

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18056 - L2 Version 2
Chandra X-Ray Center

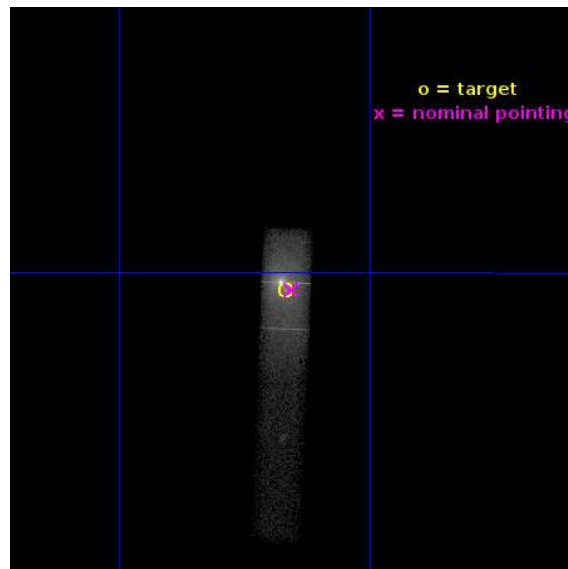
L2 Processing Date : Feb 16 2016

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1 Front

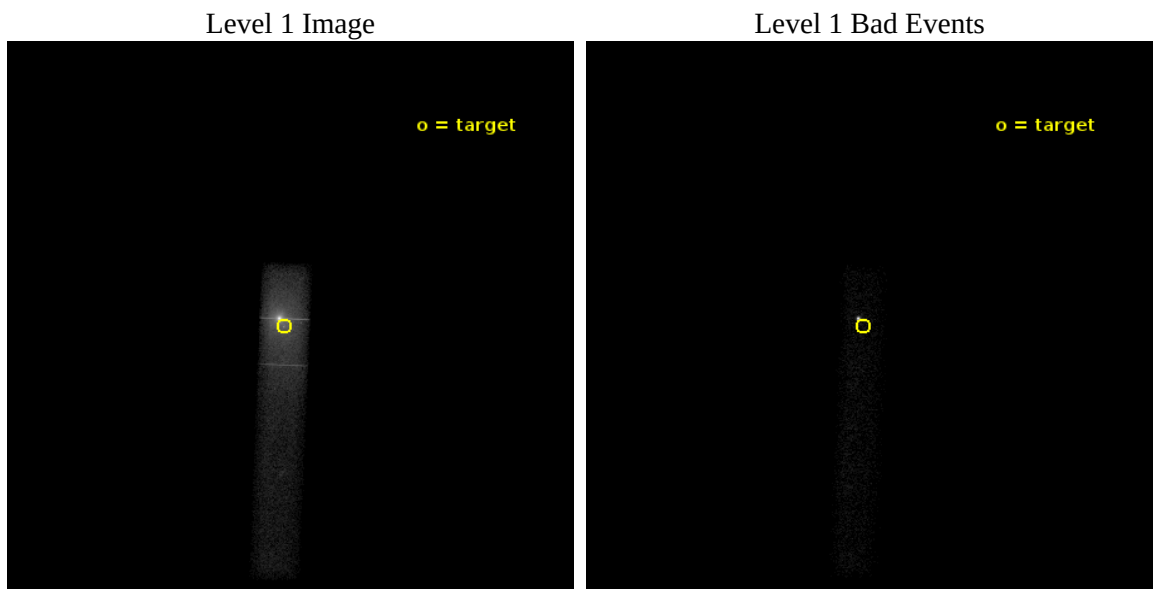
seq_num	601238	Sequence number
obs_id	18056	Observation id
title	Chandra Monitoring of Magnetar SGR J1745-2900, Sgr A* and Dusty Object G2	Proposal title
observer	Dr. Gordon Garmire	Principal investigator
object	SgrA*	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007833	Observer's specified target Dec [deg]
ra_nom	266.41393014167	Nominal RA [deg]
dec_nom	-29.007742646198	Nominal Dec [deg]
roll_nom	92.172574055749	Nominal Roll [deg]
revision	2	Processing version of data
ontime	24024.76947546	Sum of GTIs [s]
livetime	21789.197782931	Livetime [s]
ontime7	24024.76947546	Sum of GTIs [s]
l2events	130579	Number of level 2 events



2 OBI

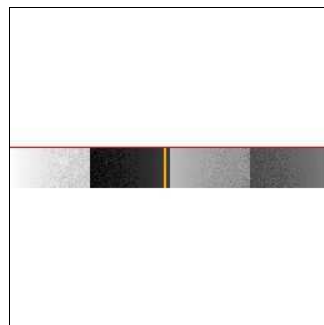
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	23954.839000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	24024.76947546	Sum of GTIs [s]
caldbver	4.7.0	 	ontime7	24024.76947546	Sum of GTIs [s]
date	2016-02-16T20:13:20	Date and time of file creation	l1events	167039	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

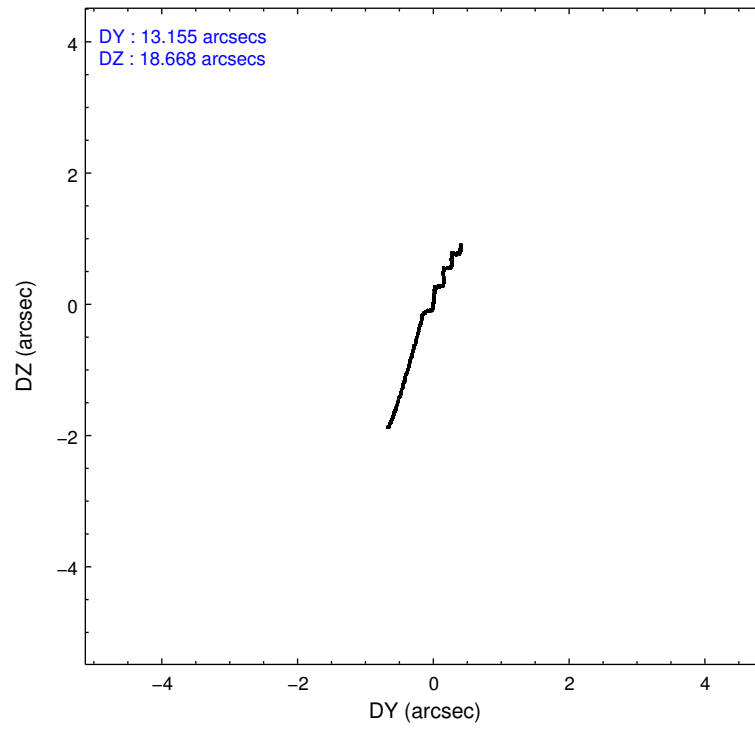
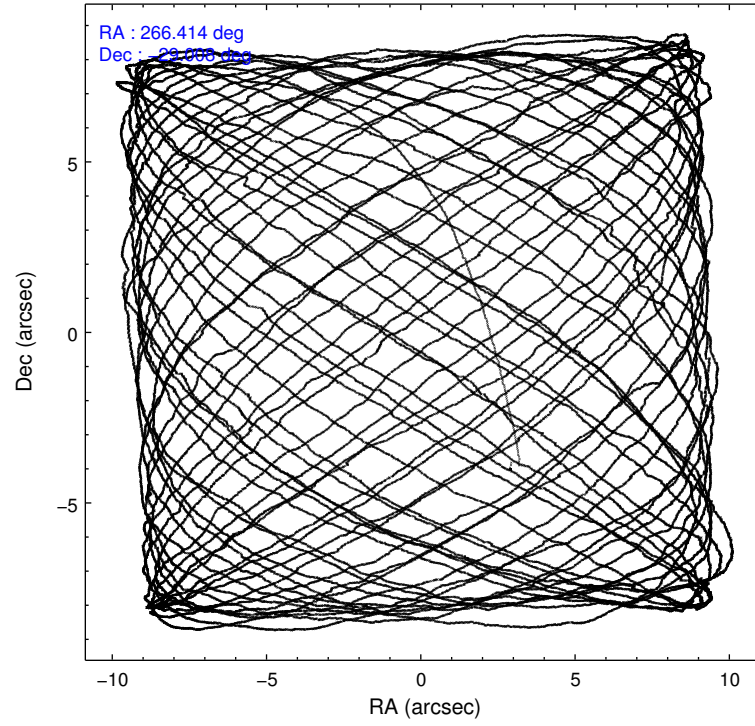
	ccd 7
level 1 events	167039
rejected events	35605
rejected %	21%

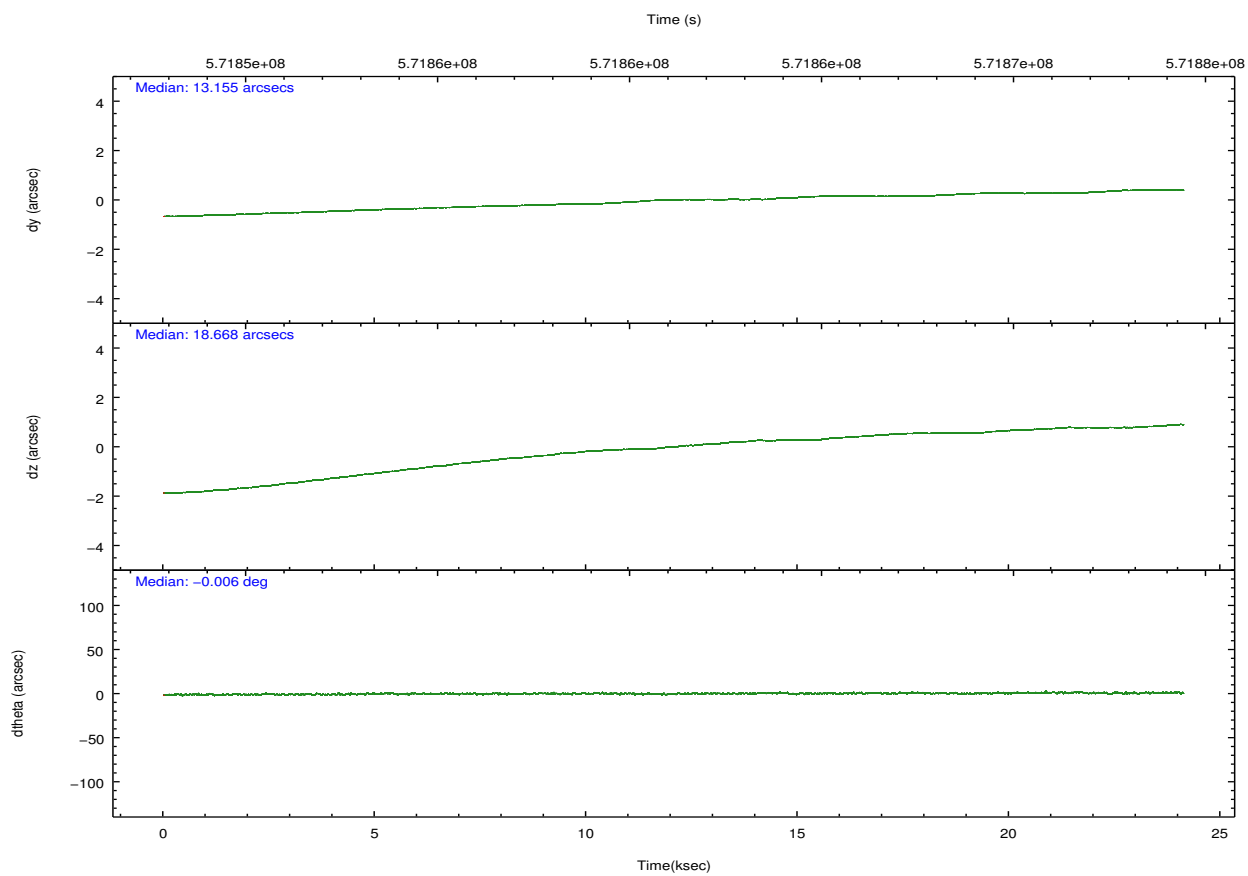
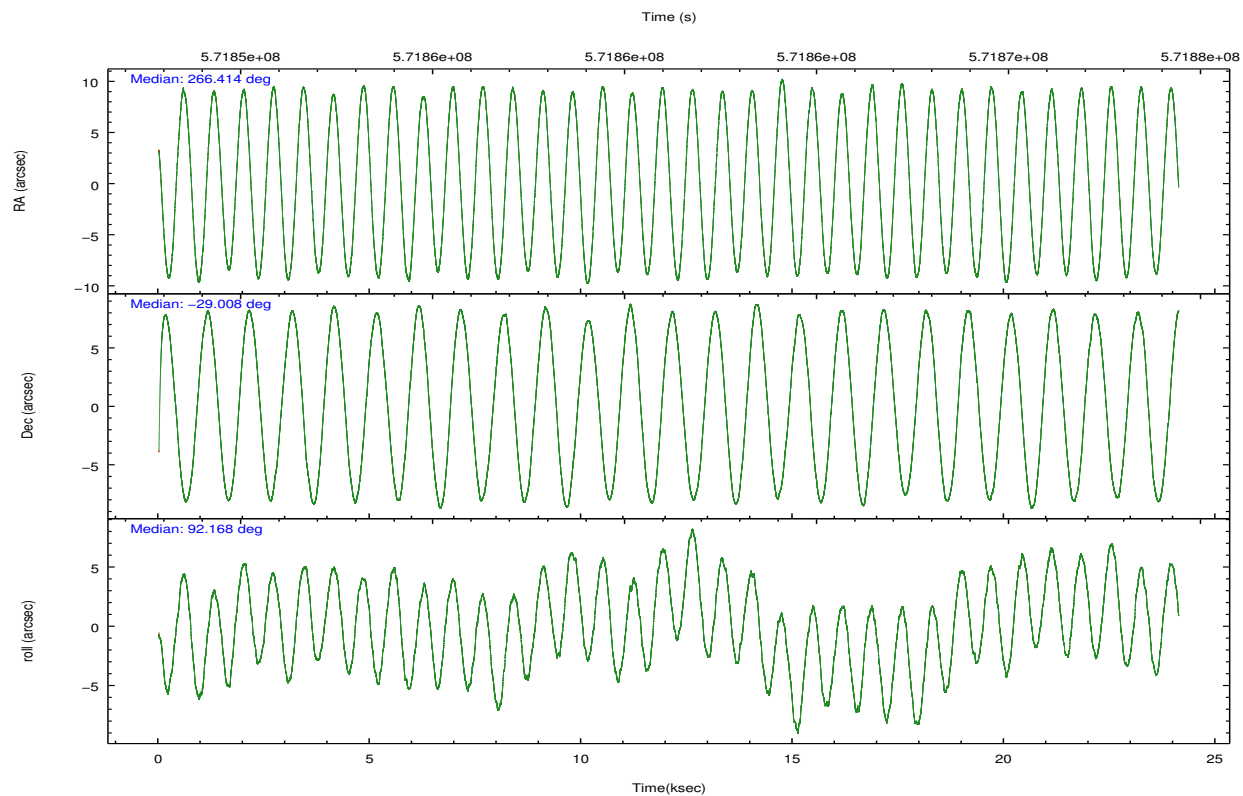
	ccd 7
grade 0 events	21219
	12%
grade 1 events	1358
	0%
grade 2 events	29548
	17%
grade 3 events	13623
	8%
grade 4 events	13165
	7%
grade 5 events	9329
	5%
grade 6 events	53883
	32%
grade 7 events	24914
	14%

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	266.430998	266.413930141672	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-29.030779	-29.00774264619777	Subarray start row	449	449
[deg] Pointing Roll	92.024228	92.17257405574935	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	571849278.184000	571848361.84627			
Observation start date	2016-02-14T15:00:10	2016-02-14T14:46:01			
[s] Observation end time (MET)	571873233.184000	571873459.9977			
Observation end date	2016-02-14T21:39:25	2016-02-14T21:44:19			
Read mode	TIMED	TIMED			

2.3 Aspect



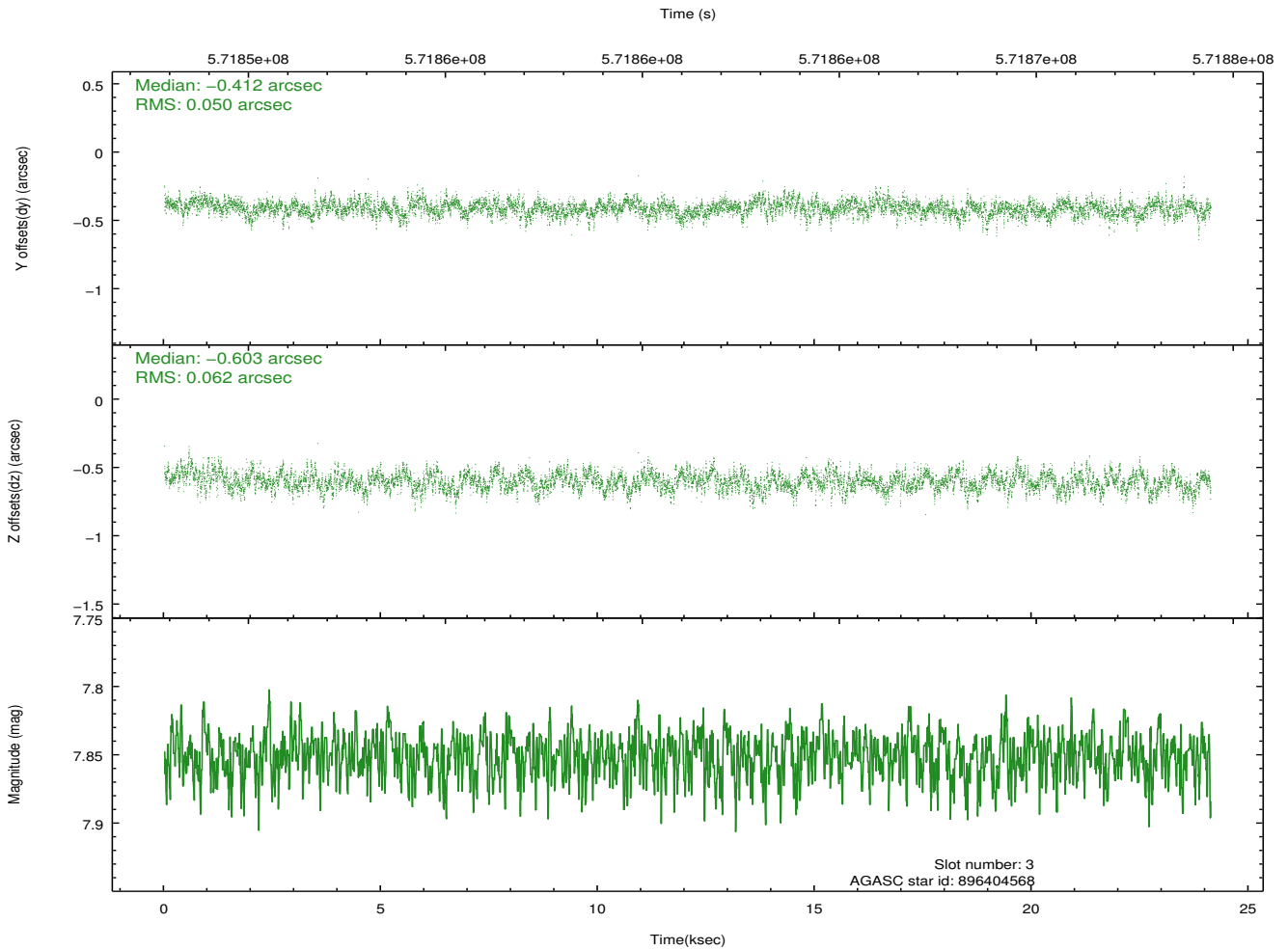
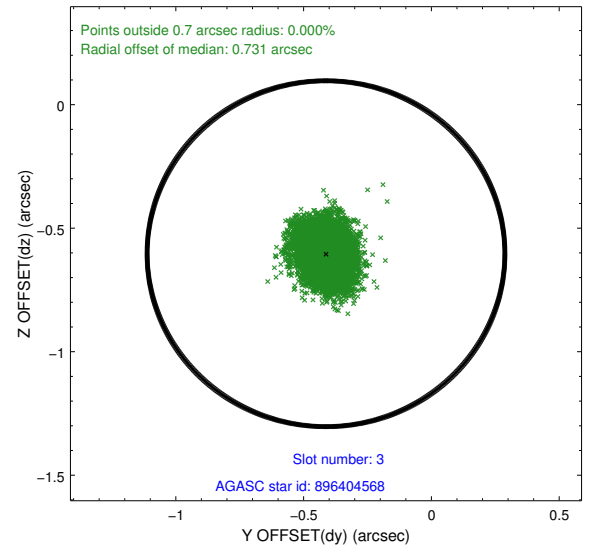
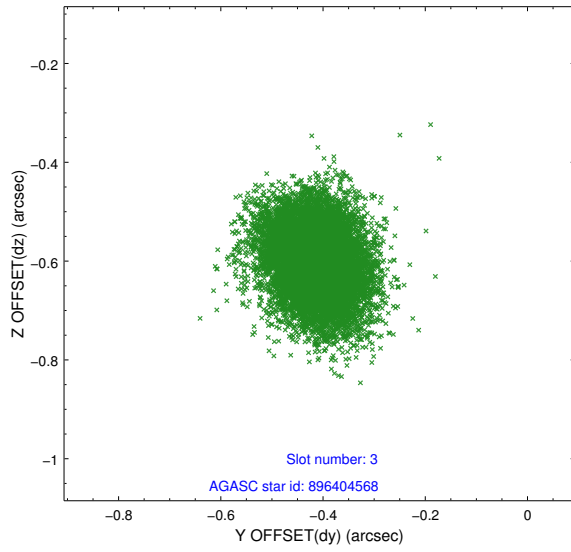


Slot Statistics

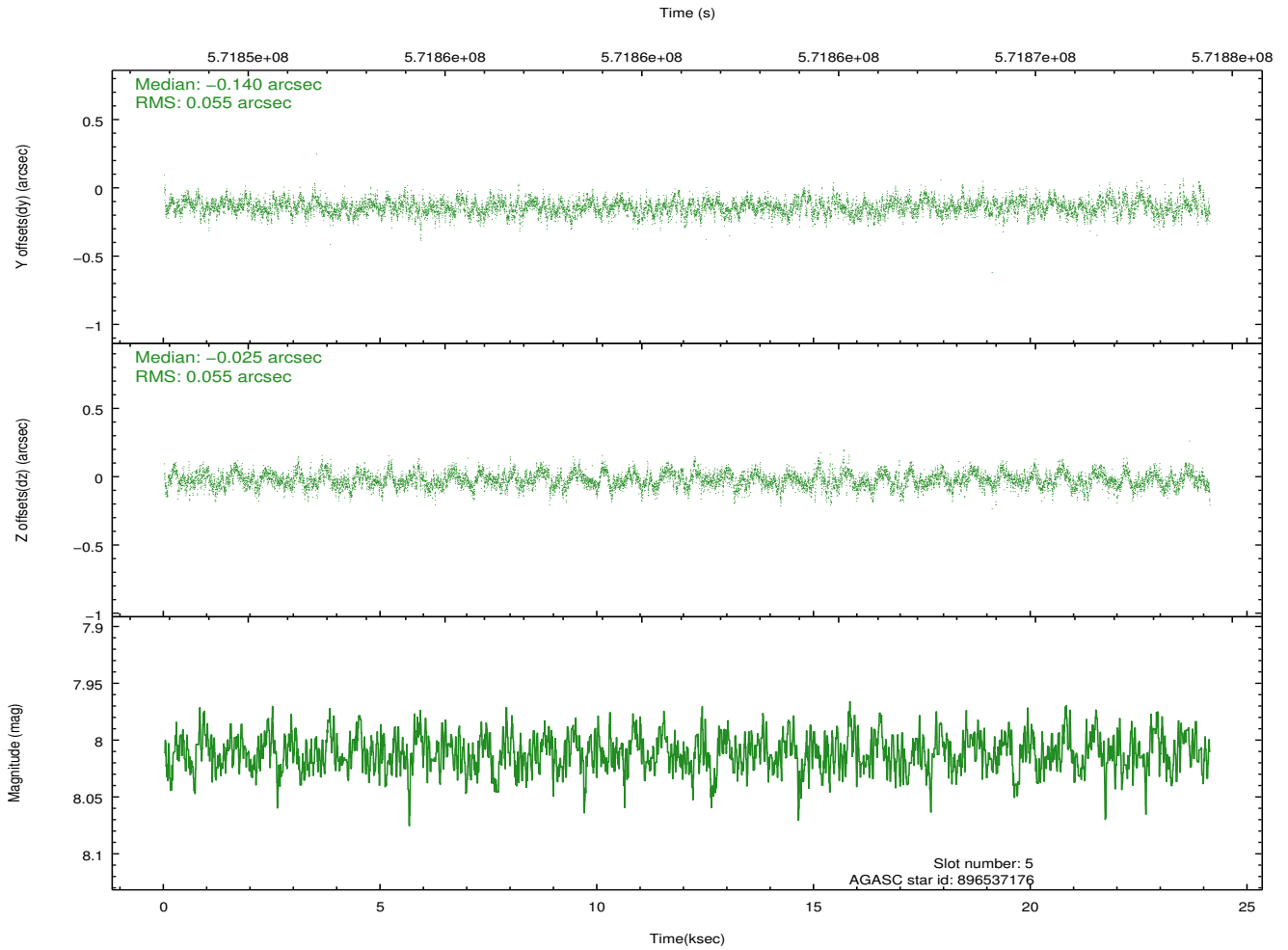
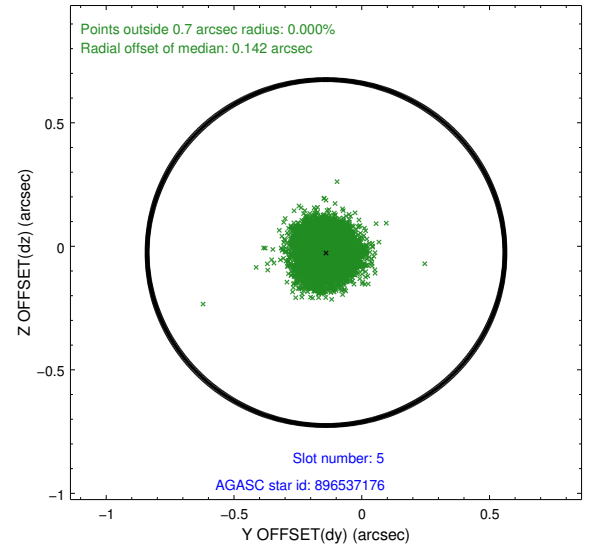
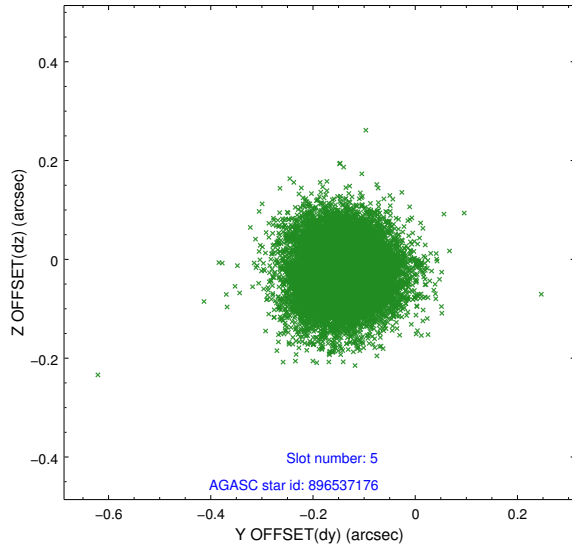
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.21	5883	-0.046	-0.013	0.024	0.063	0.000000	0.000000	930.01	-1735.53
1	FID		ACIS-S-4	7.21	5883	0.157	0.010	0.017	0.024	0.000000	0.000000	2147.67	168.54
2	FID		ACIS-S-6	7.35	5883	-0.135	0.011	0.016	0.059	0.000000	0.000000	395.99	806.03
3	GUIDE	used	896404568	7.85	11765	-0.412	-0.603	0.085	0.142	265.687293	-28.431080	2232.97	2276.69
4	OMITTED			0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
5	GUIDE	used	896537176	8.01	11764	-0.140	-0.025	0.083	0.134	266.498272	-28.678259	1260.88	-256.86
6	GUIDE	used	896537776	7.53	11766	0.489	0.212	0.067	0.114	266.655684	-29.665673	-2308.96	-621.63
7	GUIDE	used	896538208	7.96	11763	0.065	0.418	0.081	0.133	267.176969	-28.671626	1201.70	-2399.67

2.4 Star Slots

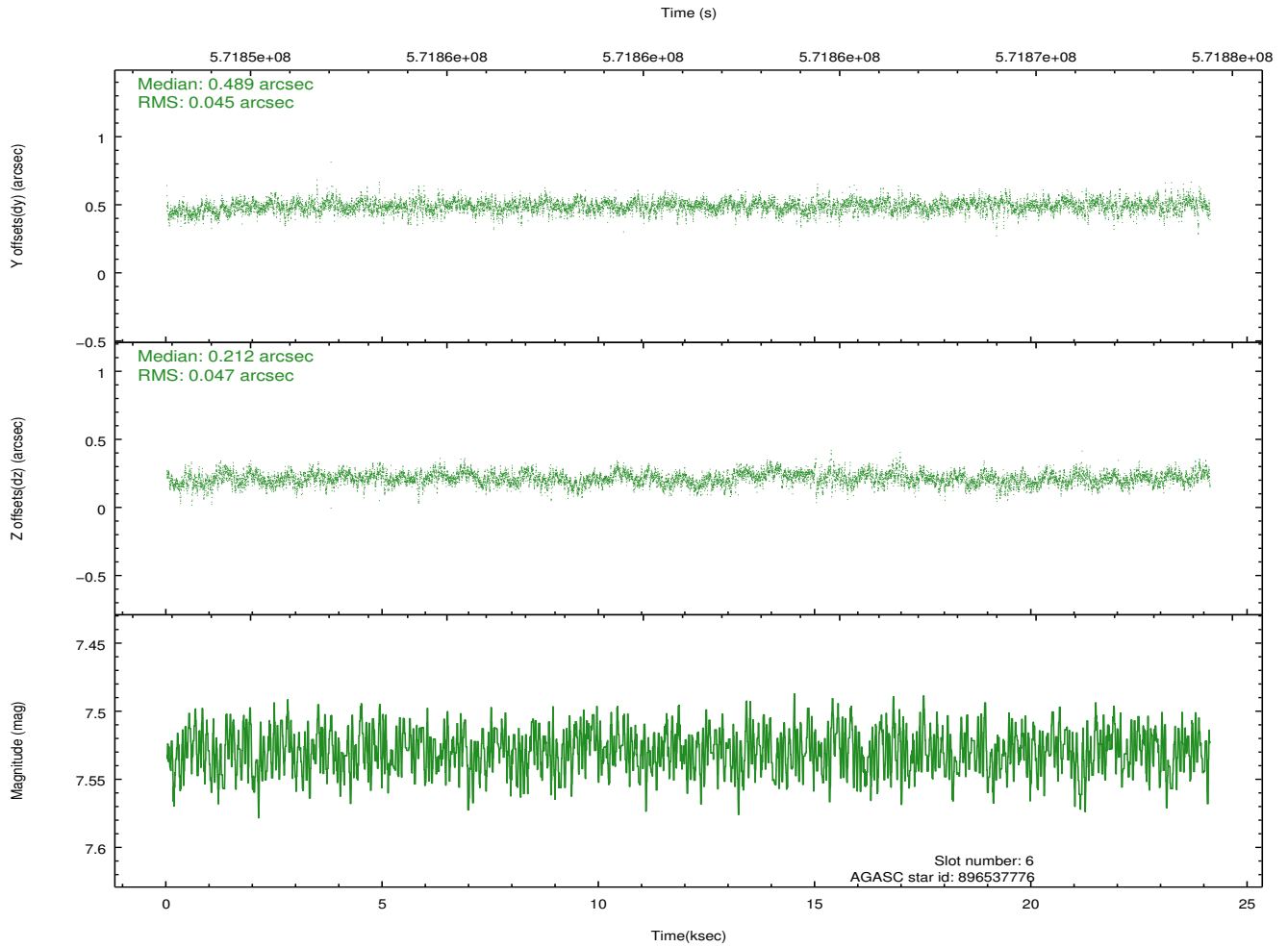
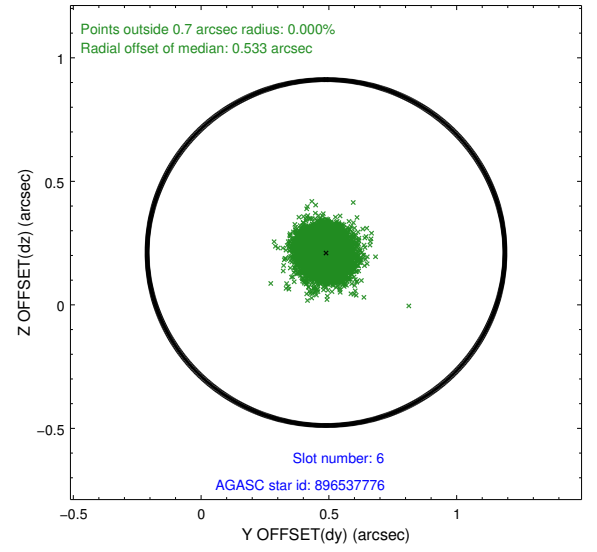
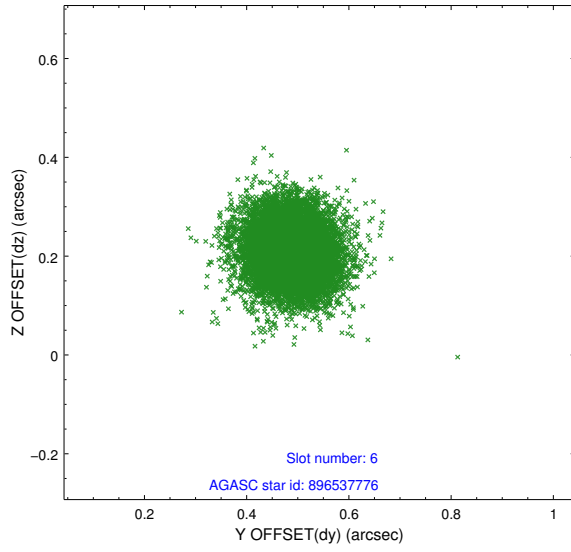
2.4.1 Slot 3



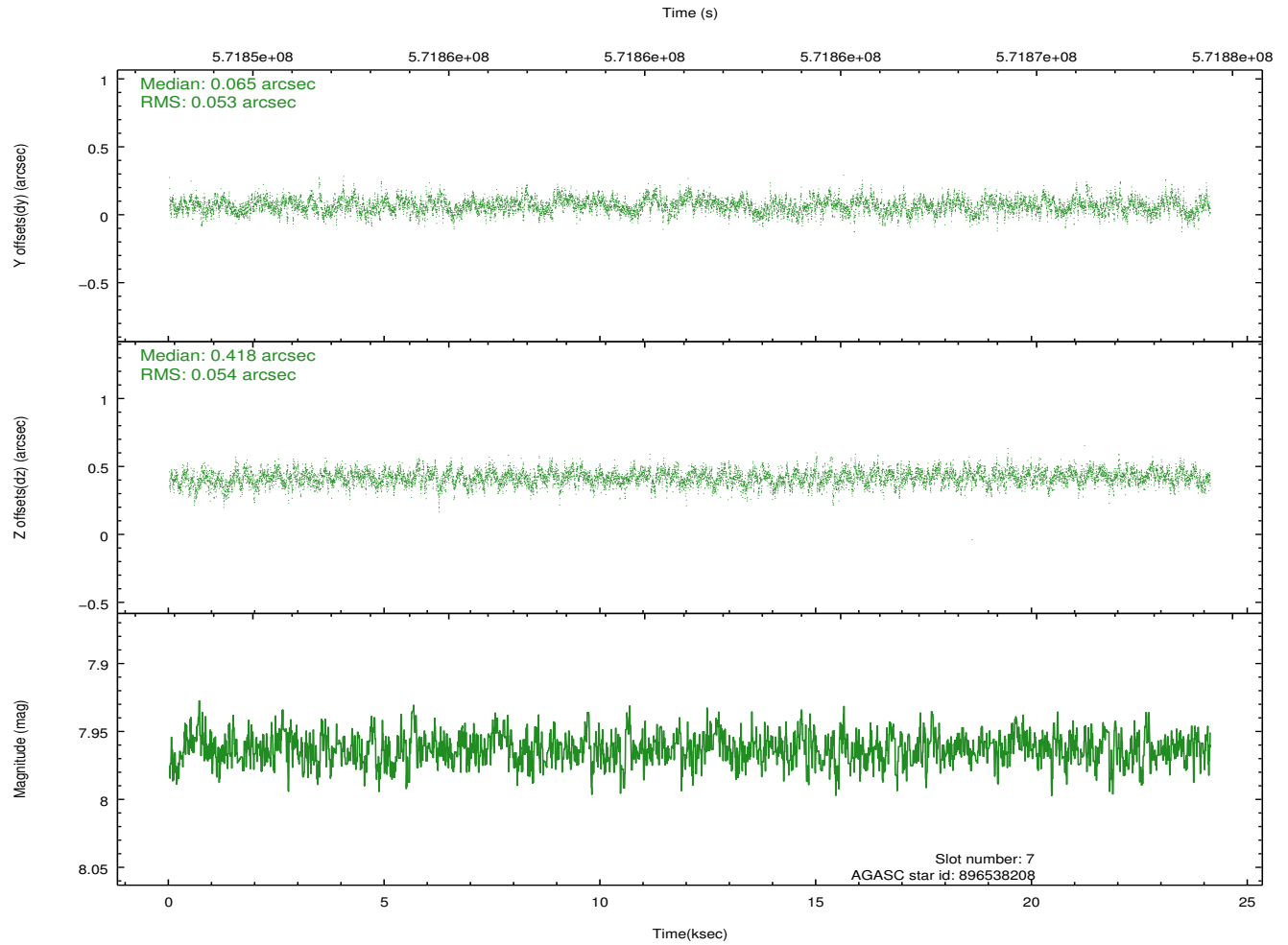
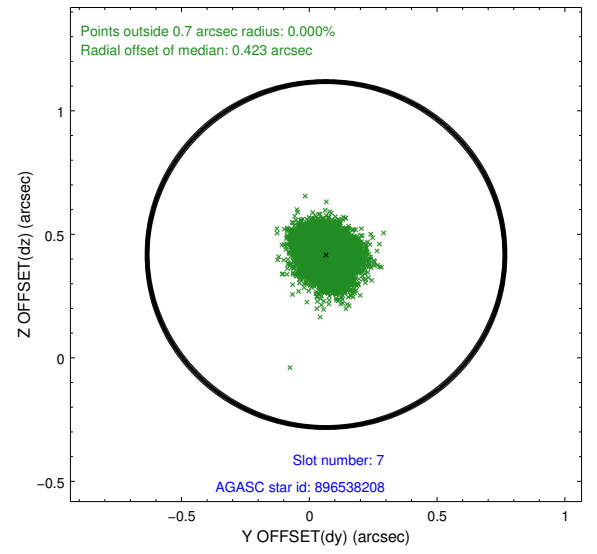
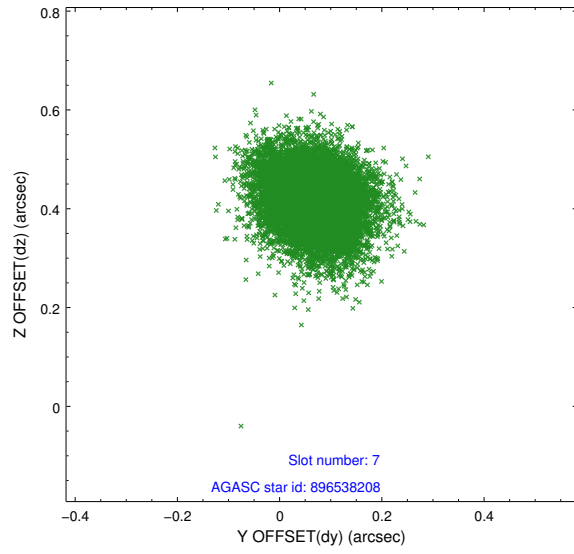
2.4.2 Slot 5



2.4.3 Slot 6

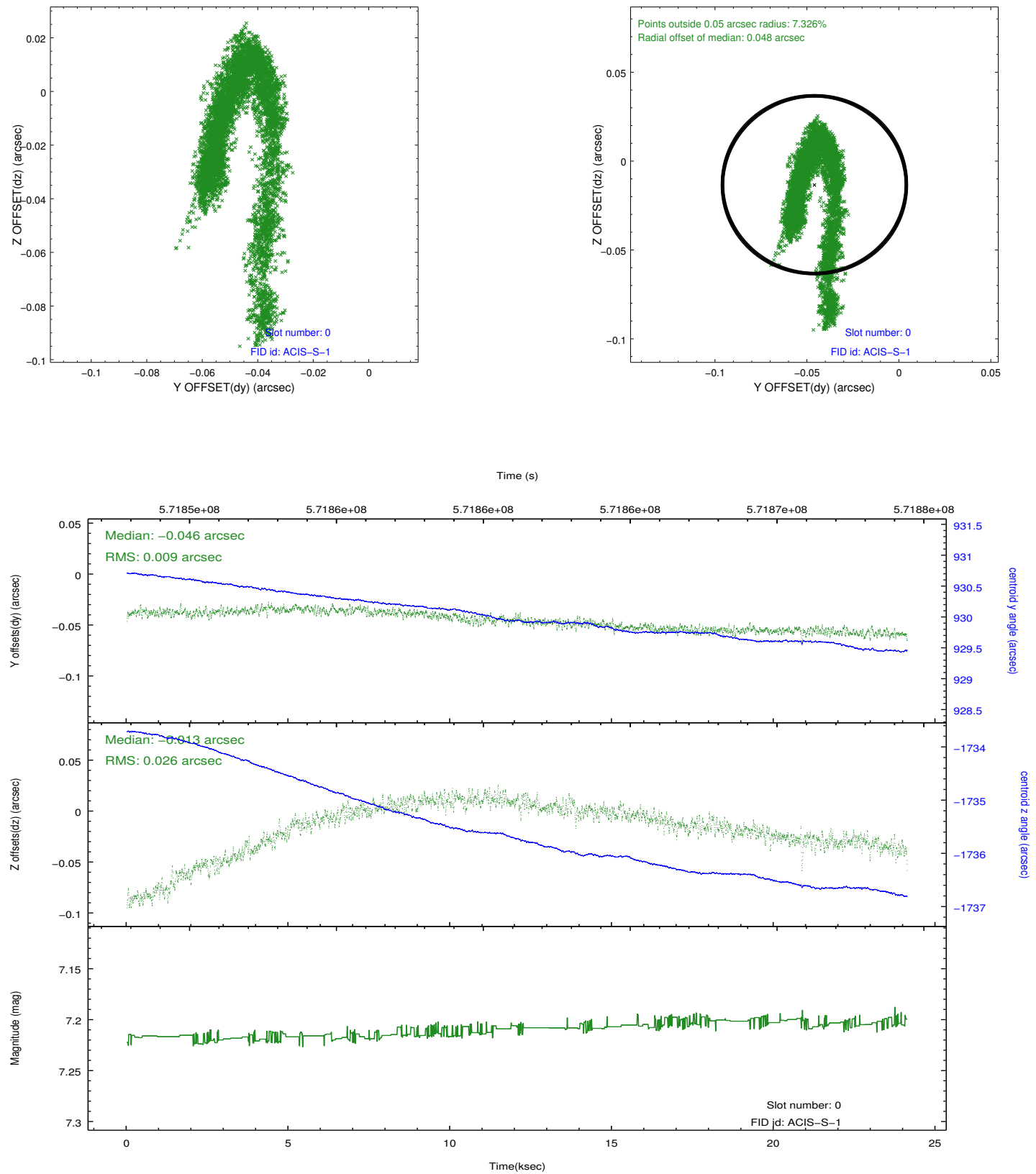


2.4.4 Slot 7

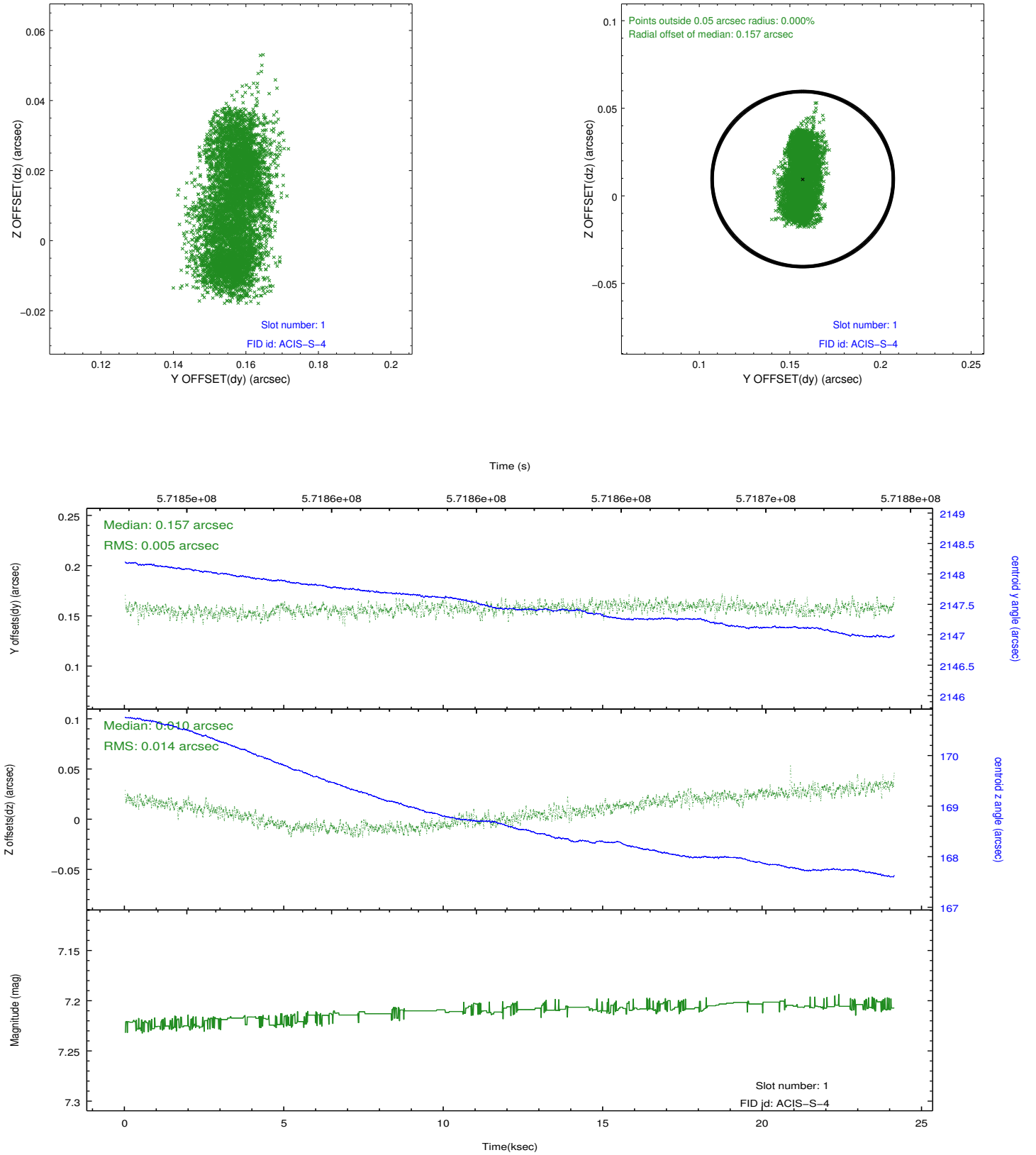


2.5 FID Slots

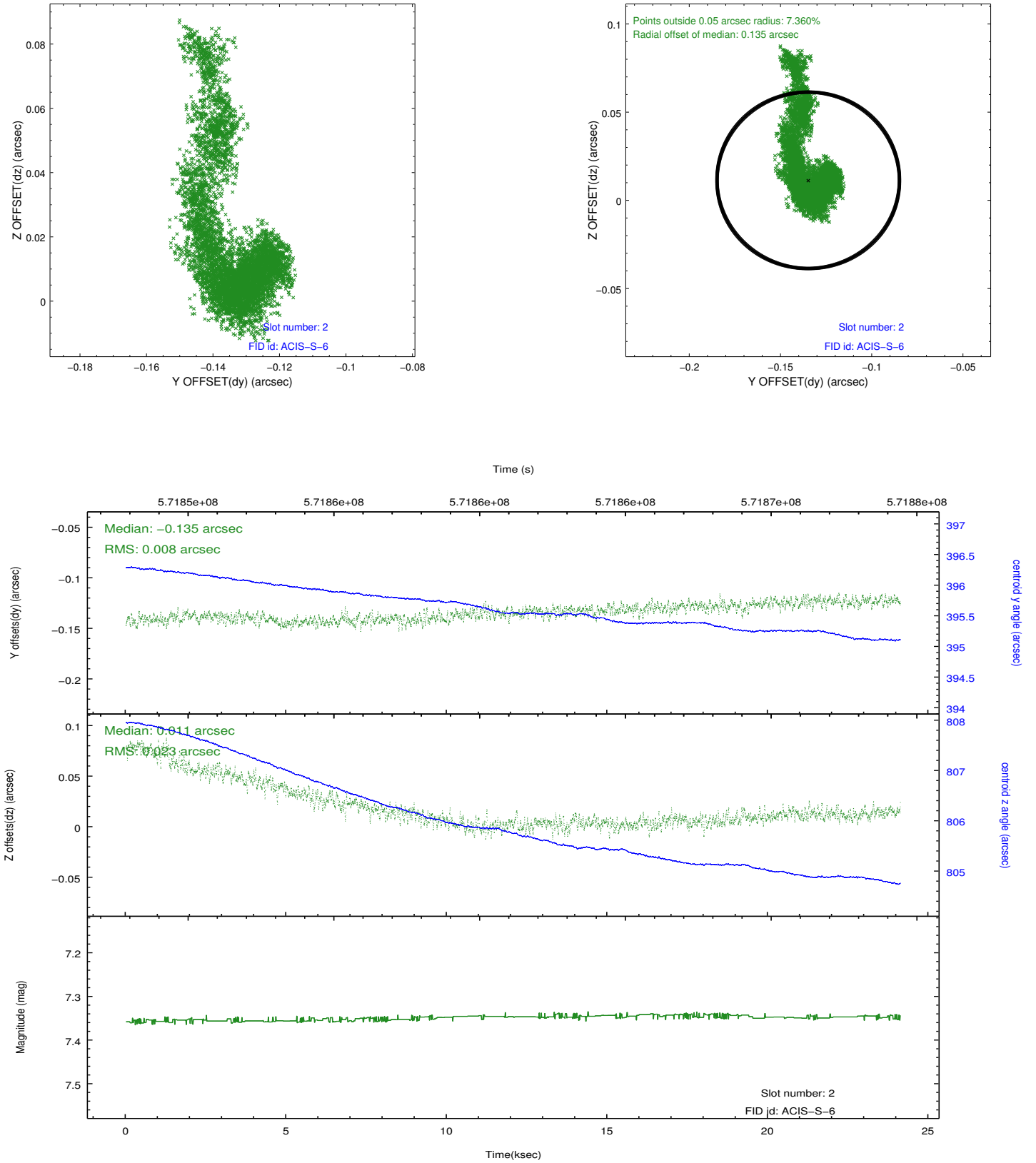
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.02.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.02476947546

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 star from the solution.