

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 18884 - L2 Version 1
Chandra X-Ray Center

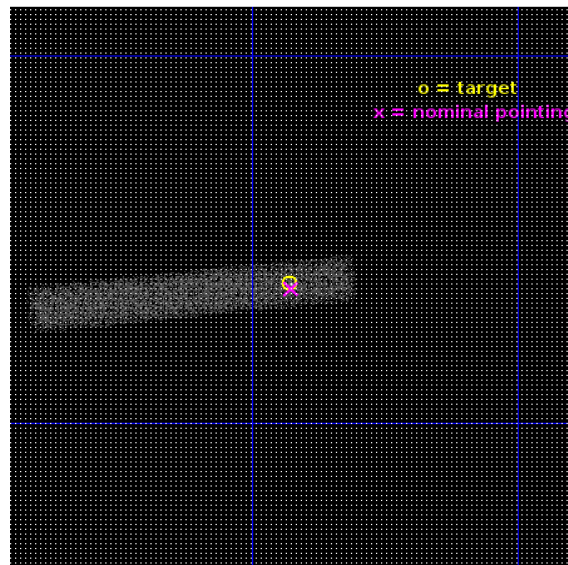
L2 Processing Date : Jul 7 2016

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1 Front

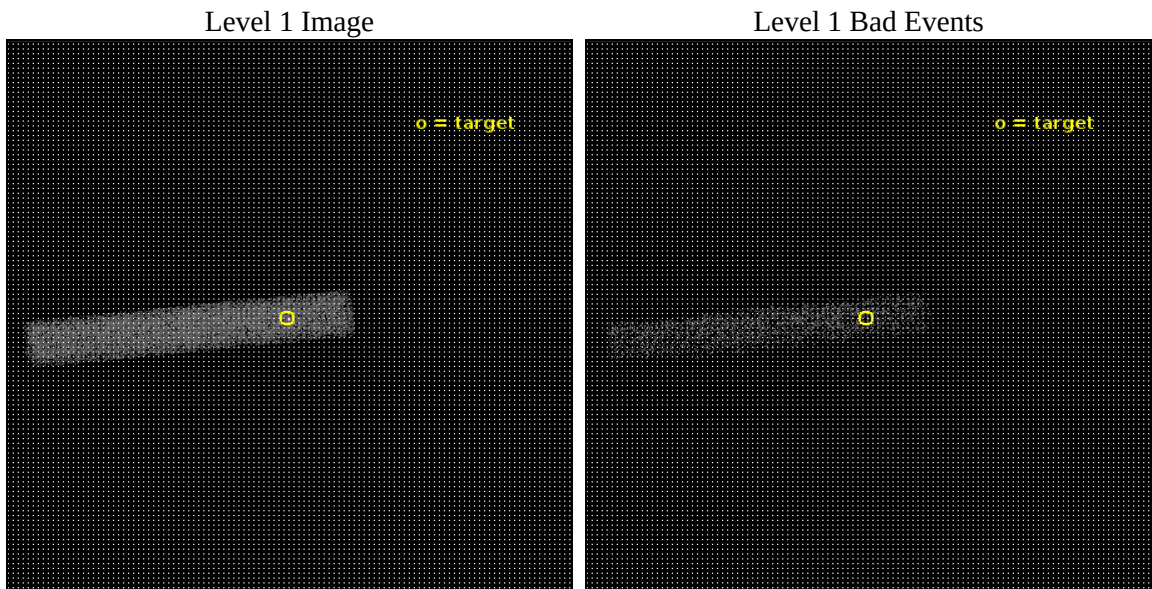
seq_num	502667	Sequence number
obs_id	18884	Observation id
title	SGR 1935+2154 in a very active state	Proposal title
observer	Chryssa Kouveliotou	Principal investigator
object	SGR 1935+2154	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	293.732083	Observer's specified target RA [deg]
dec_targ	21.896722	Observer's specified target Dec [deg]
ra_nom	293.73146879393	Nominal RA [deg]
dec_nom	21.894304146547	Nominal Dec [deg]
roll_nom	174.15686044131	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20069.598803639	Sum of GTIs [s]
livetime	18202.066754616	Livetime [s]
ontime7	20069.598803639	Sum of GTIs [s]
l2events	13327	Number of level 2 events



2 OBI

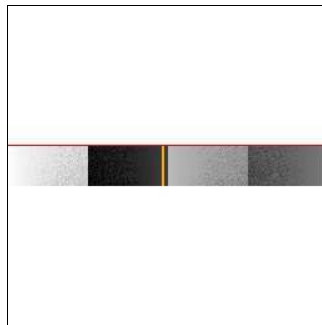
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.5	Processing system revision	ontime	20069.598803639	Sum of GTIs [s]
caldsver	4.7.2	 	ontime7	20069.598803639	Sum of GTIs [s]
date	2016-07-08T01:46:31	Date and time of file creation	l1events	25729	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

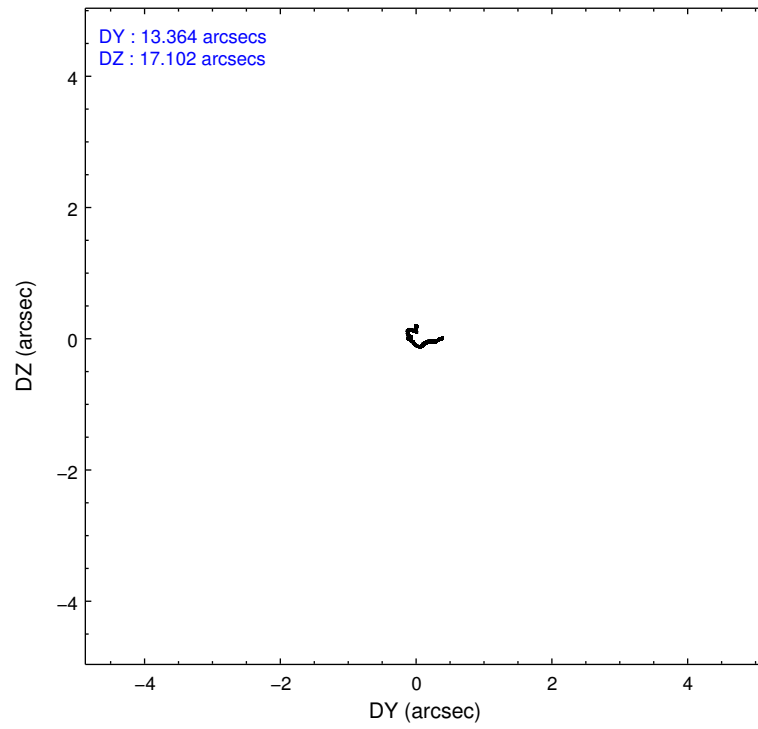
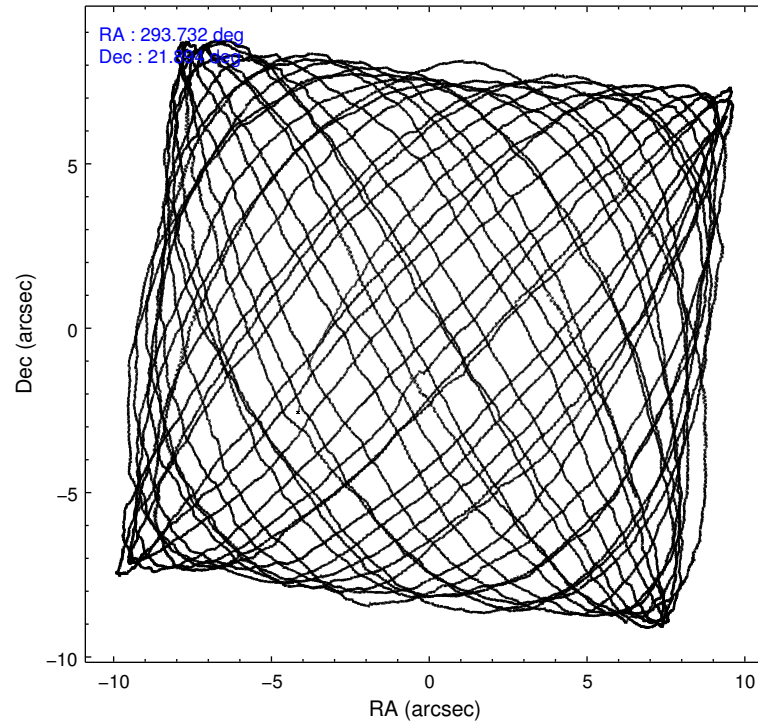
	ccd 7
level 1 events	25729
rejected events	11908
rejected %	46%

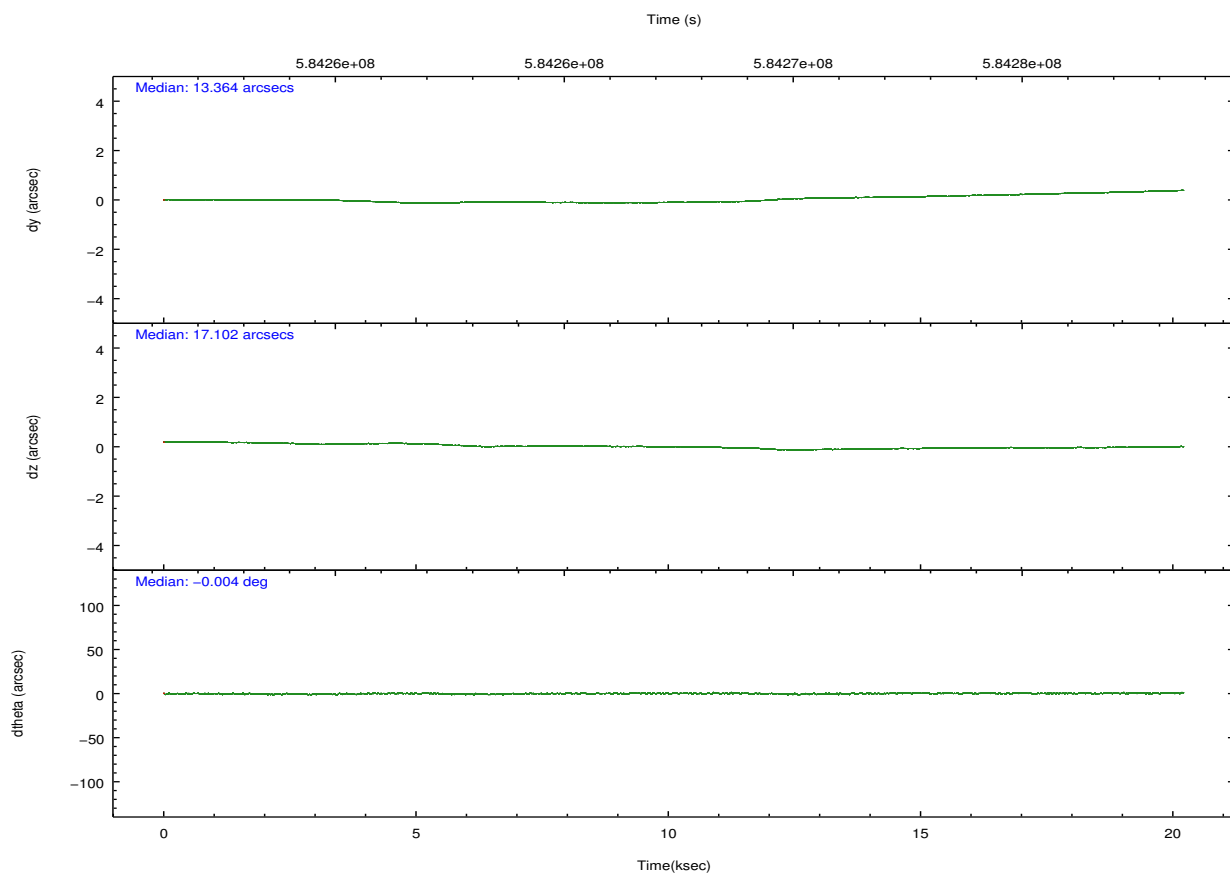
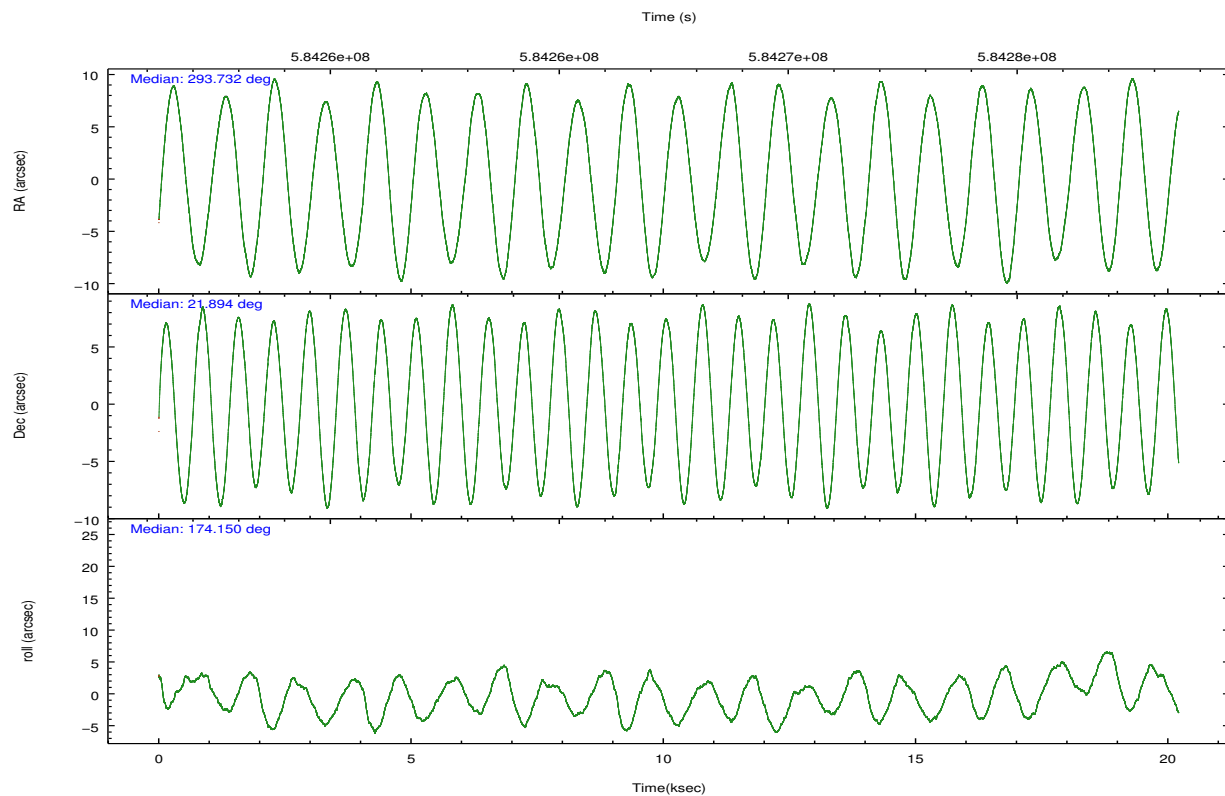
	ccd 7
grade 0 events	1683
	6%
grade 1 events	40
	0%
grade 2 events	2916
	11%
grade 3 events	1767
	6%
grade 4 events	1692
	6%
grade 5 events	2443
	9%
grade 6 events	5763
	22%
grade 7 events	9425
	36%

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	293.758277	293.7314687939278	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	21.905846	21.89430414654712	Subarray start row	449	449
[deg] Pointing Roll	173.990232	174.1568604413108	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)	584257495.184000	584256775.71611			
Observation start date	2016-07-07T05:43:47	2016-07-07T05:32:55			
[s] Observation end time (MET)	584277495.184000	584278609.75486			
Observation end date	2016-07-07T11:17:07	2016-07-07T11:36:49			
Read mode	TIMED	TIMED			

2.3 Aspect



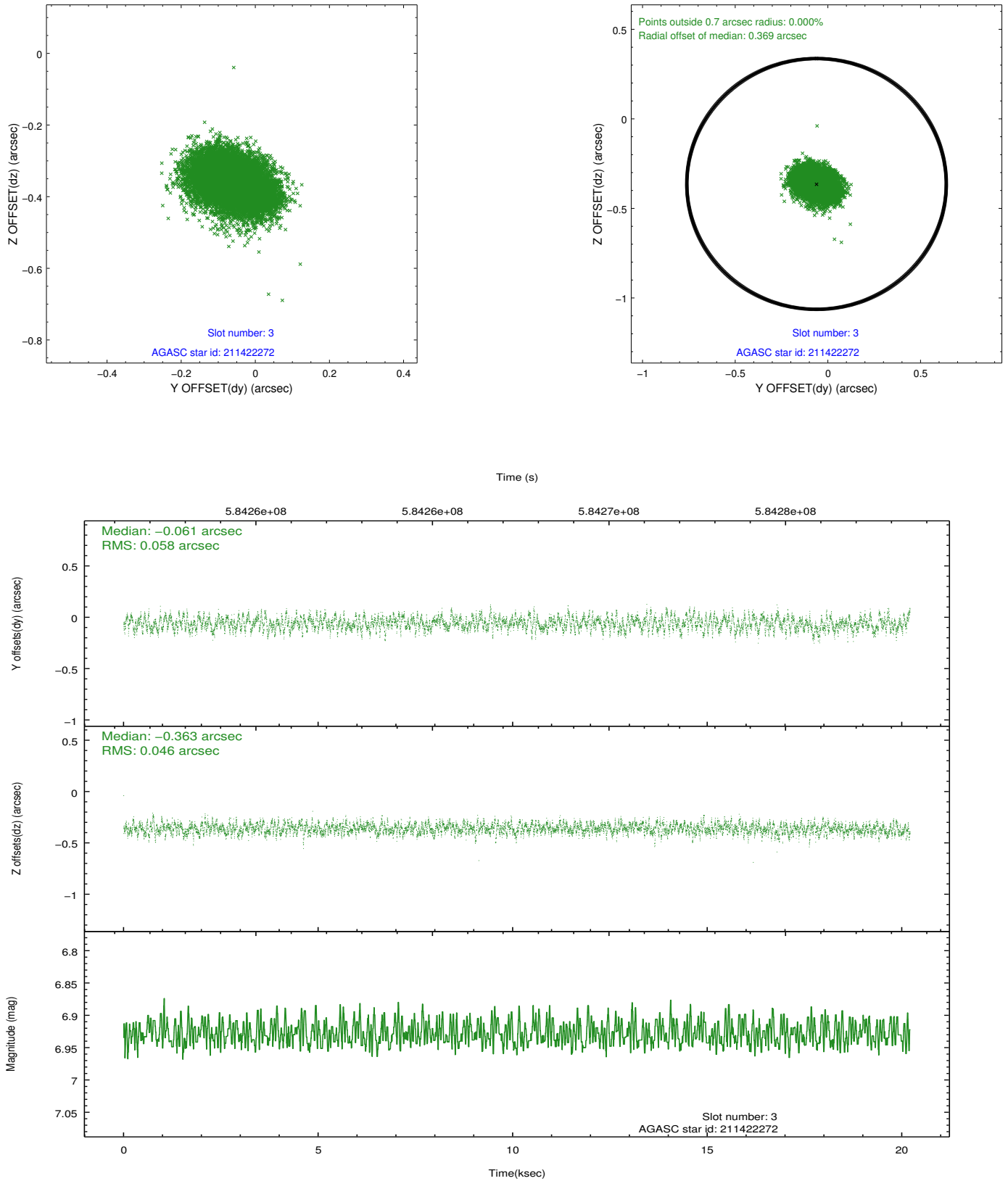


Slot Statistics

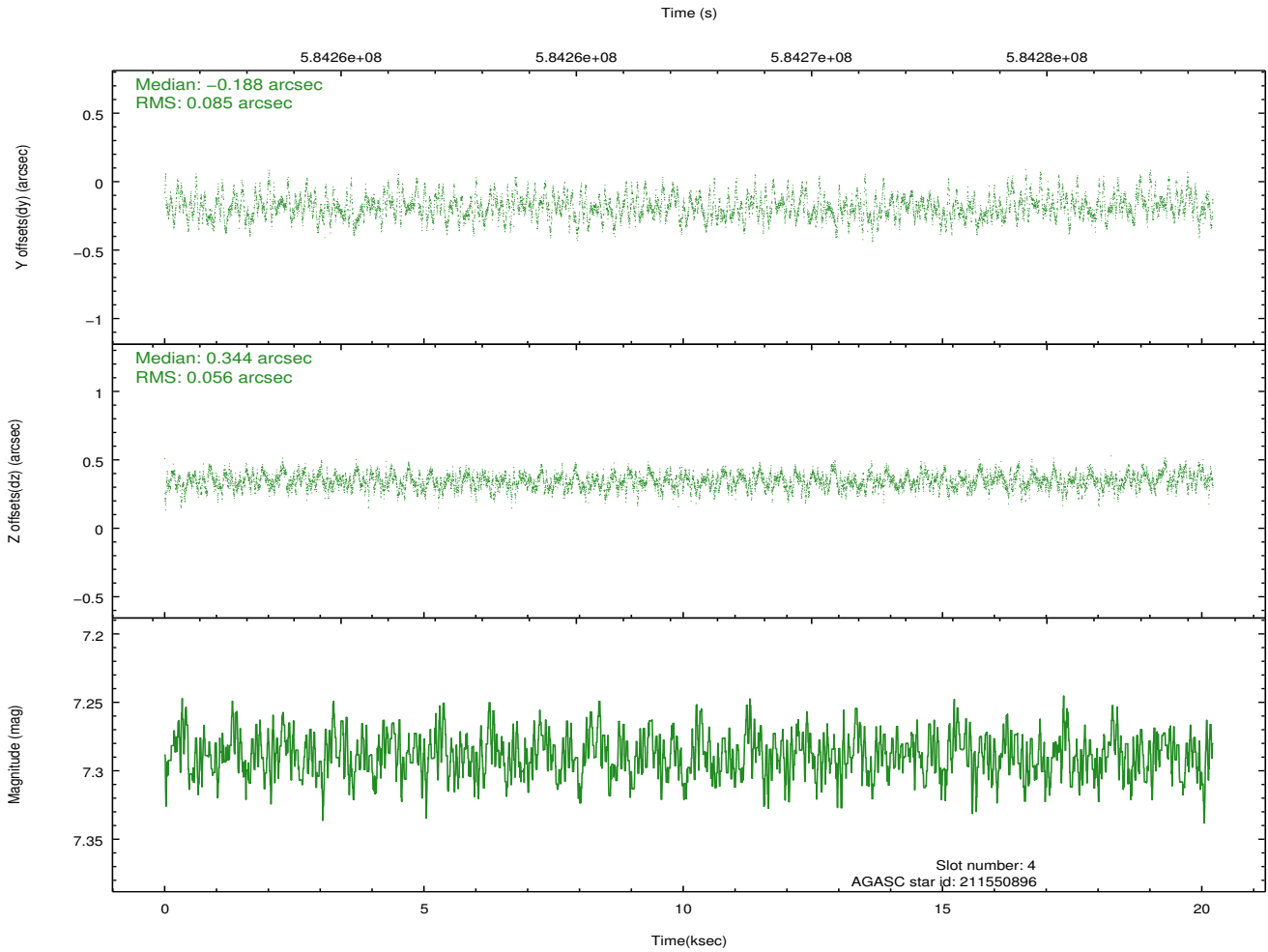
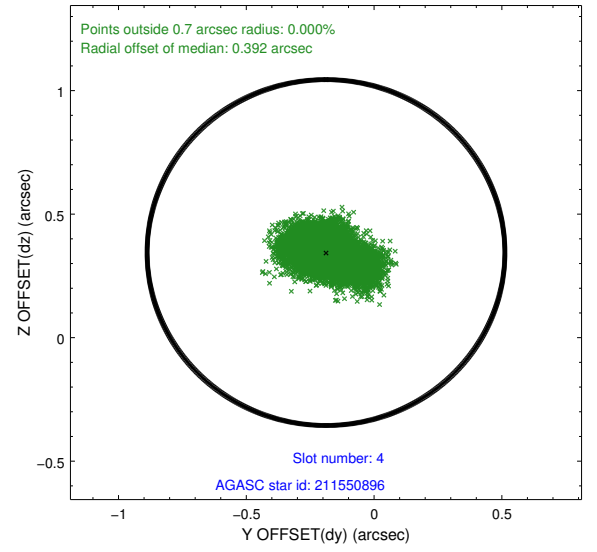
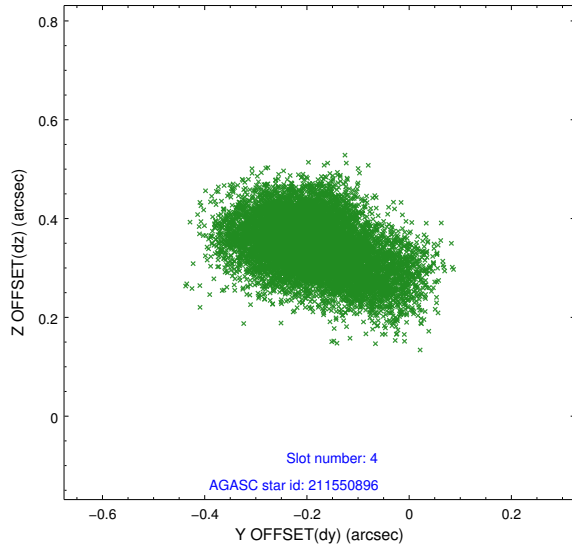
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.10	4930	-0.118	-0.104	0.011	0.020	0.000000	0.000000	-766.44	-1738.66
1	FID		ACIS-S-4	7.22	4930	0.408	0.086	0.009	0.018	0.000000	0.000000	2147.27	169.83
2	FID		ACIS-S-5	7.23	4930	-0.321	0.028	0.010	0.015	0.000000	0.000000	-1819.26	163.63
3	GUIDE	used	211422272	6.93	9860	-0.061	-0.363	0.079	0.126	293.356474	21.840331	1310.98	376.82
4	GUIDE	used	211550896	7.29	9857	-0.188	0.344	0.106	0.185	294.277529	22.005948	-1685.23	-542.35
5	GUIDE	used	280237272	8.27	9852	0.336	0.374	0.106	0.164	293.907450	22.501900	-268.01	-2185.67
6	GUIDE	used	211424576	7.57	9854	-0.312	-0.396	0.078	0.124	293.235837	21.456301	1571.50	1789.63
7	GUIDE	used	280236952	8.21	9849	0.223	0.040	0.130	0.223	293.105879	22.558369	2404.78	-2112.80

2.4 Star Slots

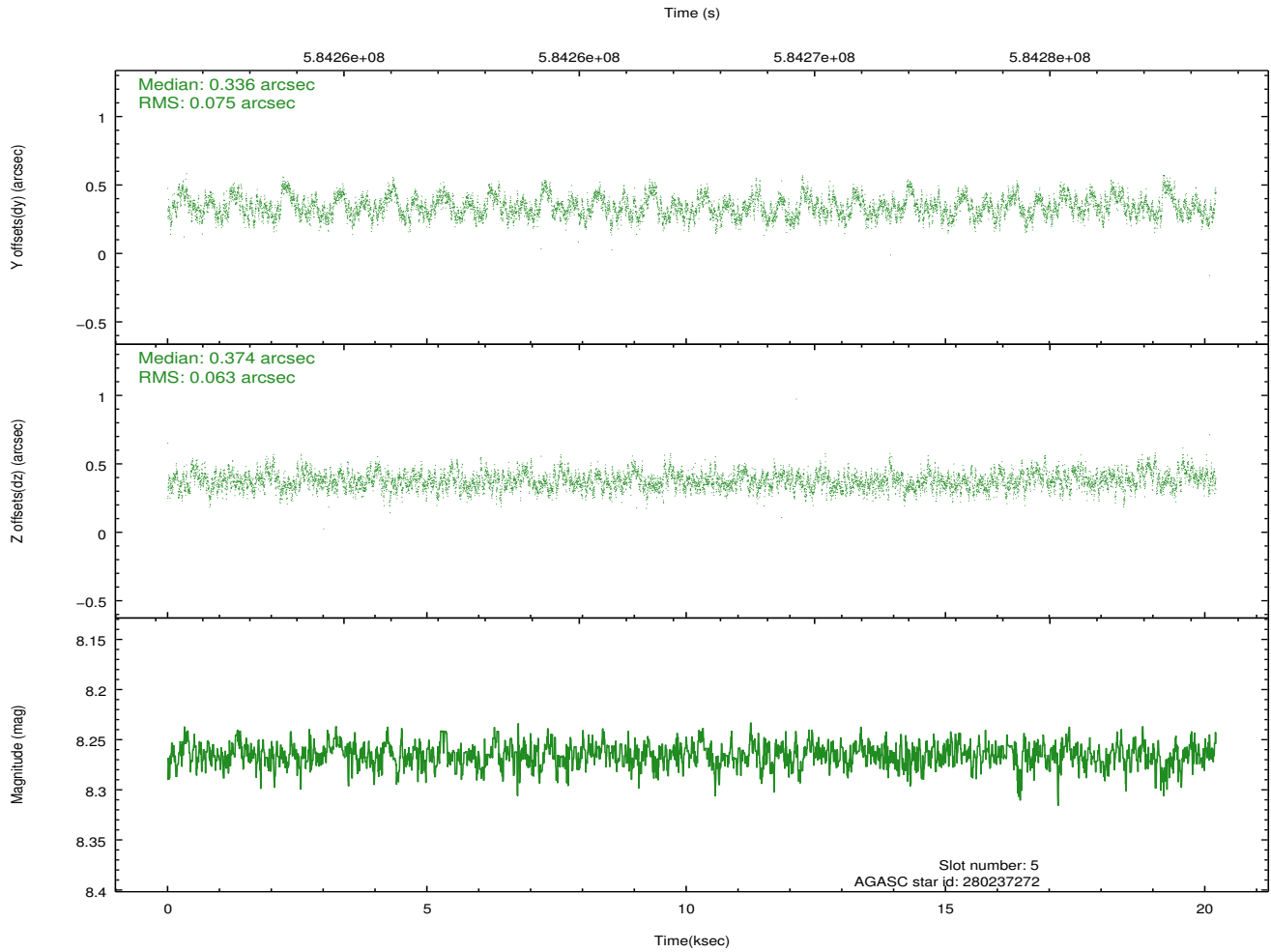
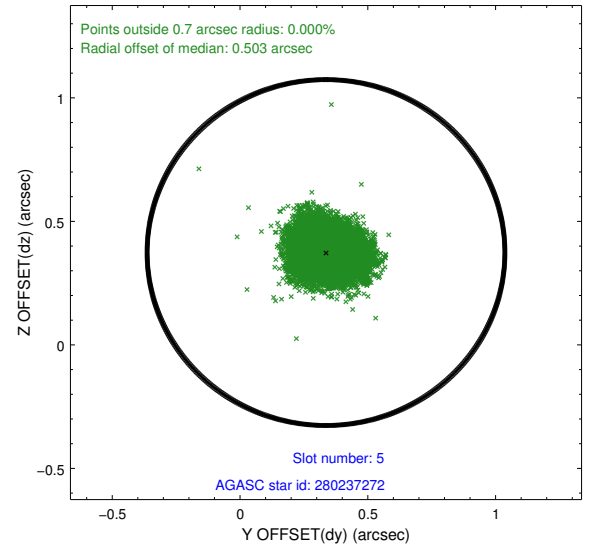
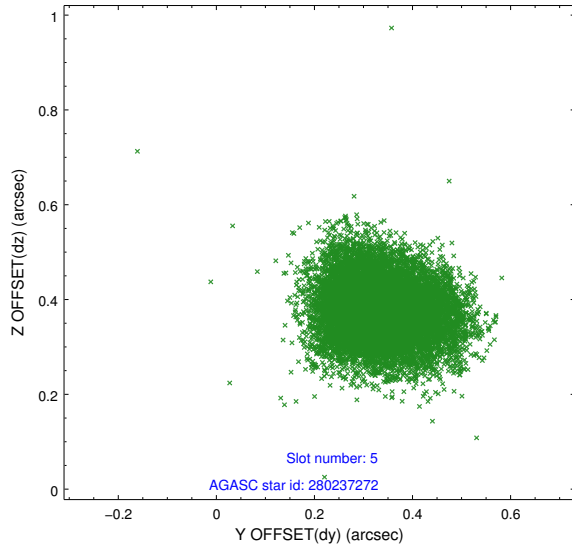
2.4.1 Slot 3



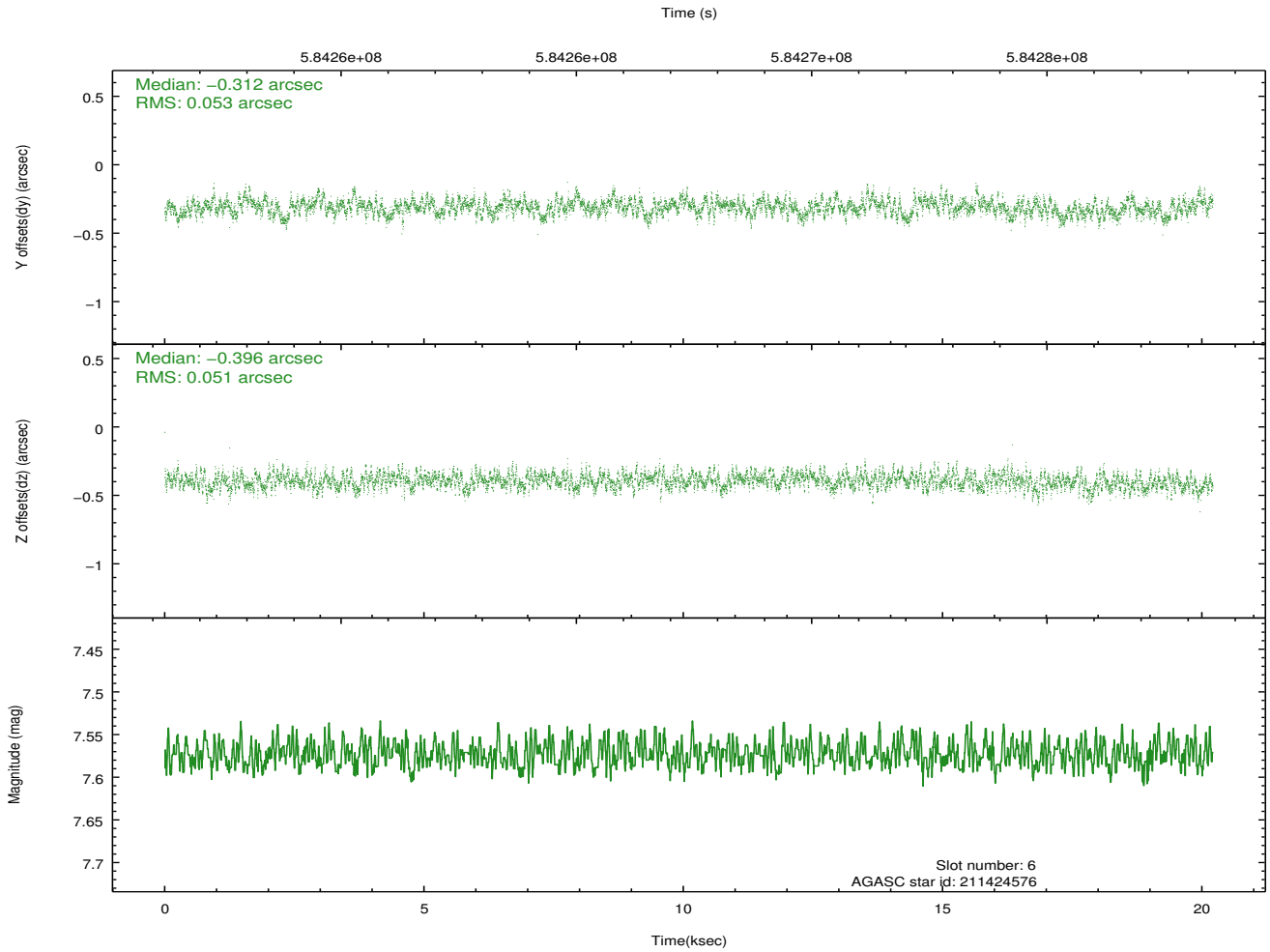
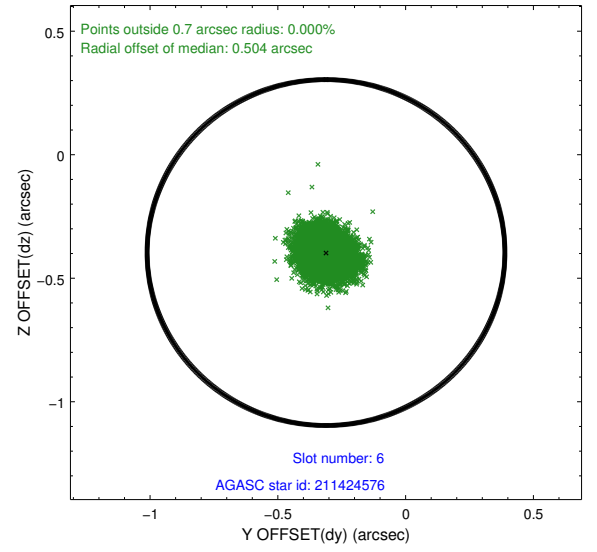
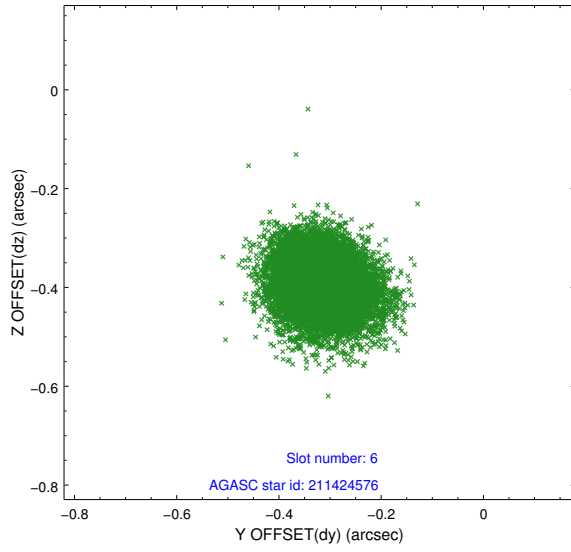
2.4.2 Slot 4



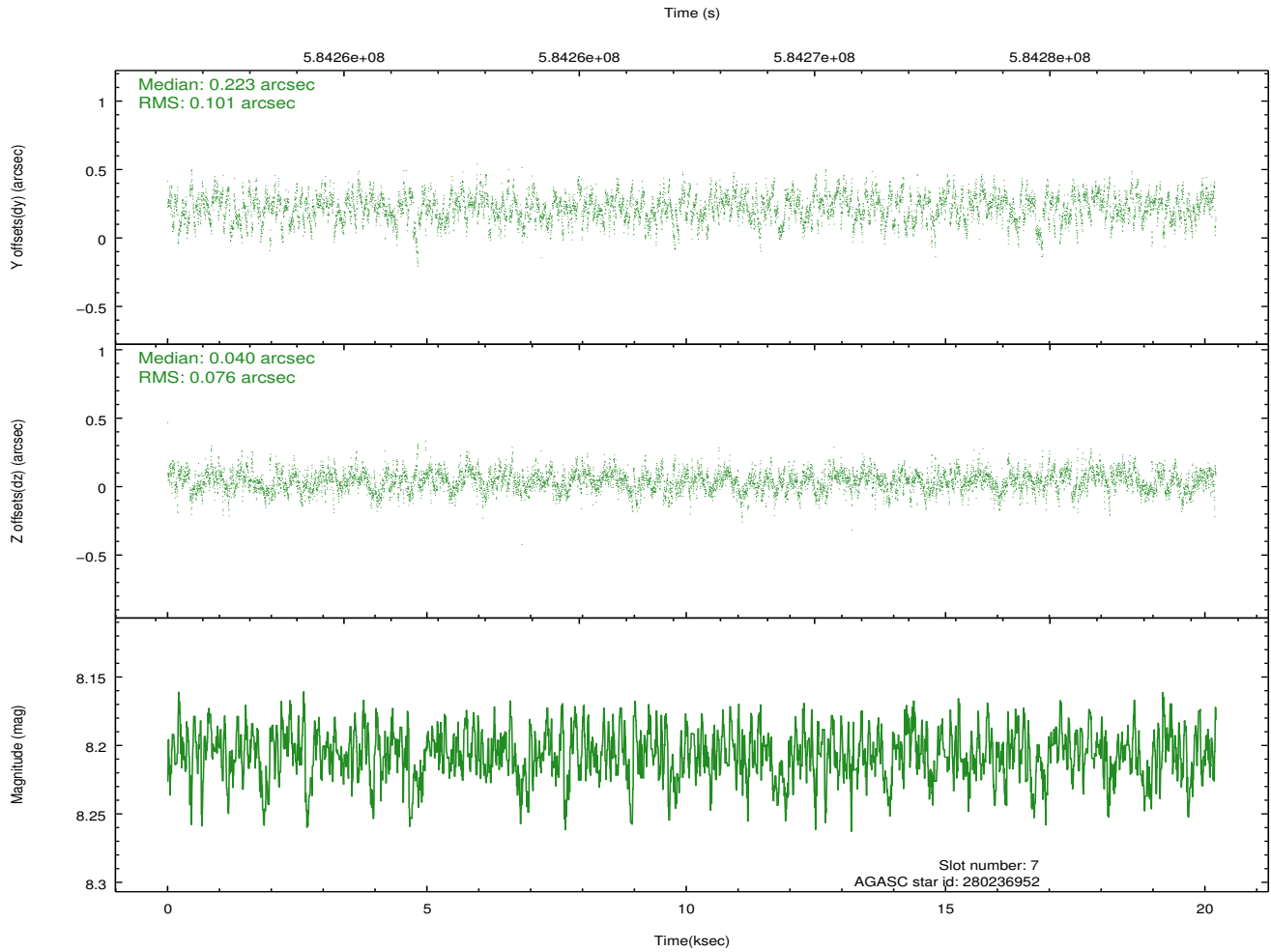
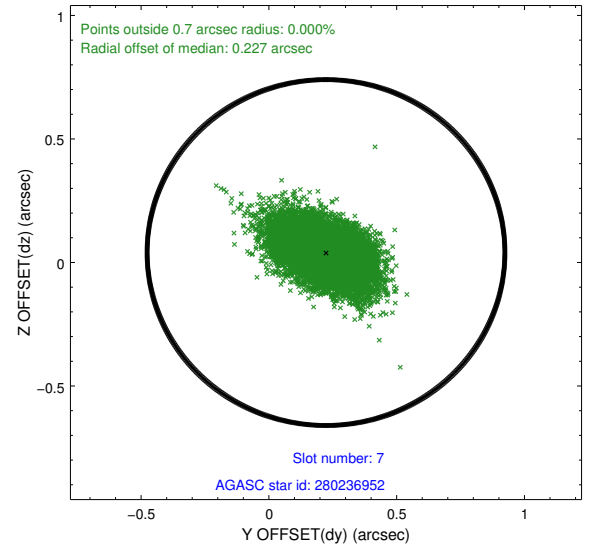
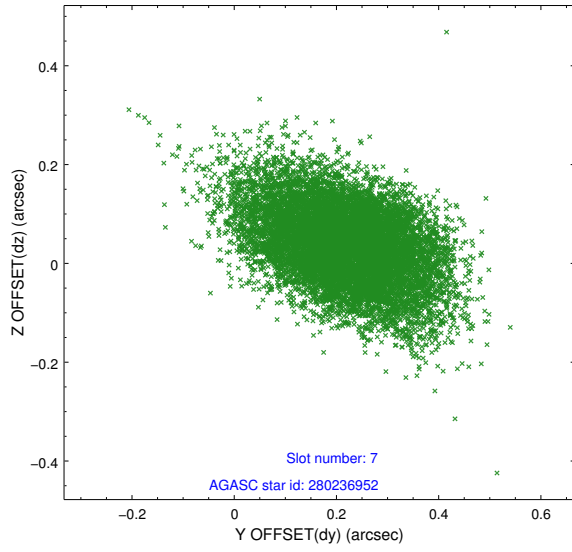
2.4.3 Slot 5



2.4.4 Slot 6

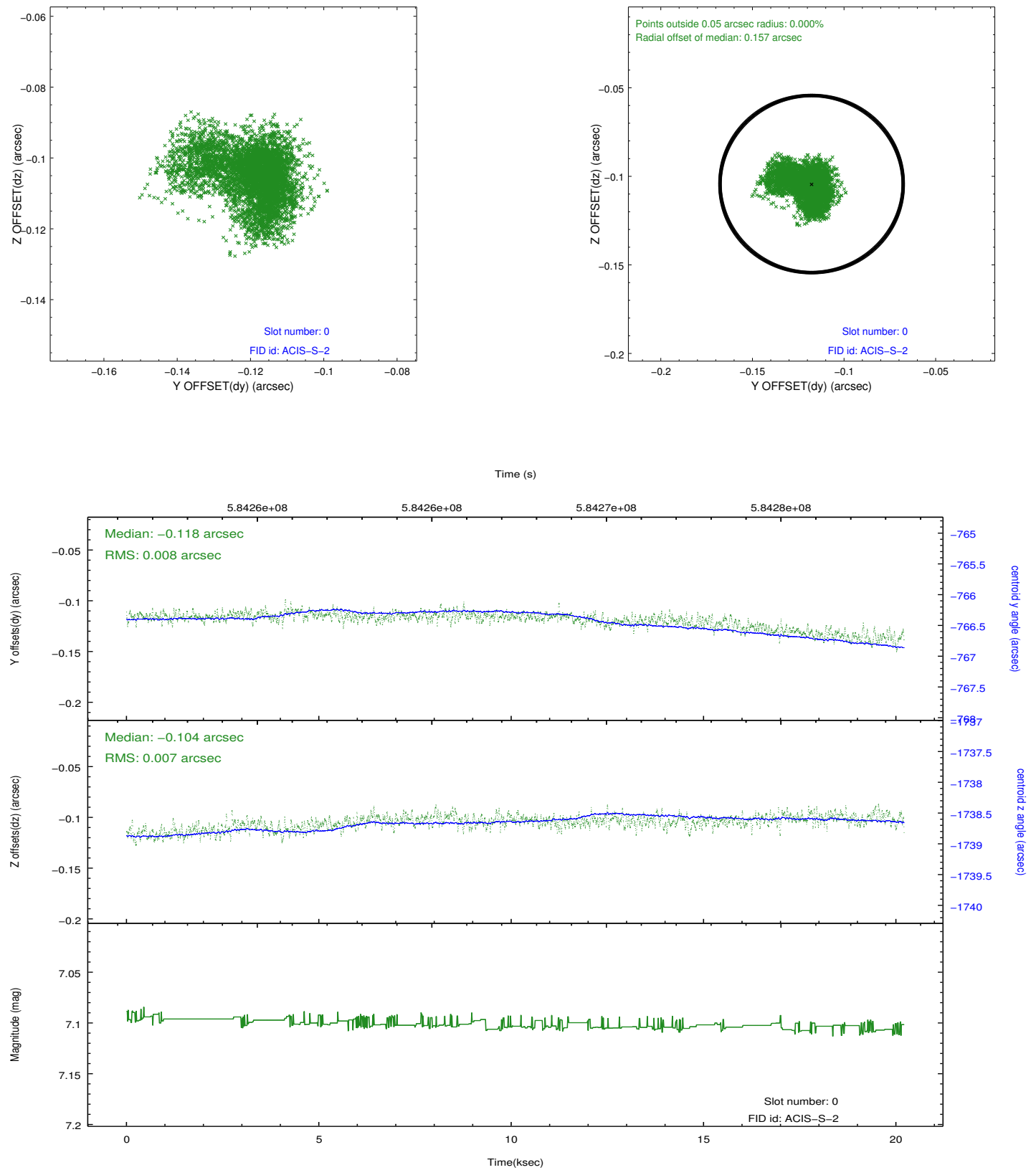


2.4.5 Slot 7

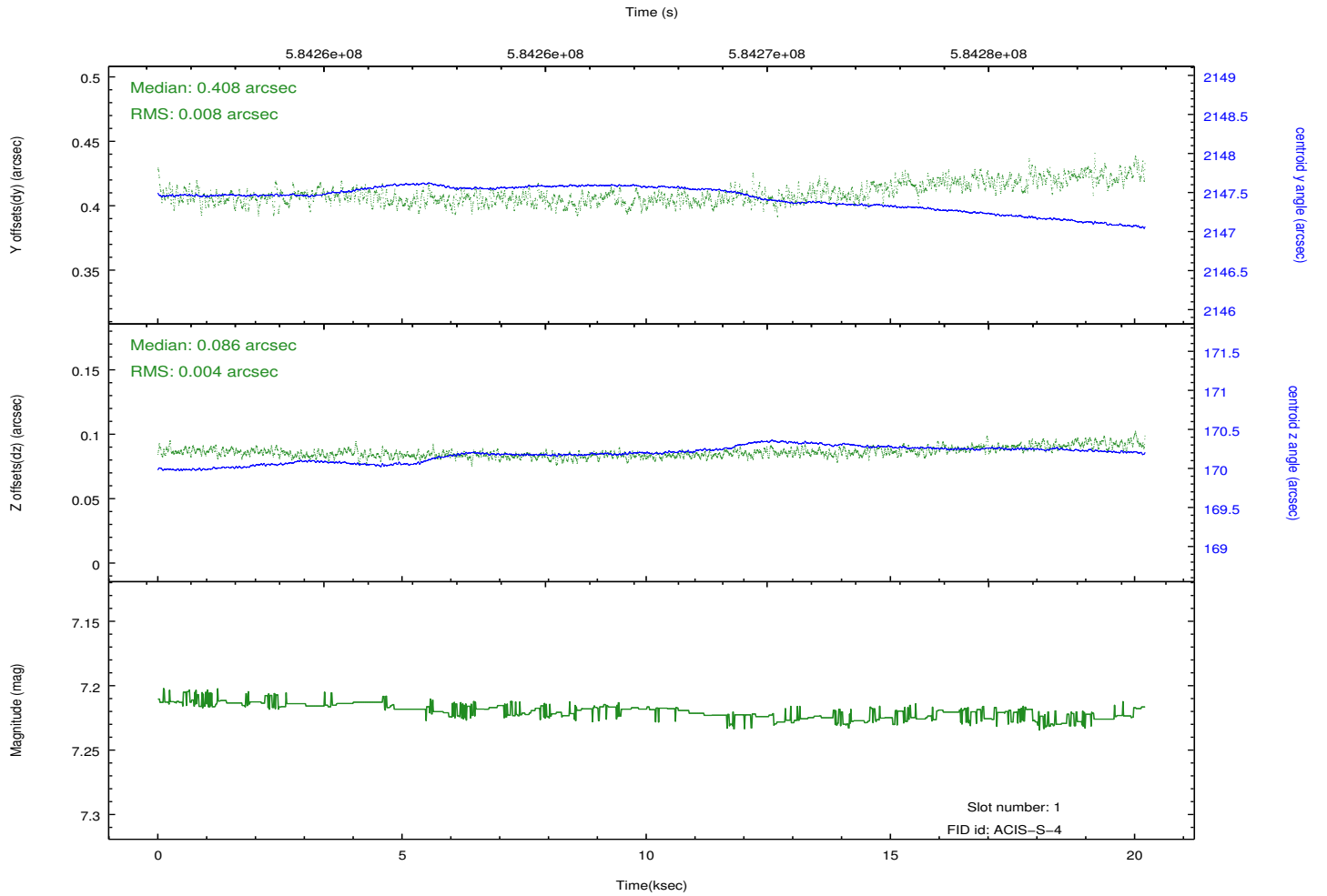
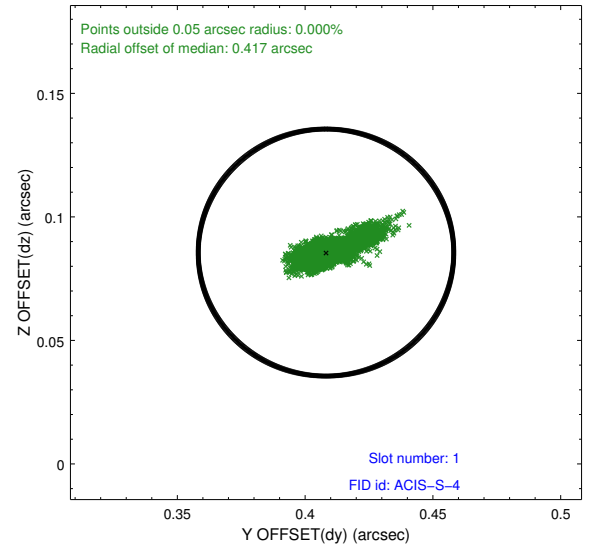
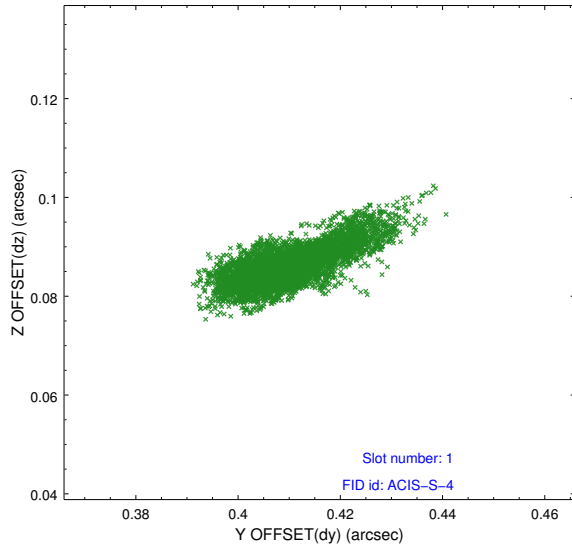


2.5 FID Slots

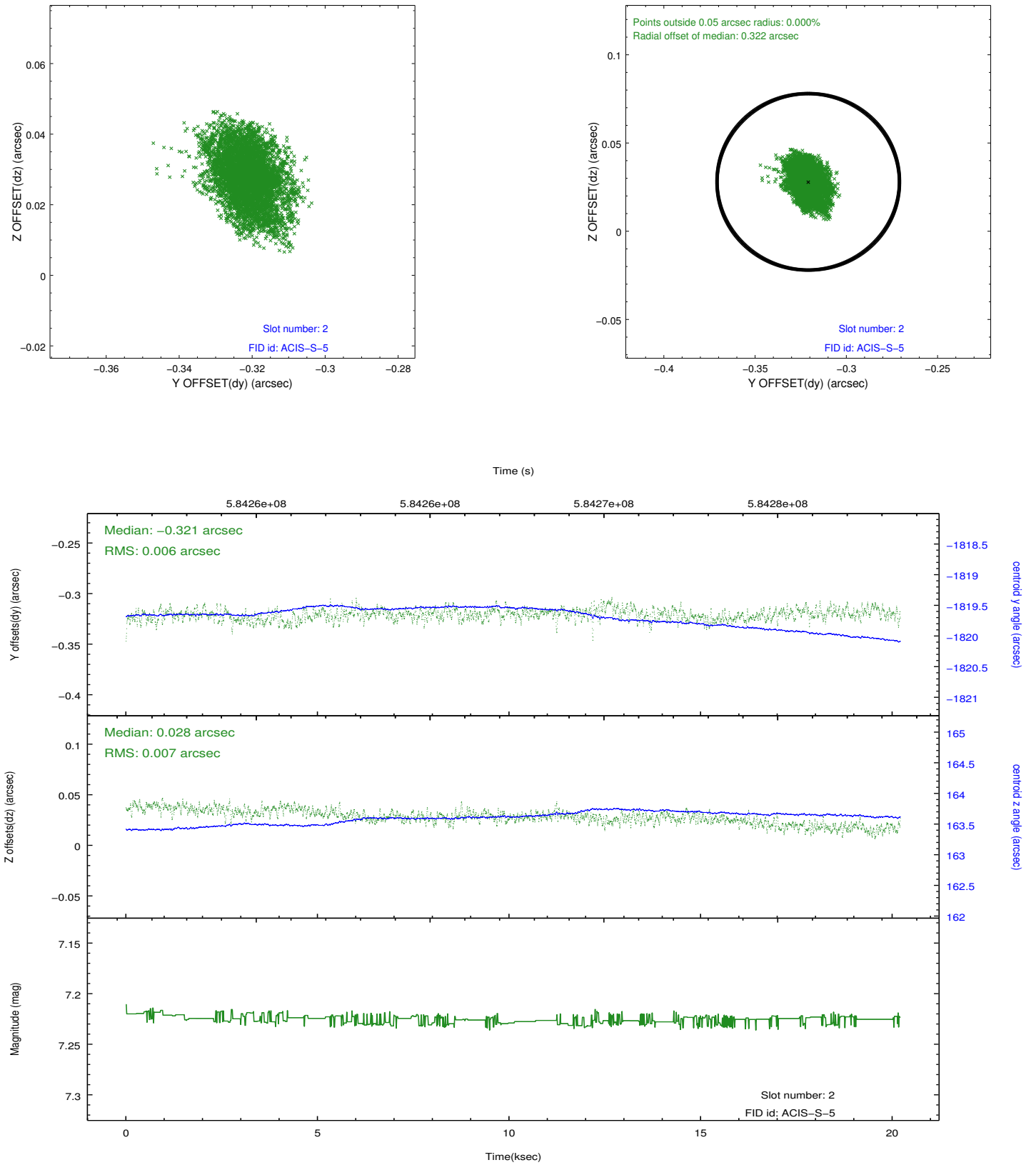
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.07.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.069598803639

A.2 Comments