

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 15874 - L2 Version 1
Chandra X-Ray Center

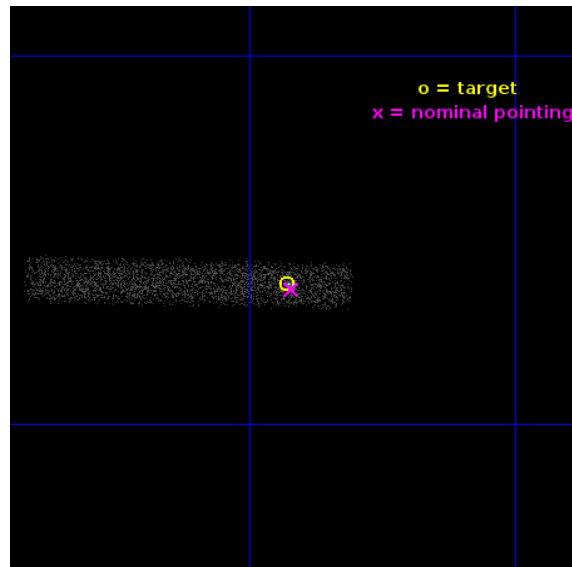
L2 Processing Date : Jul 16 2014

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1 Front

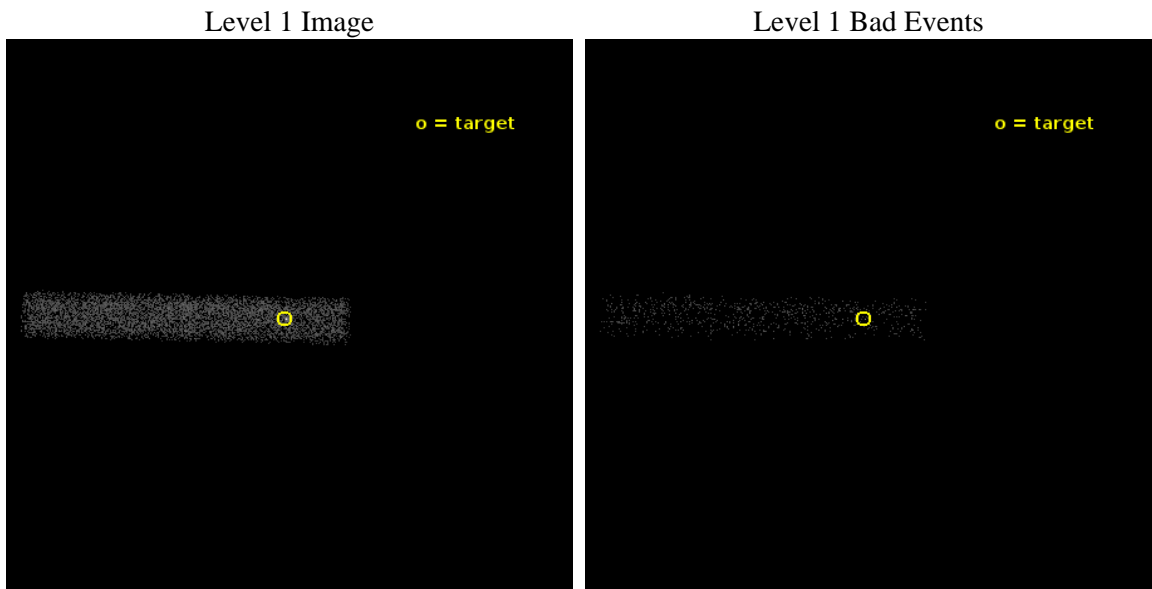
seq_num	502107	Sequence number
obs_id	15874	Observation id
title	PROMPT STUDY OF MAGNETAR OUTBURSTS WITH CHANDRA	Proposal title
observer	Dr. Nanda Rea	Principal investigator
object	SGR 1935+2154	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	293.732	Observer's specified target RA [deg]
dec_targ	21.896722	Observer's specified target Dec [deg]
ra_nom	293.73017909022	Nominal RA [deg]
dec_nom	21.894082416685	Nominal Dec [deg]
roll_nom	181.34399478859	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10069.599399805	Sum of GTIs [s]
livetime	9132.5951385862	Livetime [s]
ontime7	10069.599399805	Sum of GTIs [s]
l2events	5062	Number of level 2 events



2 OBI

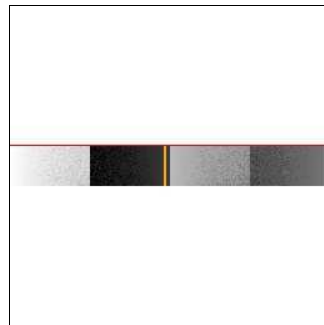
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.253000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	10069.599399805	Sum of GTIs [s]
caldbver	4.6.2	 	ontime7	10069.599399805	Sum of GTIs [s]
date	2014-07-16T12:31:37	Date and time of file creation	l1events	9681	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

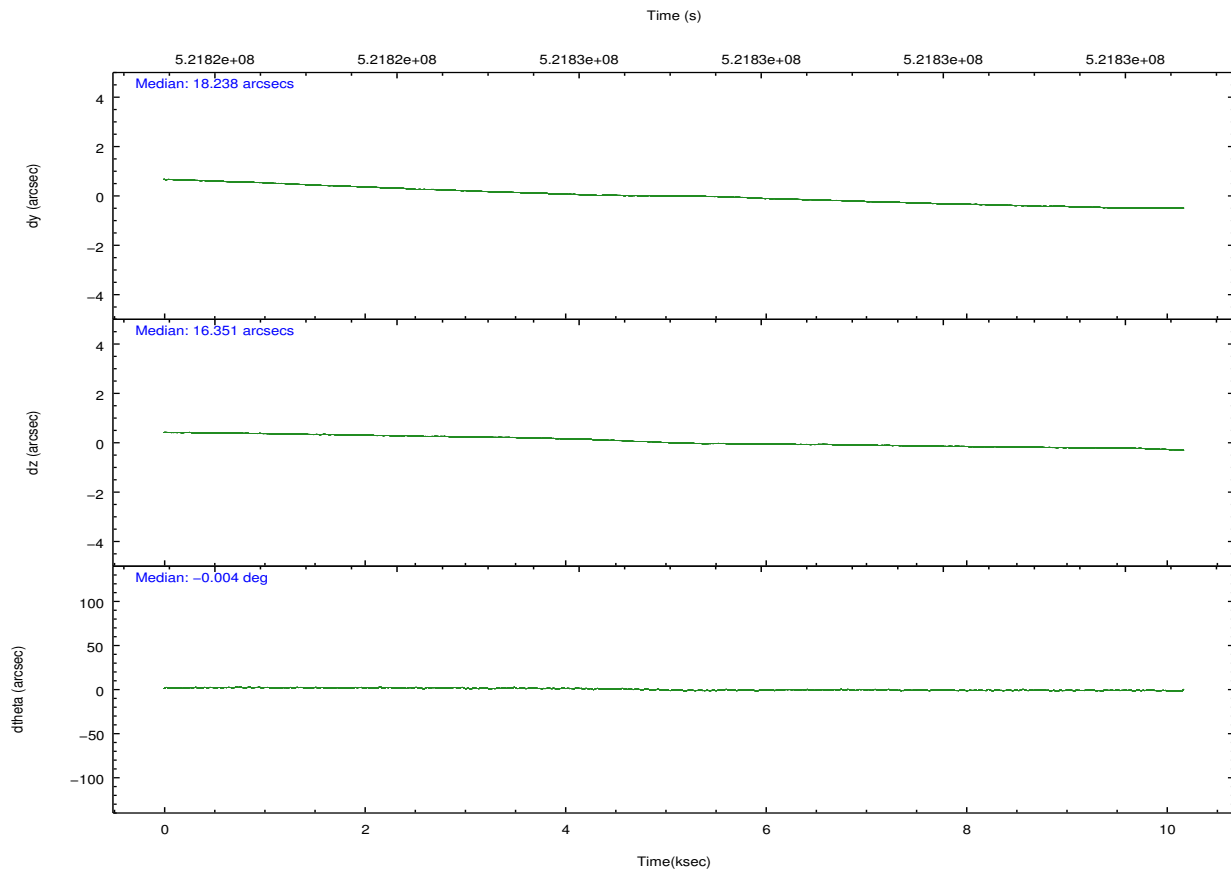
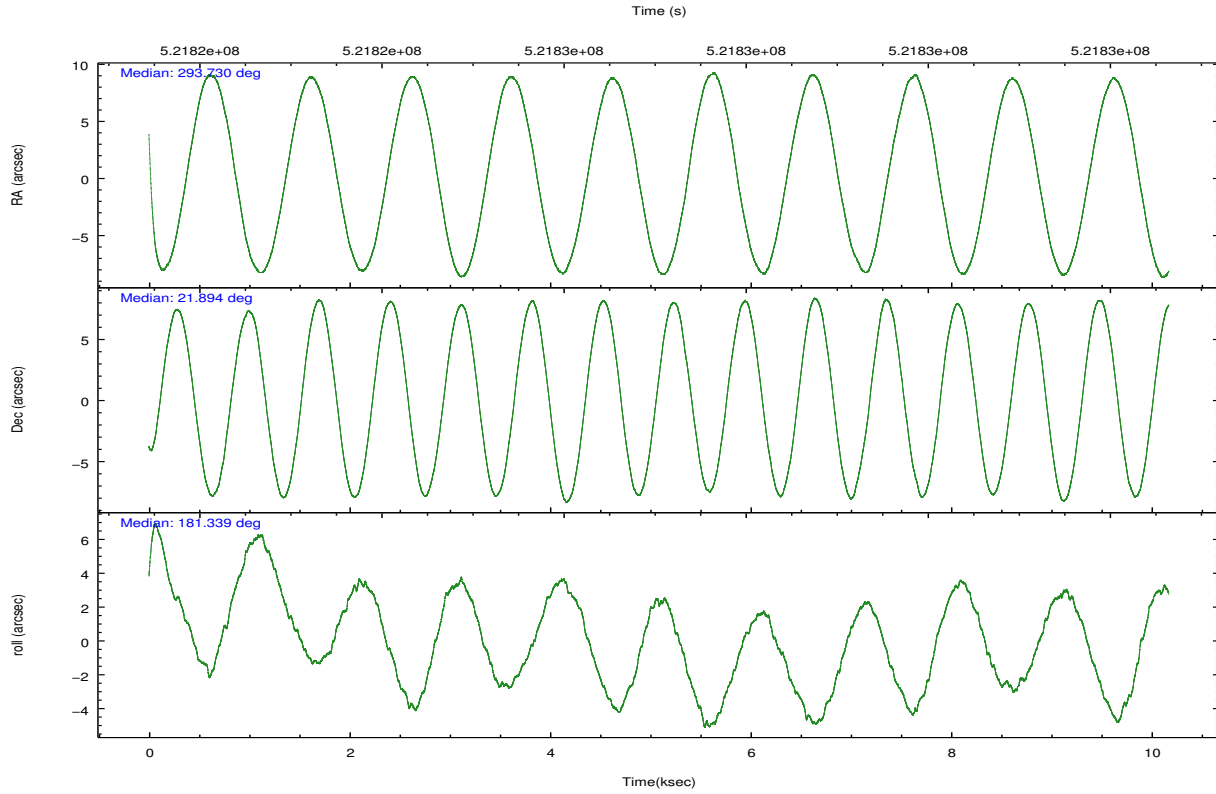
	ccd 7
level 1 events	9681
rejected events	4429
rejected %	45%

	ccd 7
grade 0 events	657
	6%
grade 1 events	15
	0%
grade 2 events	1131
	11%
grade 3 events	637
	6%
grade 4 events	658
	6%
grade 5 events	873
	9%
grade 6 events	2169
	22%
grade 7 events	3541
	36%

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	293.755273	293.7301790902153	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	21.908666	21.89408241668529	Subarray start row	449	449
[deg] Pointing Roll	181.177998	181.3439947885913	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	521822115.184000	521820844.48858			
Observation start date	2014-07-15T14:34:08	2014-07-15T14:14:04			
[s] Observation end time (MET)	521832115.184000	521832341.40172			
Observation end date	2014-07-15T17:20:48	2014-07-15T17:25:41			
Read mode	TIMED	TIMED			

2.3 Aspect



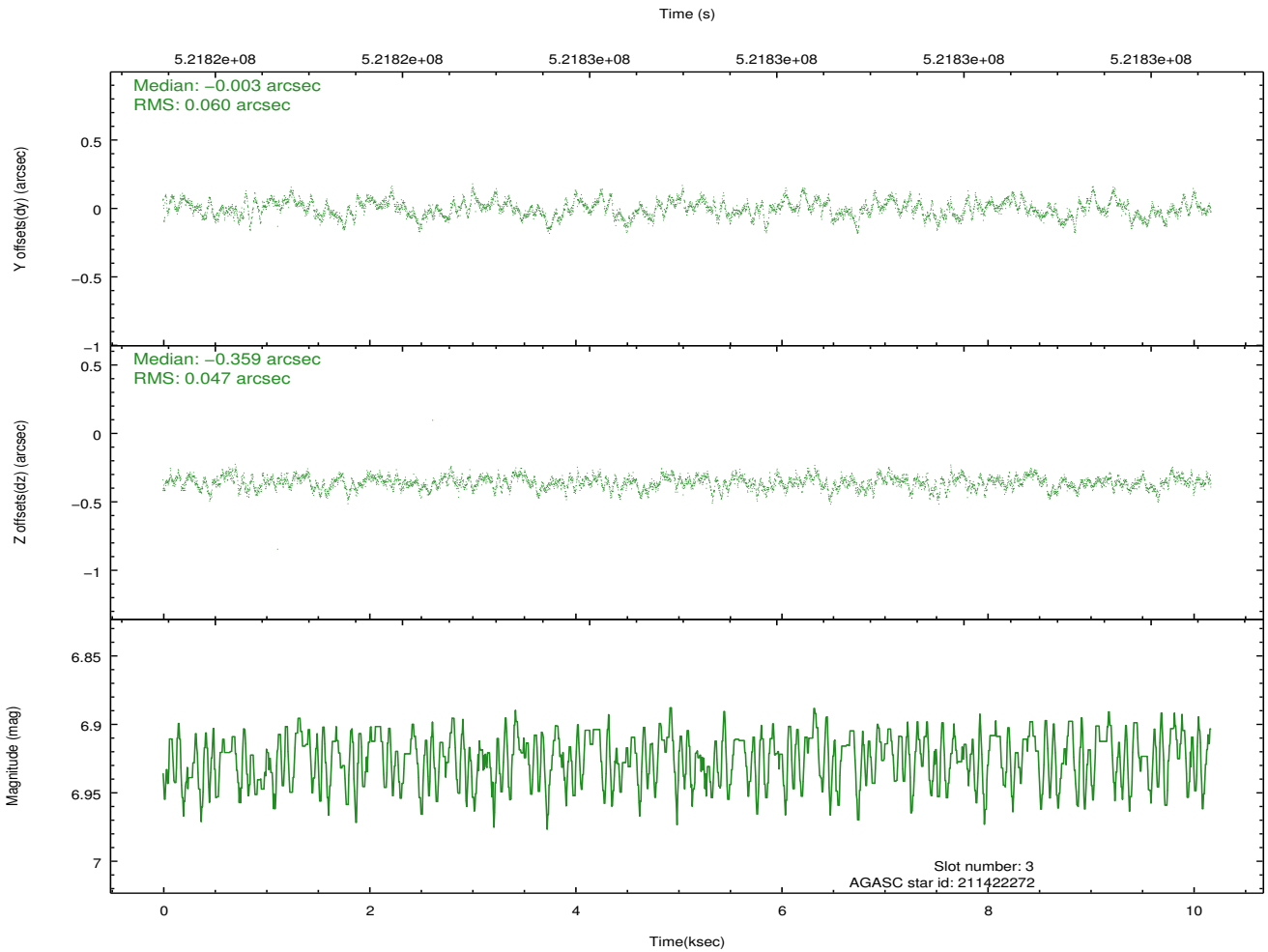
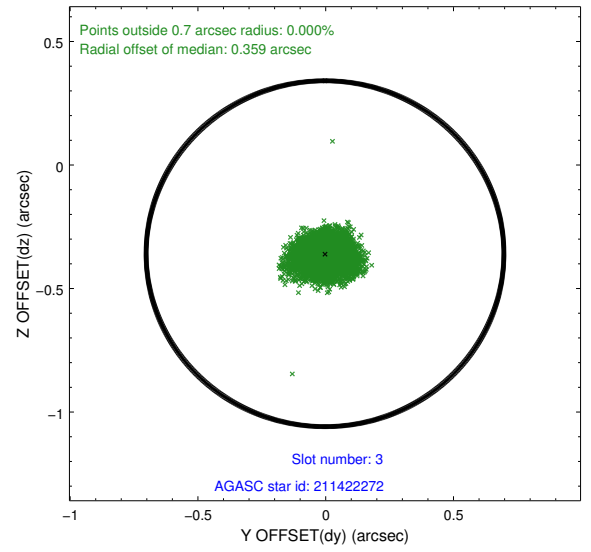
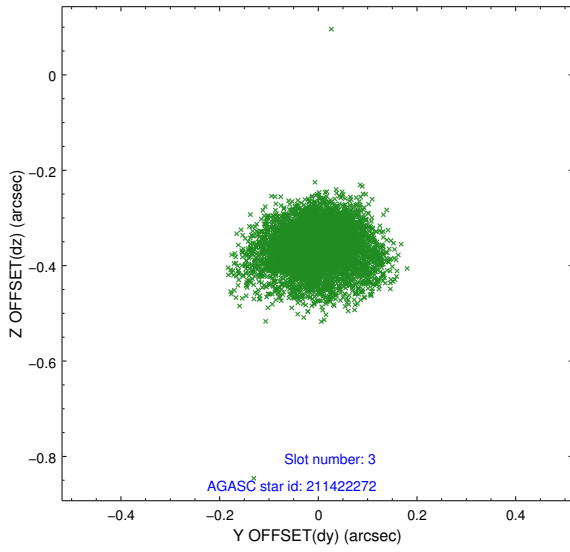
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.00	2480	-0.114	-0.014	0.014	0.023	0.000000	0.000000	-771.42	-1737.84
1	FID	ACIS-S-4	7.07	2481	0.286	0.059	0.016	0.026	0.000000	0.000000	2142.02	170.16
2	FID	ACIS-S-5	7.10	2482	-0.205	-0.035	0.016	0.024	0.000000	0.000000	-1823.68	164.35
3	GUIDE	211422272	6.92	4963	-0.003	-0.359	0.080	0.131	293.356474	21.840331	1337.81	219.75
4	GUIDE	211550896	7.29	4962	-0.174	0.269	0.076	0.130	294.277529	22.005948	-1749.81	-316.94
5	GUIDE	211424576	7.58	4963	-0.291	-0.303	0.070	0.110	293.235837	21.456301	1772.77	1589.49
6	GUIDE	280236952	8.22	4962	0.257	0.120	0.103	0.180	293.105879	22.558369	2111.64	-2386.49
7	GUIDE	280249608	6.84	4962	0.206	0.273	0.091	0.145	294.034800	22.585765	-978.17	-2418.92

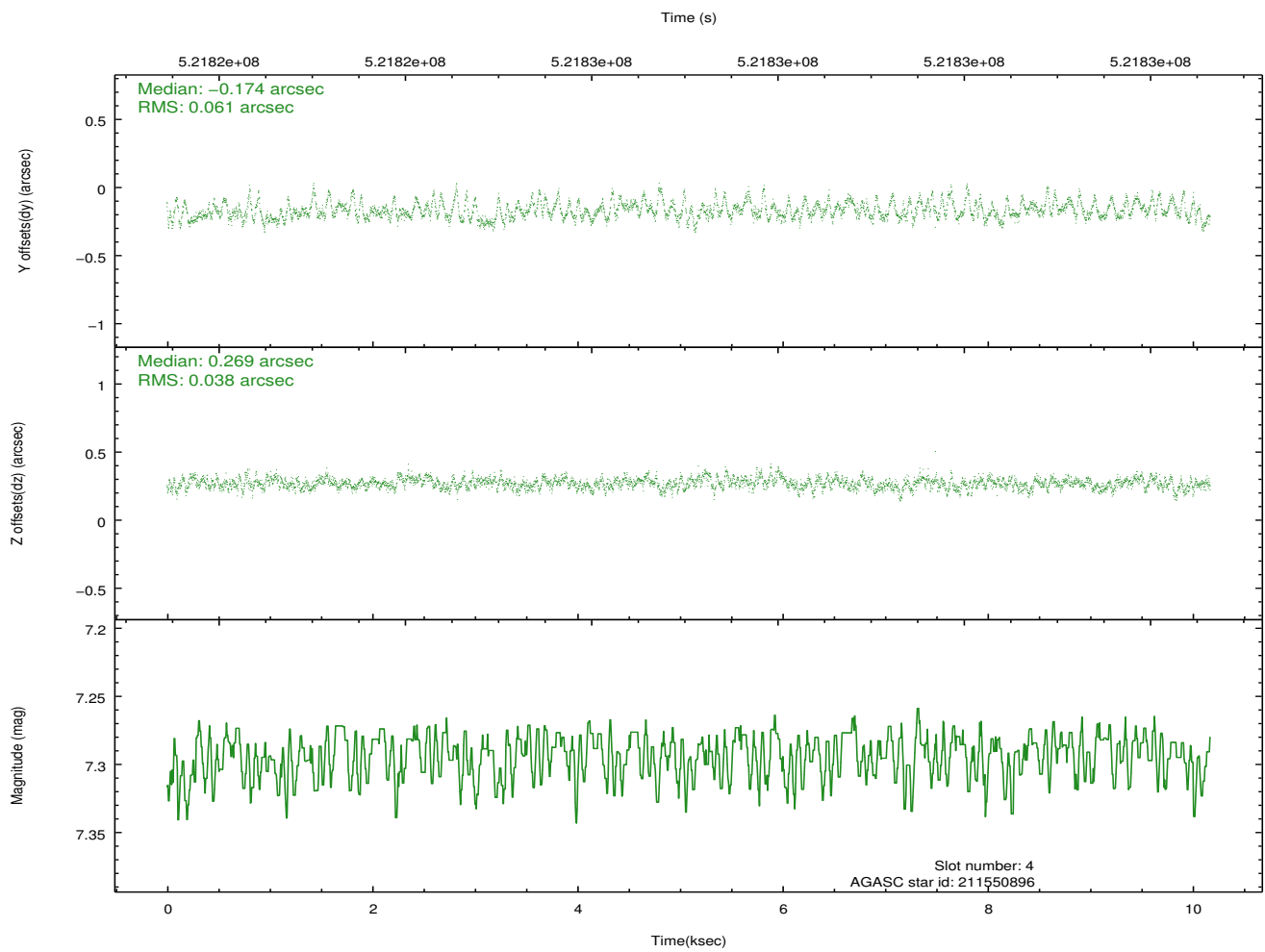
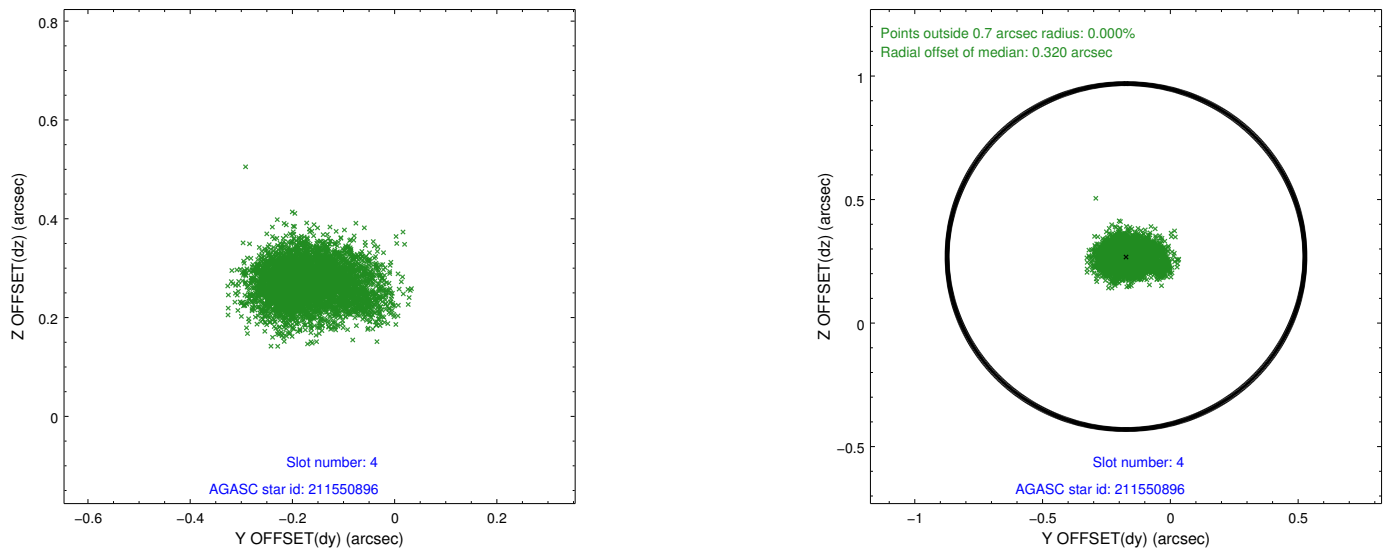
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2.4 Star Slots

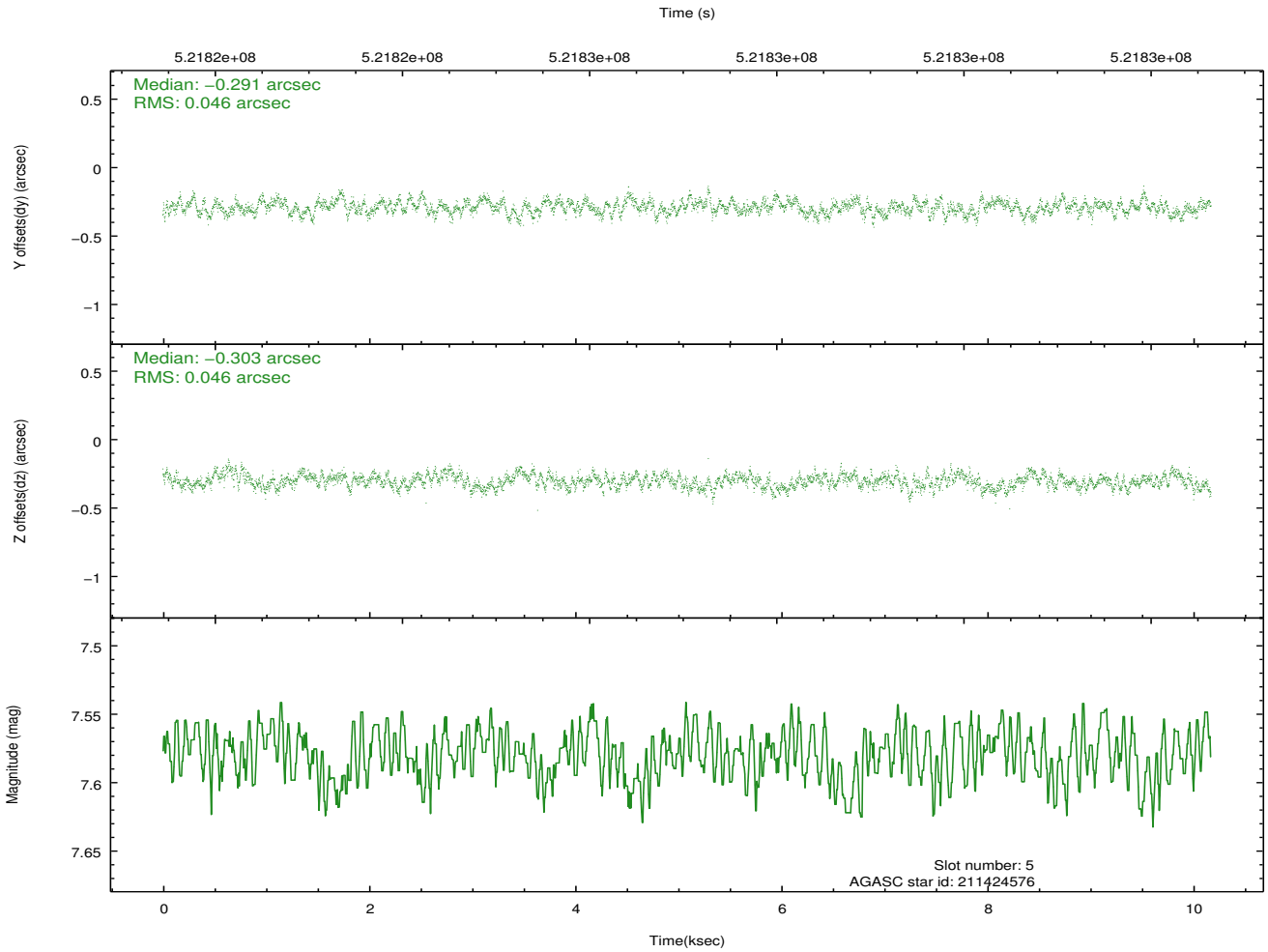
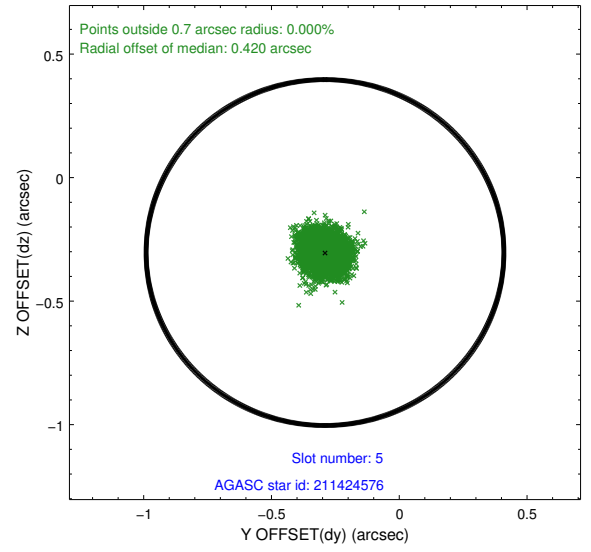
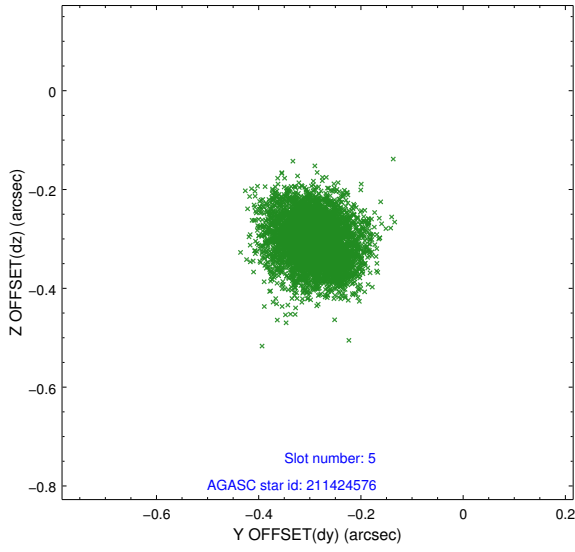
2.4.1 Slot 3



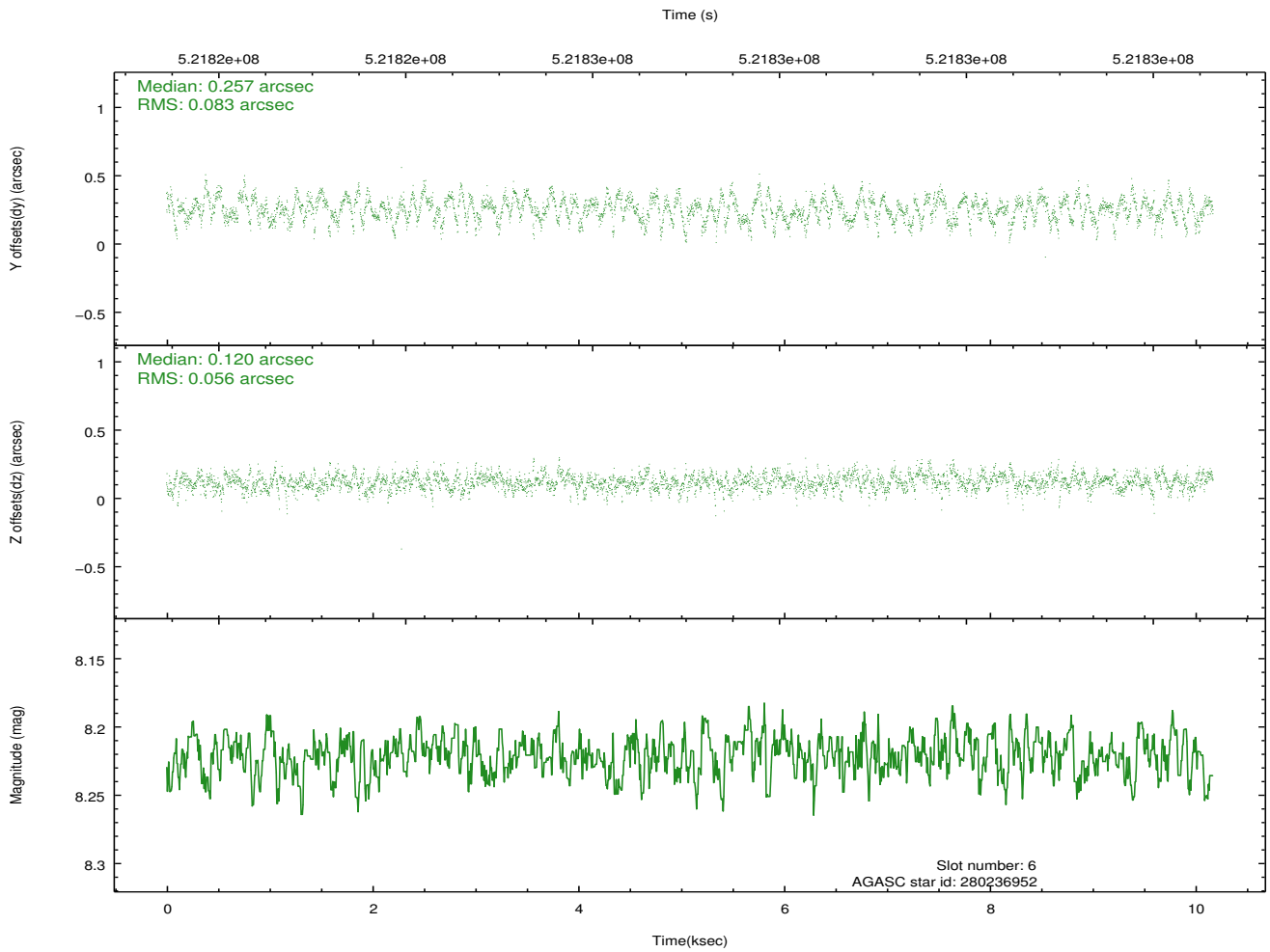
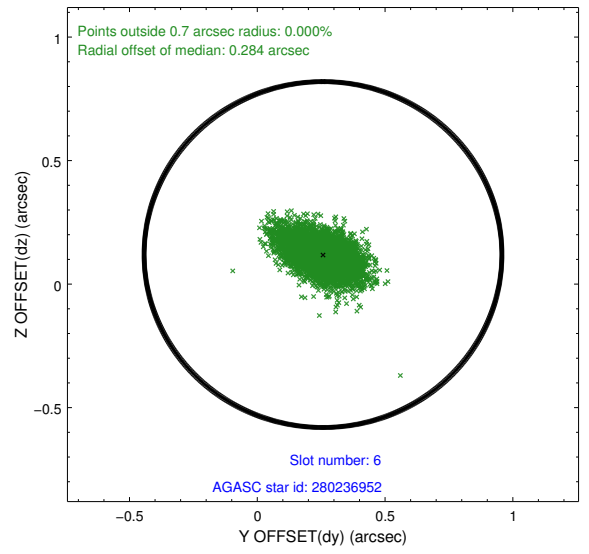
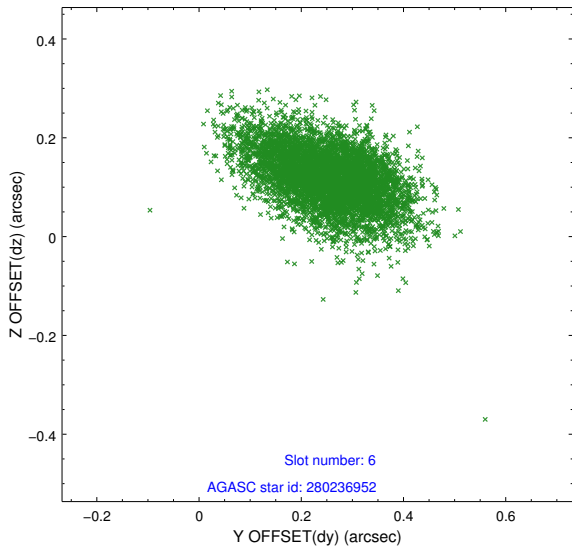
2.4.2 Slot 4



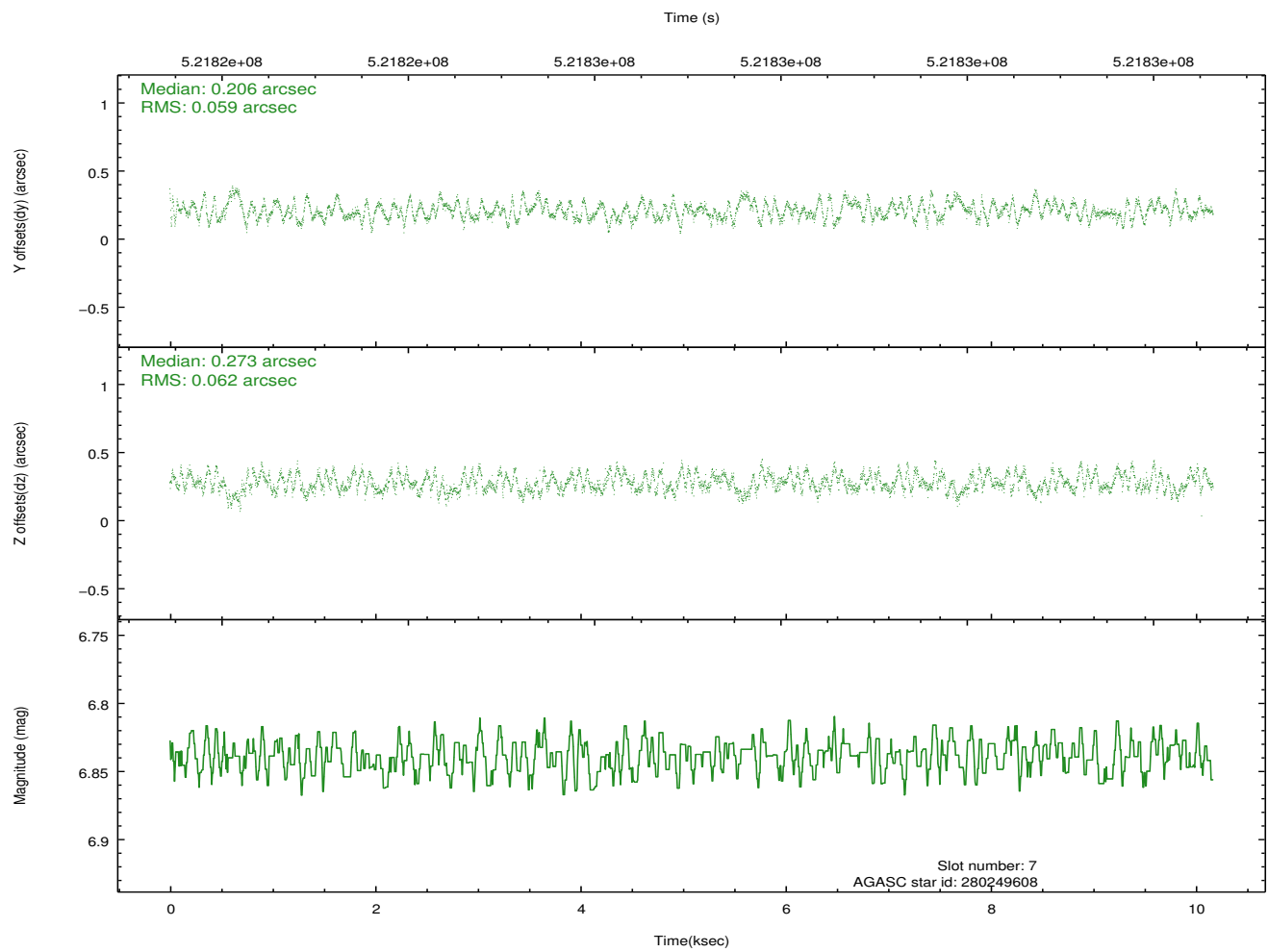
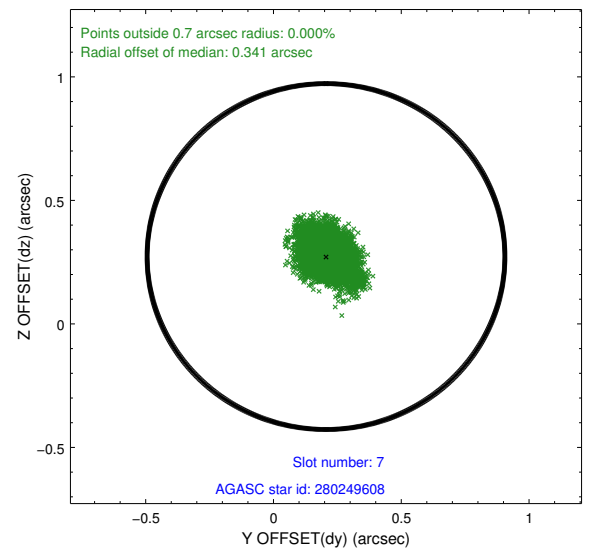
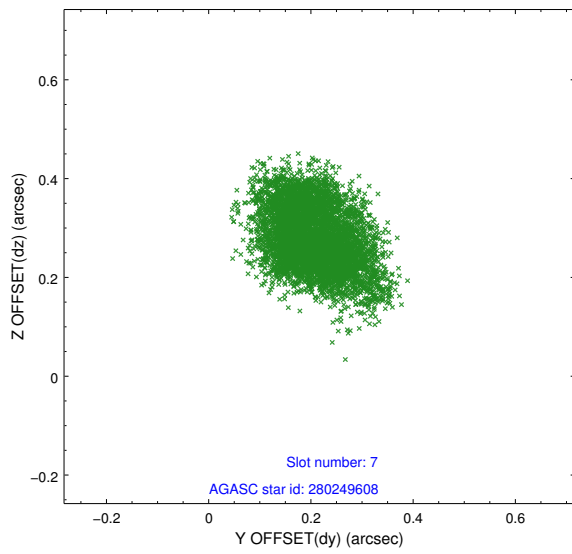
2.4.3 Slot 5



2.4.4 Slot 6

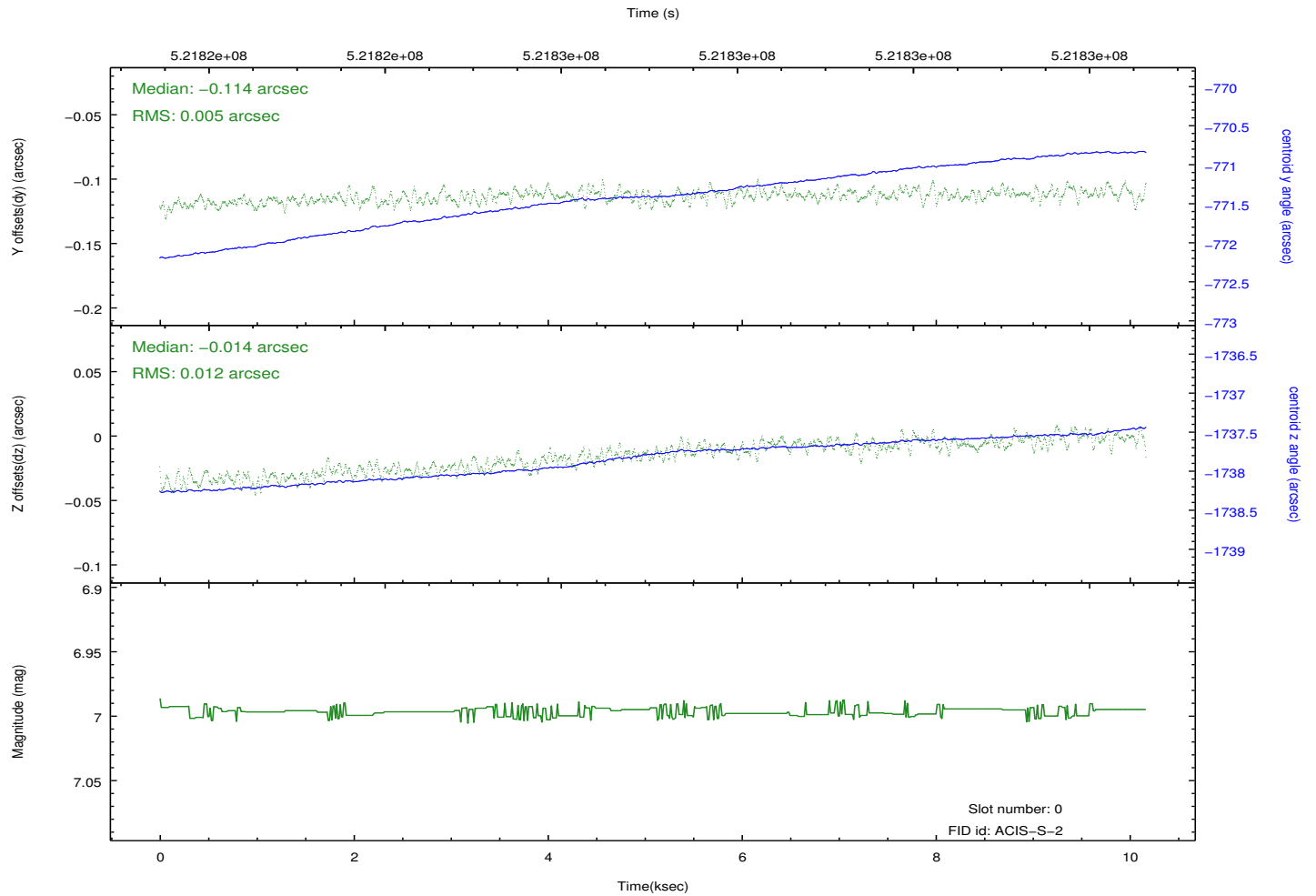
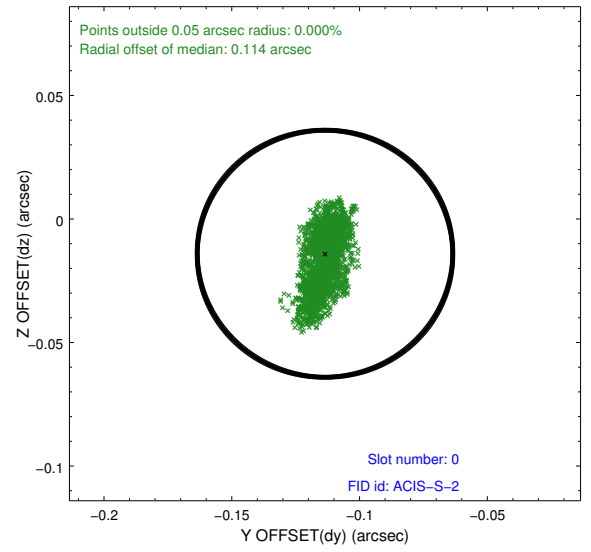
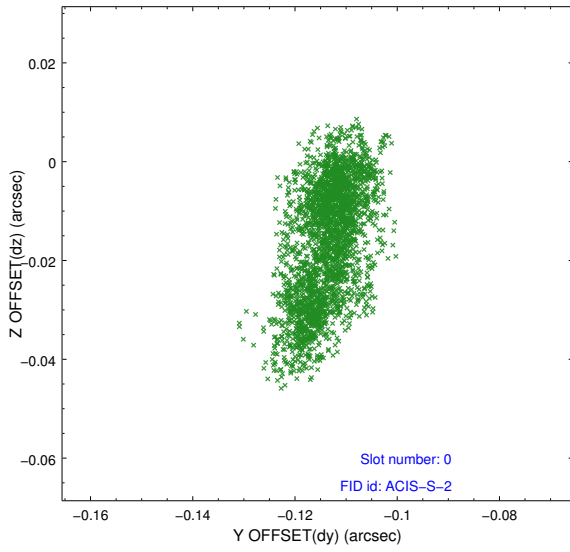


2.4.5 Slot 7

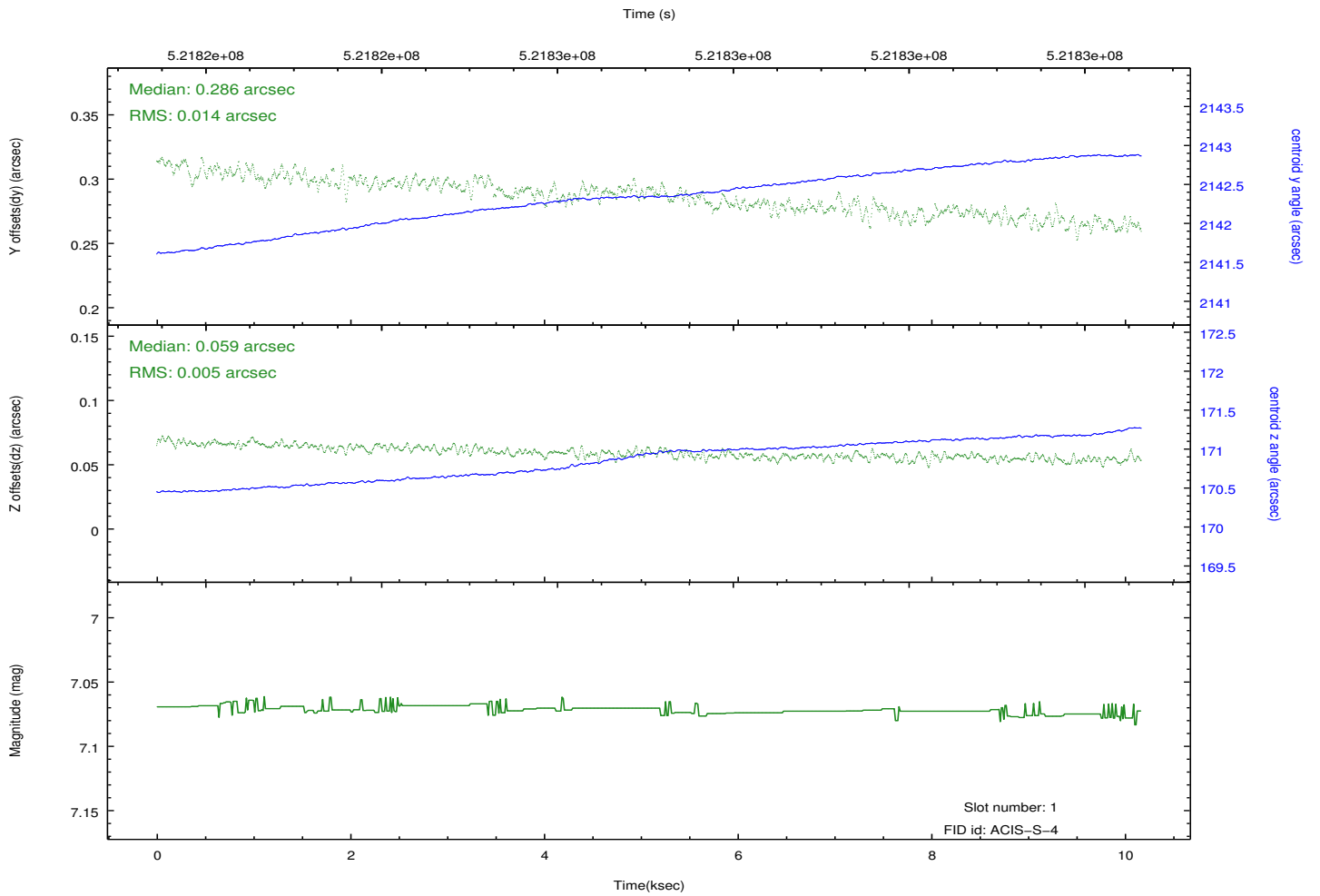
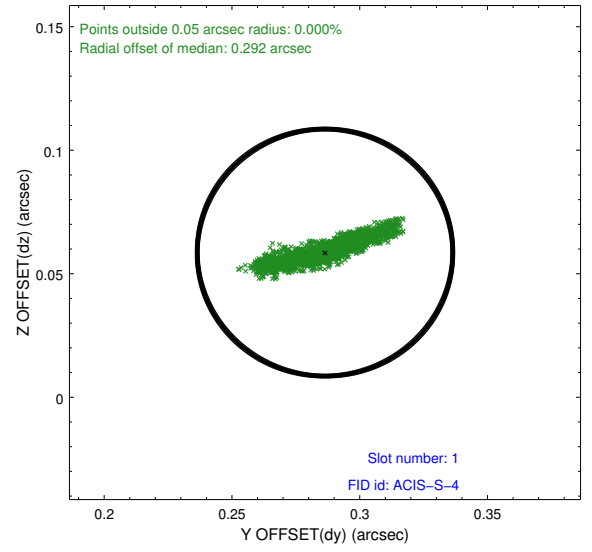
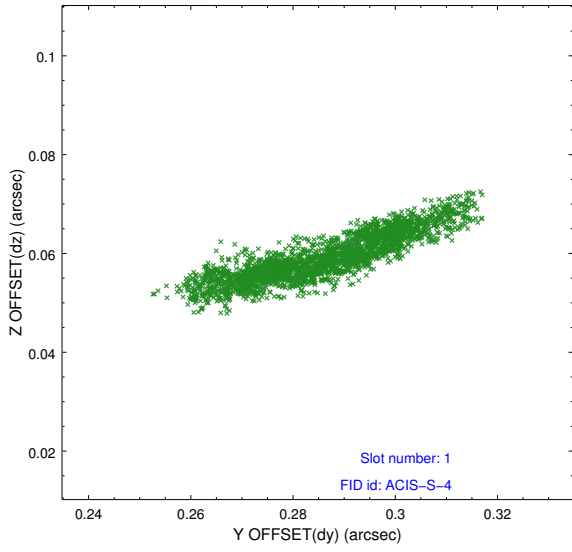


2.5 FID Slots

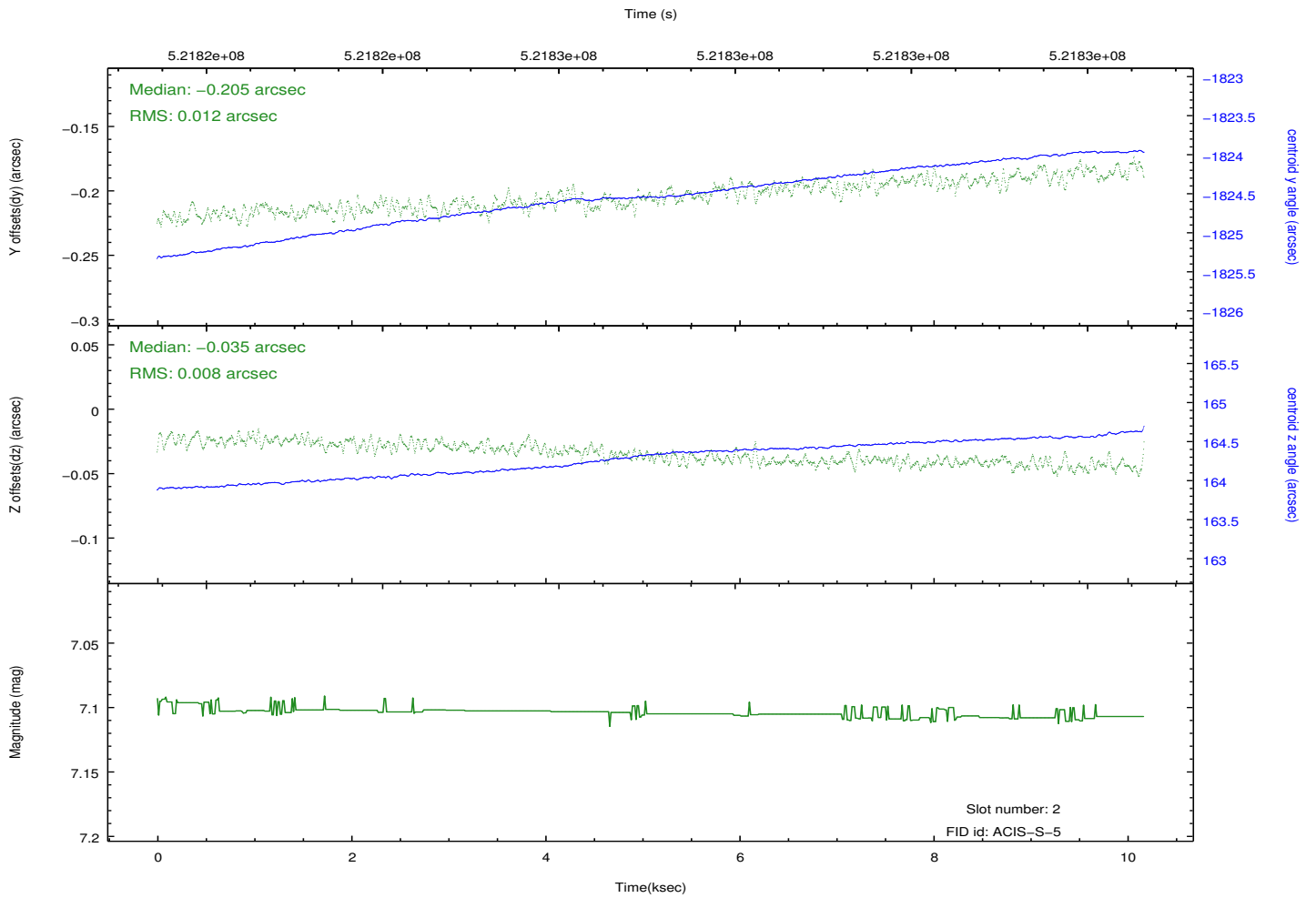
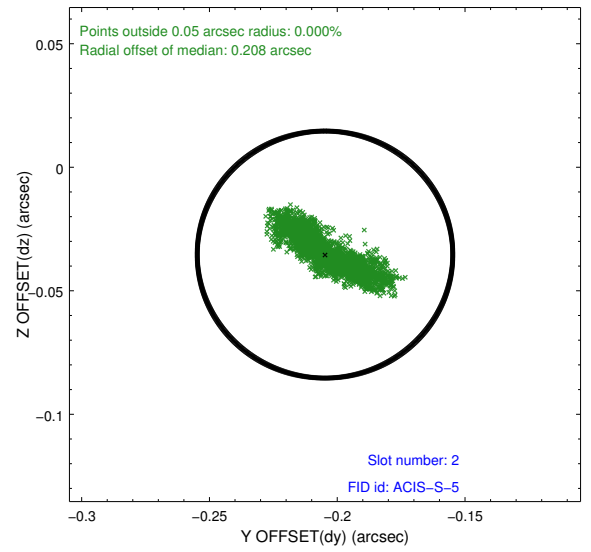
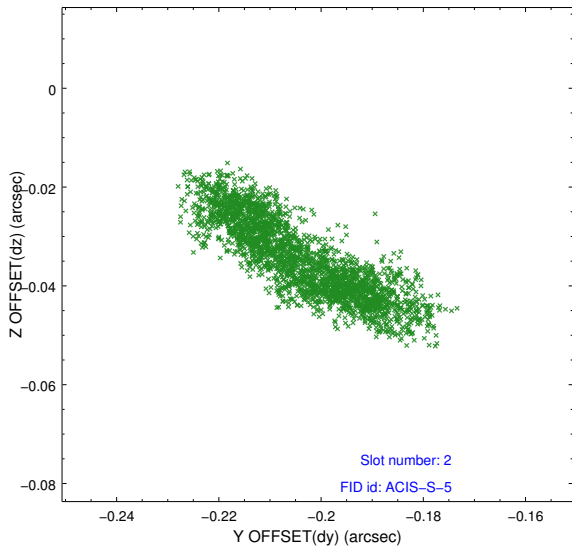
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.069599399805

A.2 Comments