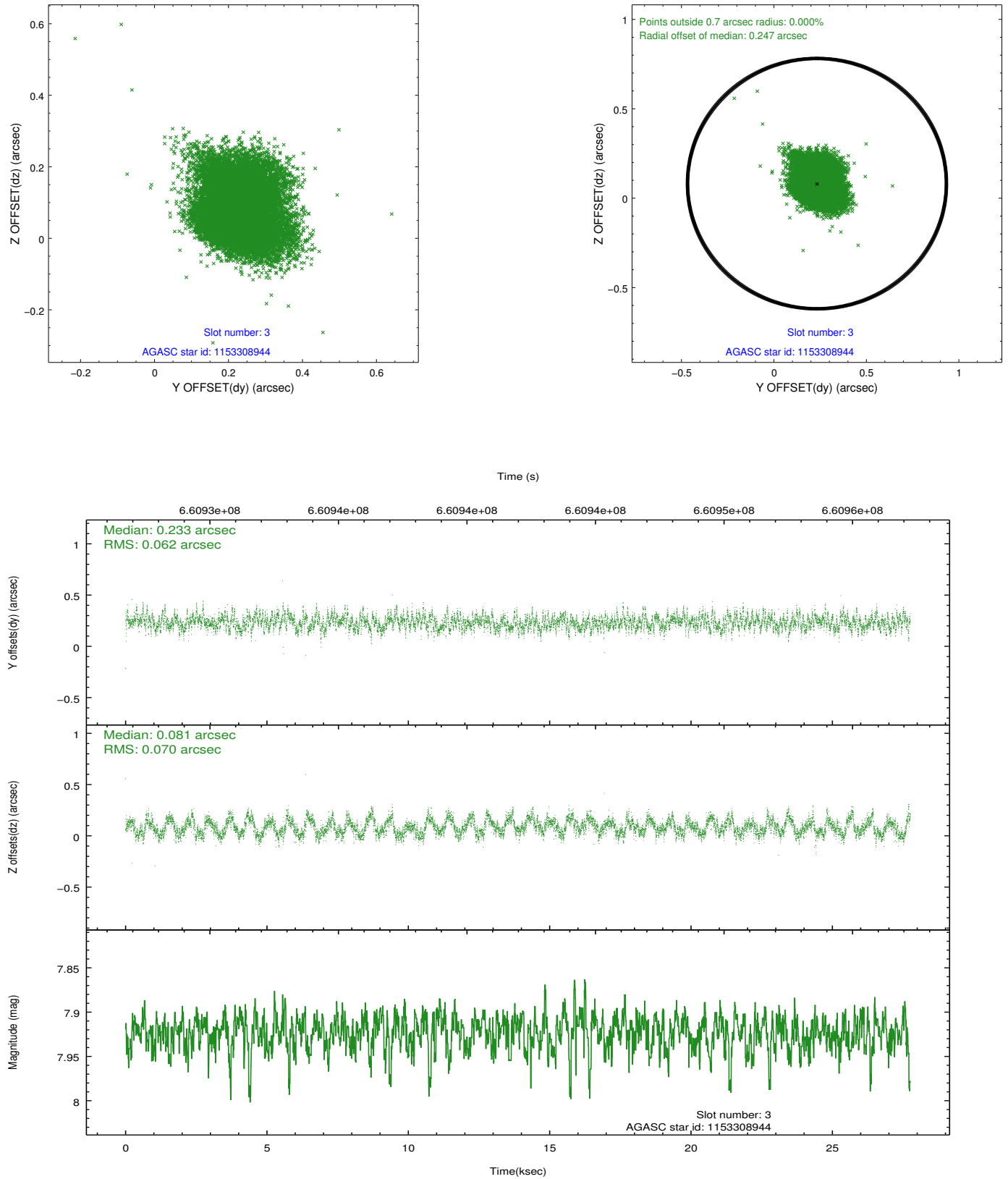


Slot Statistics

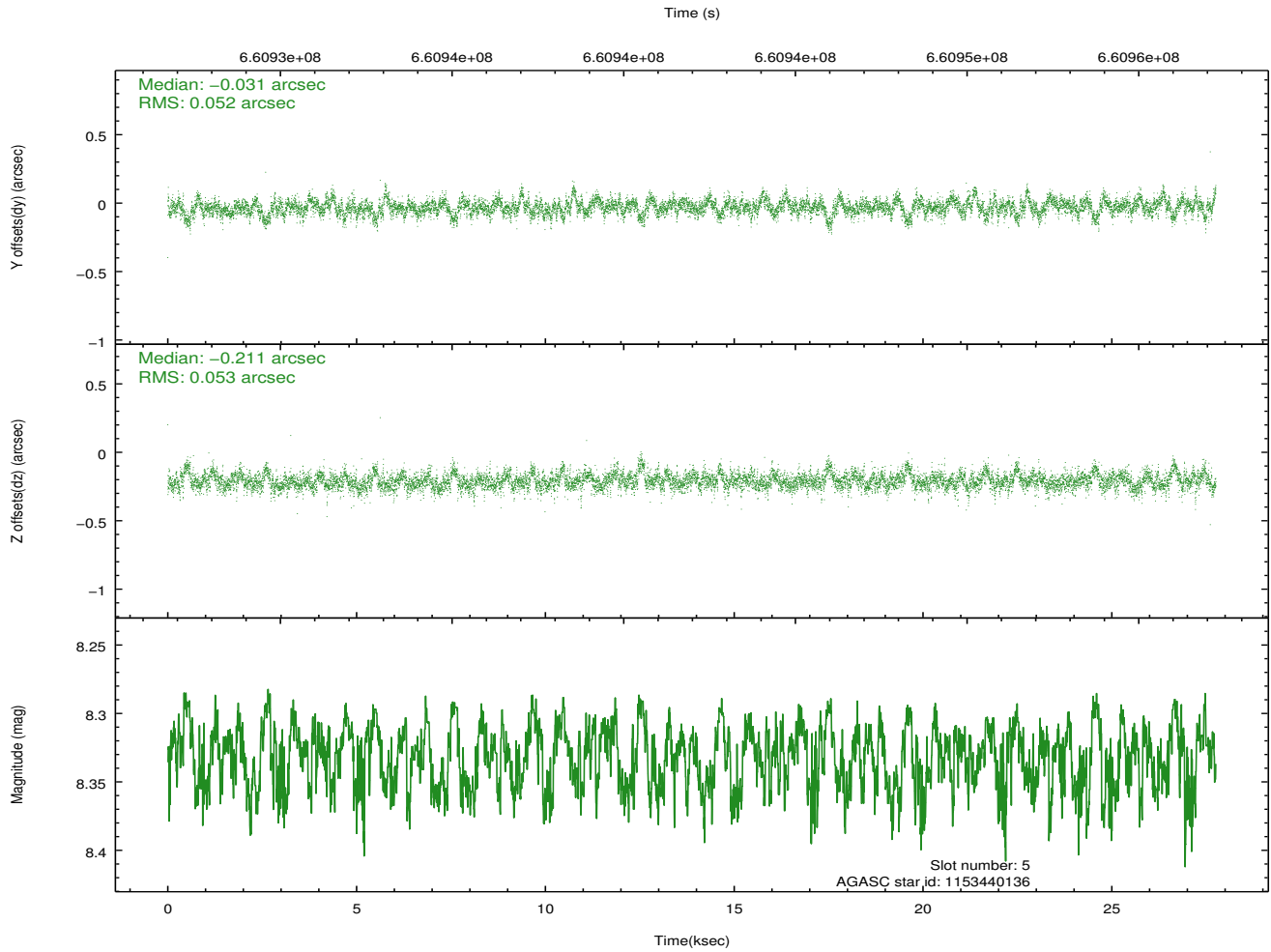
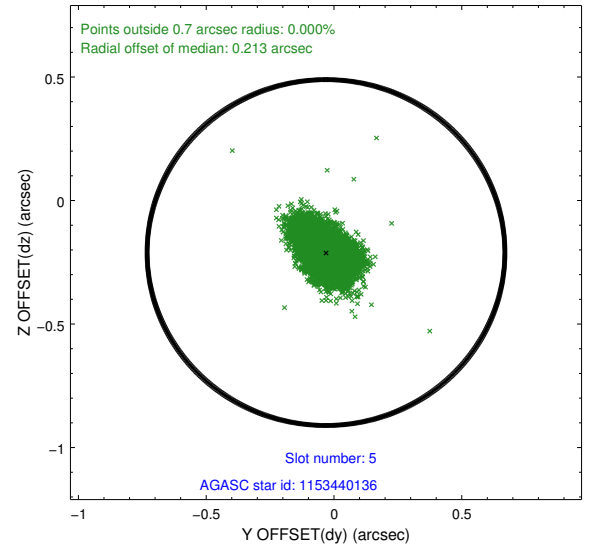
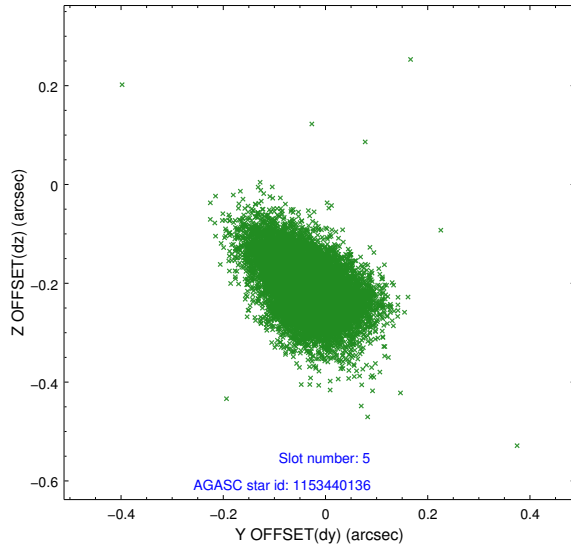
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	6.96	6770	1.000	-0.337	-0.211	0.009	0.015	0.000000	0.000000	-768.28	-1744
1	FID		ACIS-S-4	7.07	6769	1.000	0.748	0.219	0.007	0.011	0.000000	0.000000	2146.01	164
2	FID		ACIS-S-5	7.06	6769	1.000	-0.442	0.001	0.009	0.016	0.000000	0.000000	-1821.14	158
3	GUIDE	used	1153308944	7.92	13536	1.000	0.233	0.081	0.099	0.159	313.182696	-56.719599	-1228.03	17
4	OMITTED			0.00	0	0.000	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0
5	GUIDE	used	1153440136	8.33	13533	1.000	-0.031	-0.211	0.074	0.136	314.021553	-57.000444	-695.12	1878
6	GUIDE	used	1153442384	8.92	13532	1.000	-0.029	0.205	0.114	0.192	314.026470	-56.702902	-1731.48	1609
7	GUIDE	used	1153439192	8.23	13535	1.000	-0.171	-0.090	0.114	0.193	313.849459	-57.867725	2405.57	2377

2.4 Star Slots

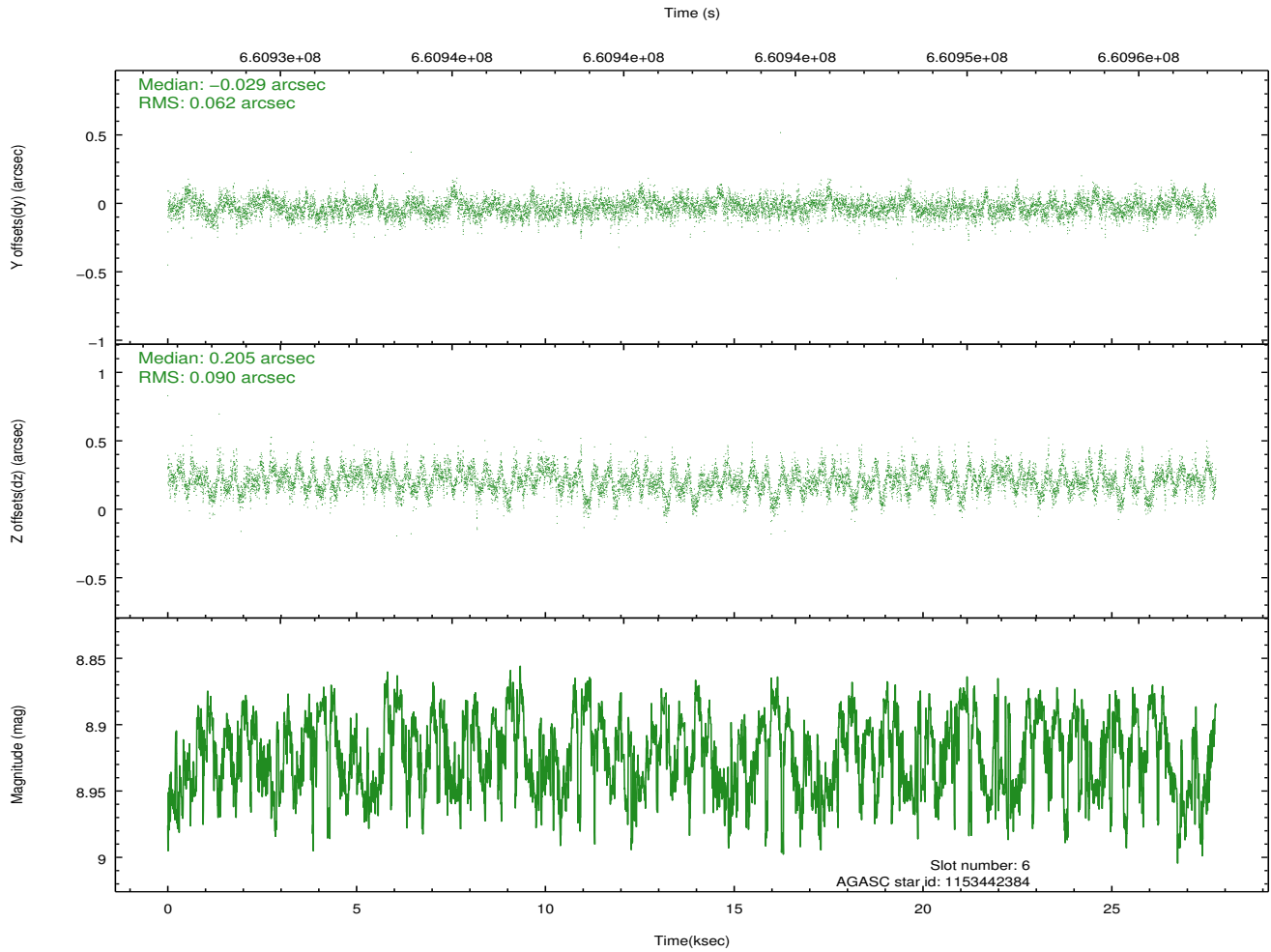
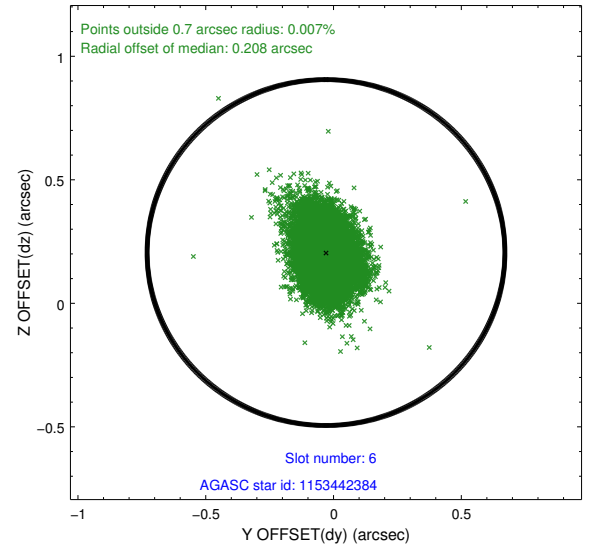
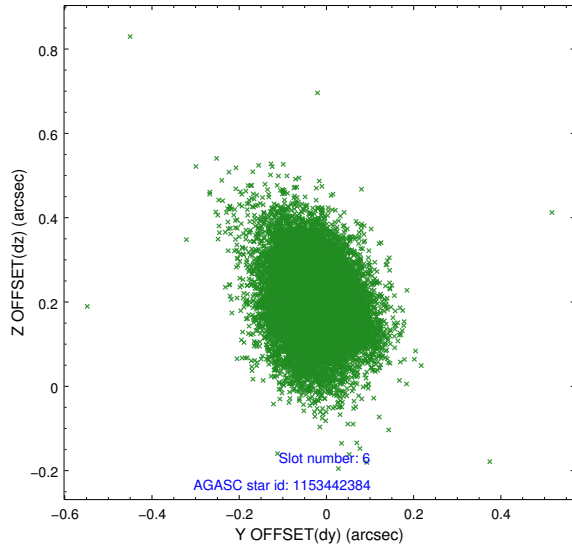
2.4.1 Slot 3



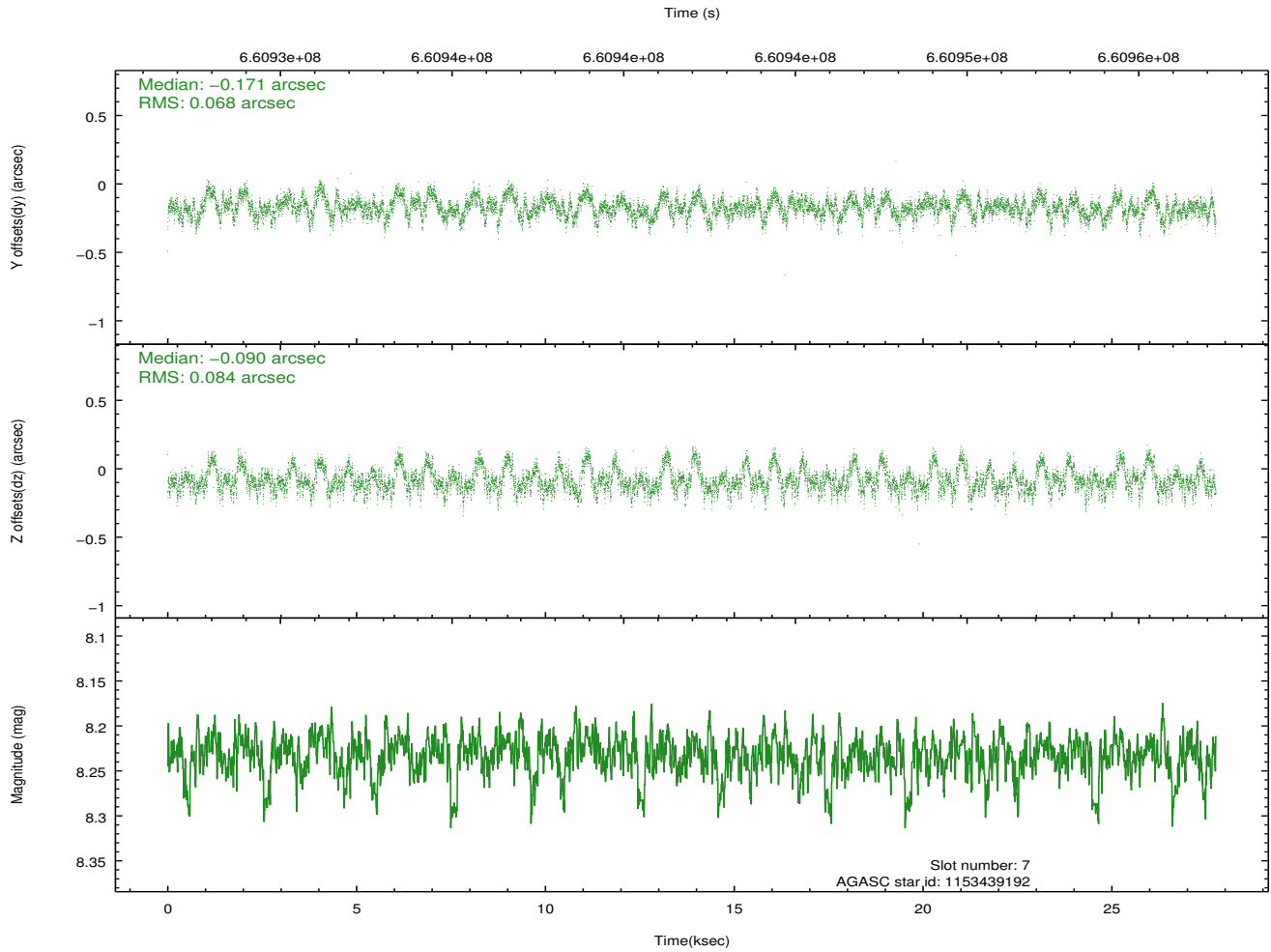
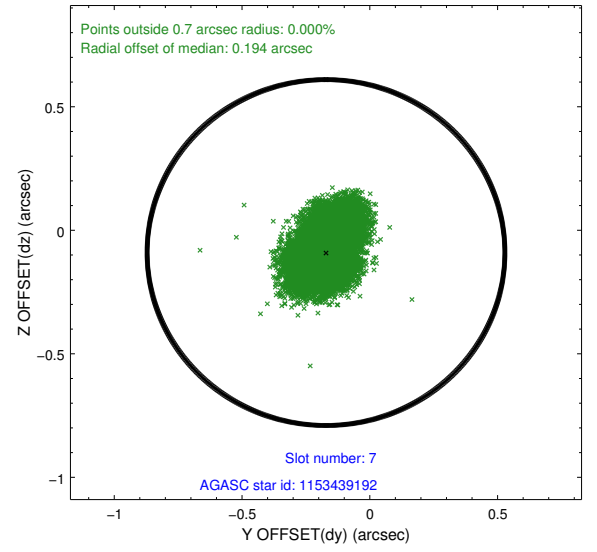
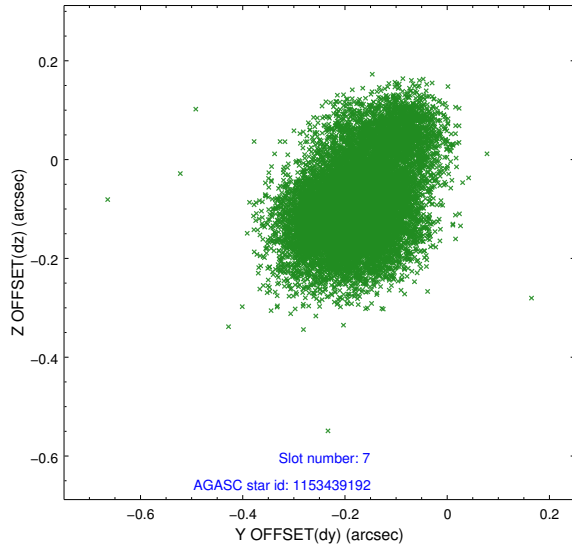
2.4.2 Slot 5



2.4.3 Slot 6

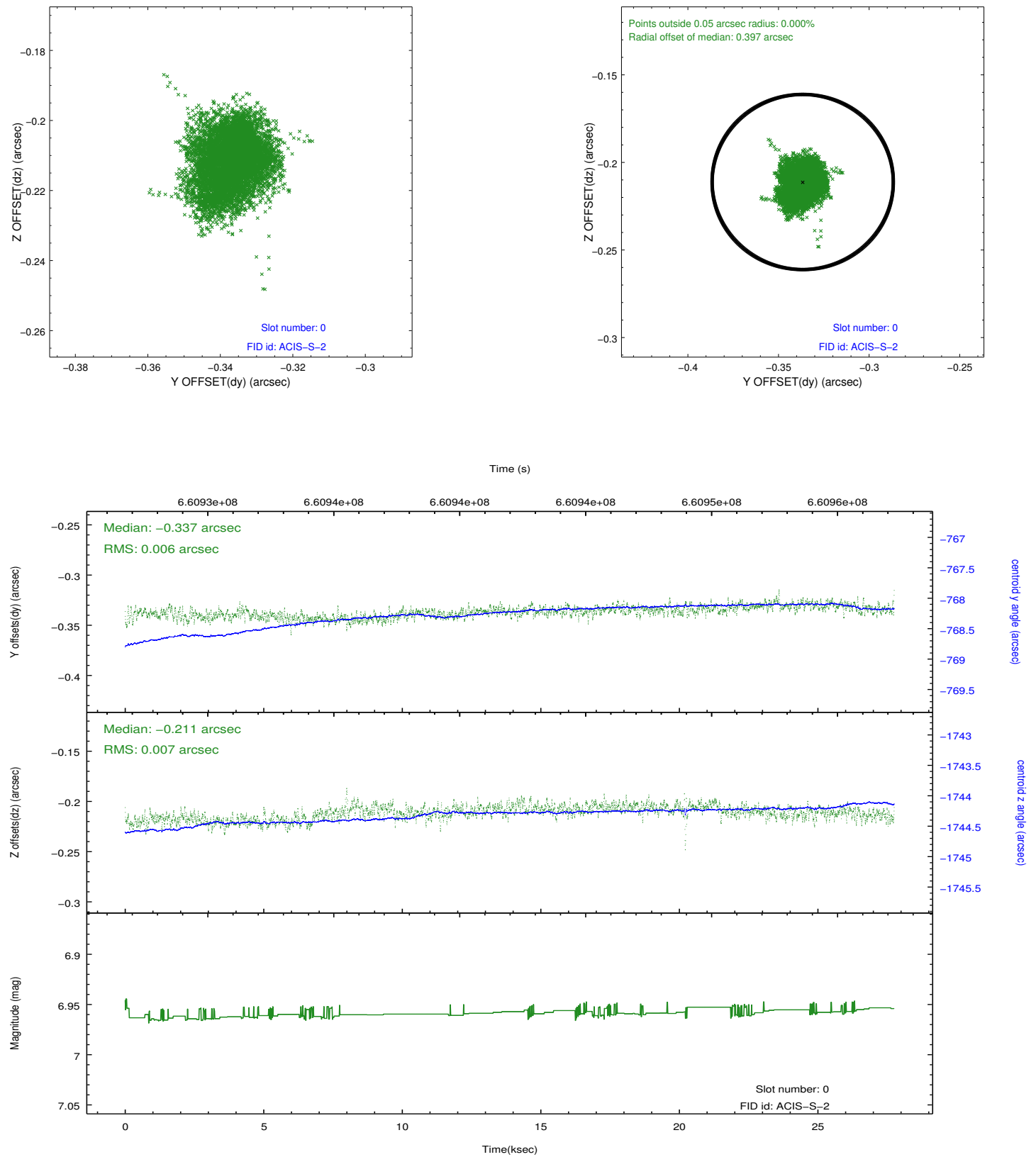


2.4.4 Slot 7

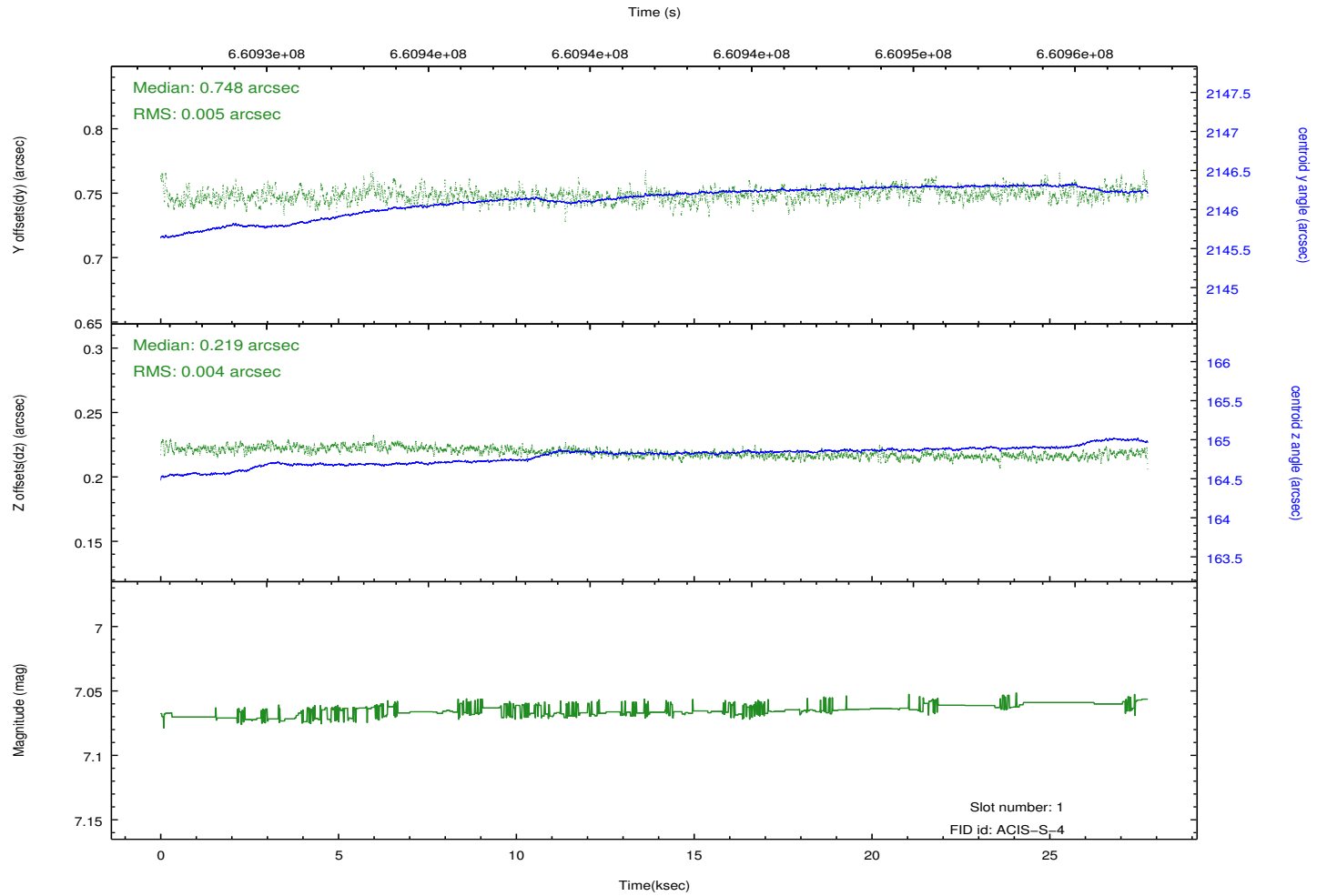
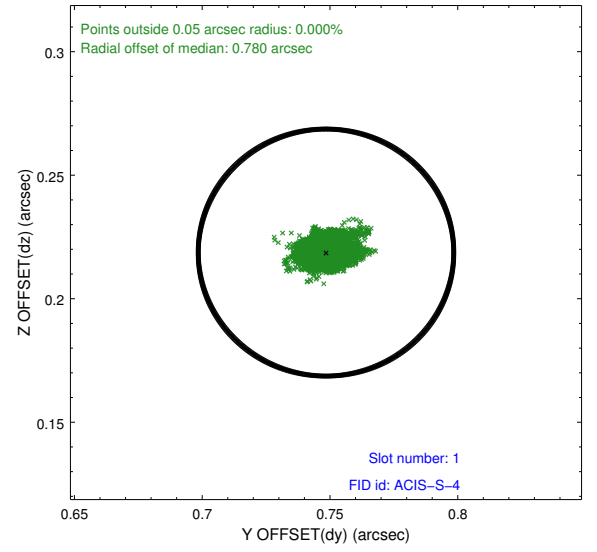
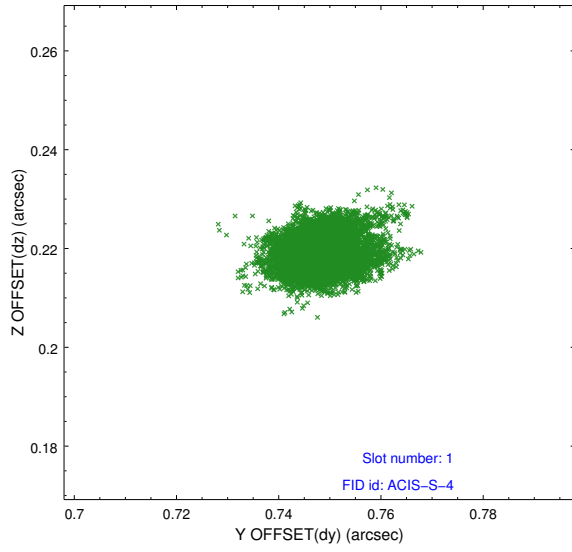


2.5 FID Slots

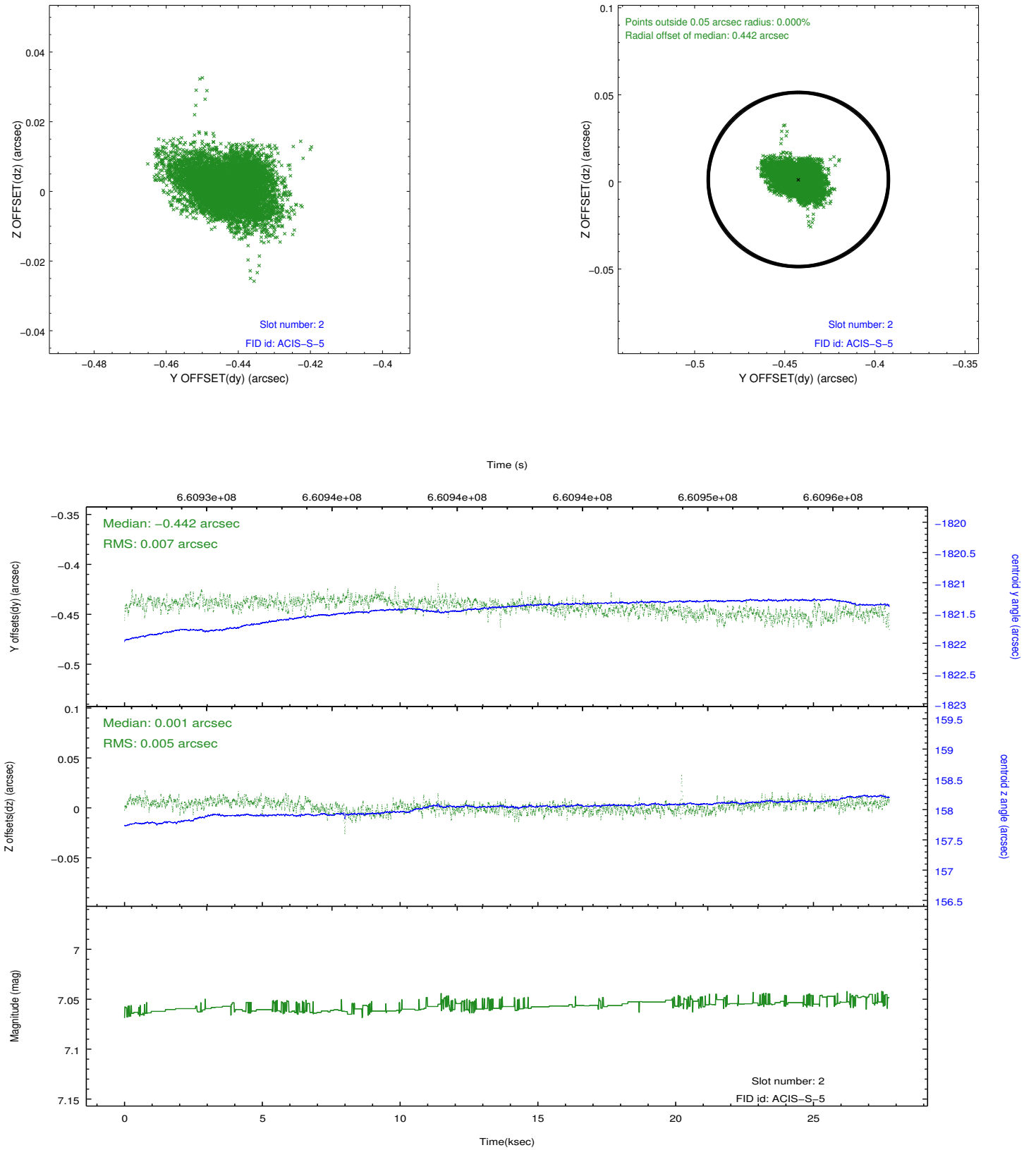
2.5.1 Slot 0



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)	2018.12.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.669

A.2 Comments

The guide star in slot 4 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.