

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18055 - L2 Version 1
Chandra X-Ray Center

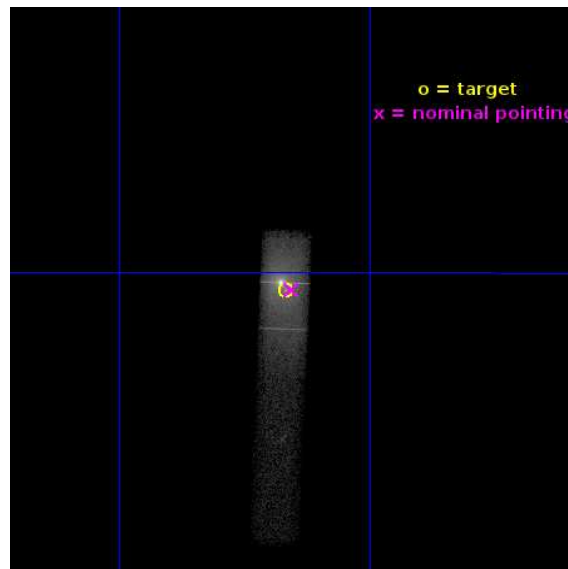
L2 Processing Date : Feb 13 2016

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1 Front

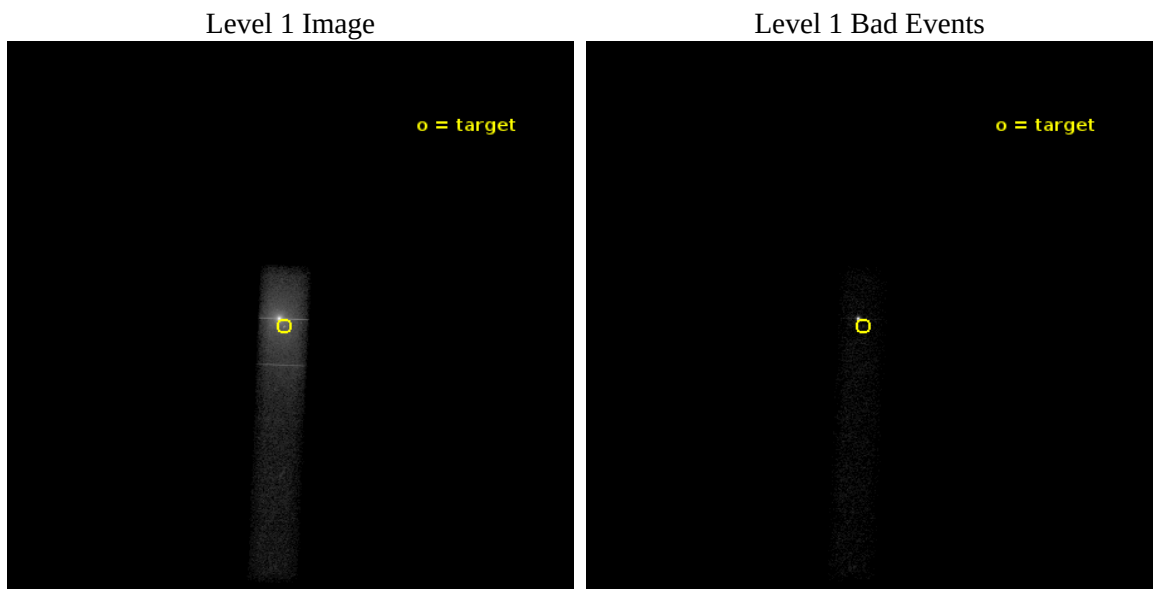
seq_num	601237	Sequence number
obs_id	18055	Observation id
title	Chandra Monitoring of Magnetar SGR J1745-2900, Sgr A* and Dusty Object G2	Proposal title
observer	Dr. Gordon Garmire	Principal investigator
object	SgrA*	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007833	Observer's specified target Dec [deg]
ra_nom	266.41391232825	Nominal RA [deg]
dec_nom	-29.007745562947	Nominal Dec [deg]
roll_nom	92.32050729672	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25069.598505616	Sum of GTIs [s]
livetime	22736.802562685	Livetime [s]
ontime7	25069.598505616	Sum of GTIs [s]
l2events	136018	Number of level 2 events



2 OBI

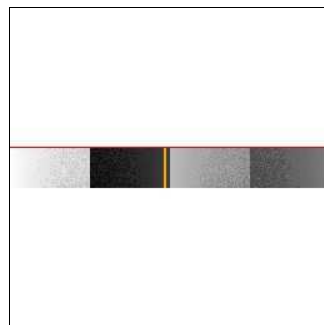
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	25069.598505616	Sum of GTIs [s]
caldsver	4.7.0	 	ontime7	25069.598505616	Sum of GTIs [s]
date	2016-02-14T01:55:35	Date and time of file creation	l1events	174251	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

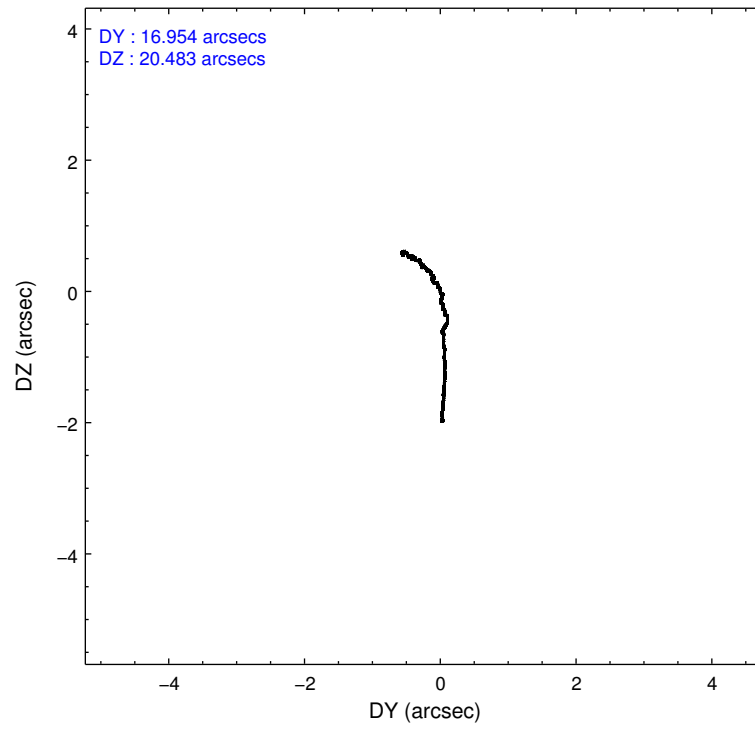
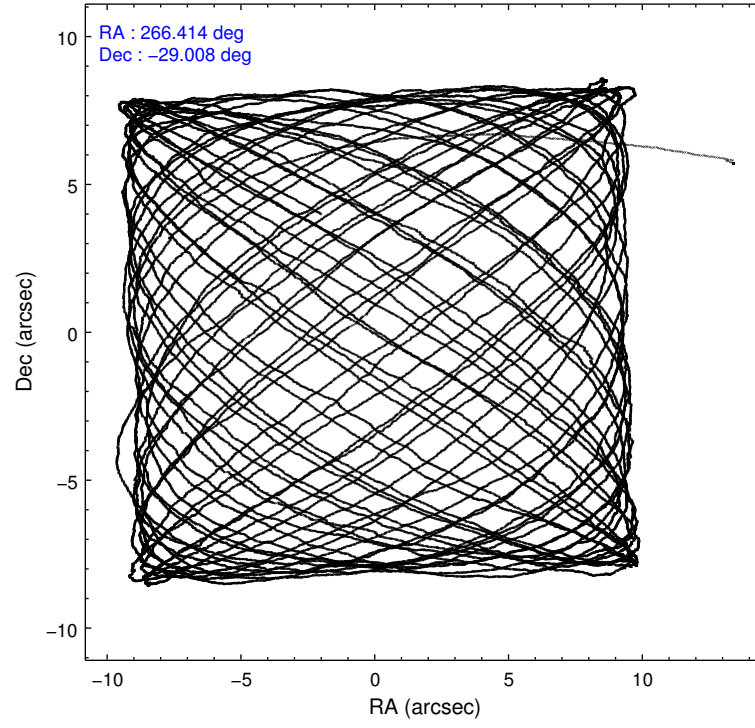
	ccd 7
level 1 events	174251
rejected events	37363
rejected %	21%

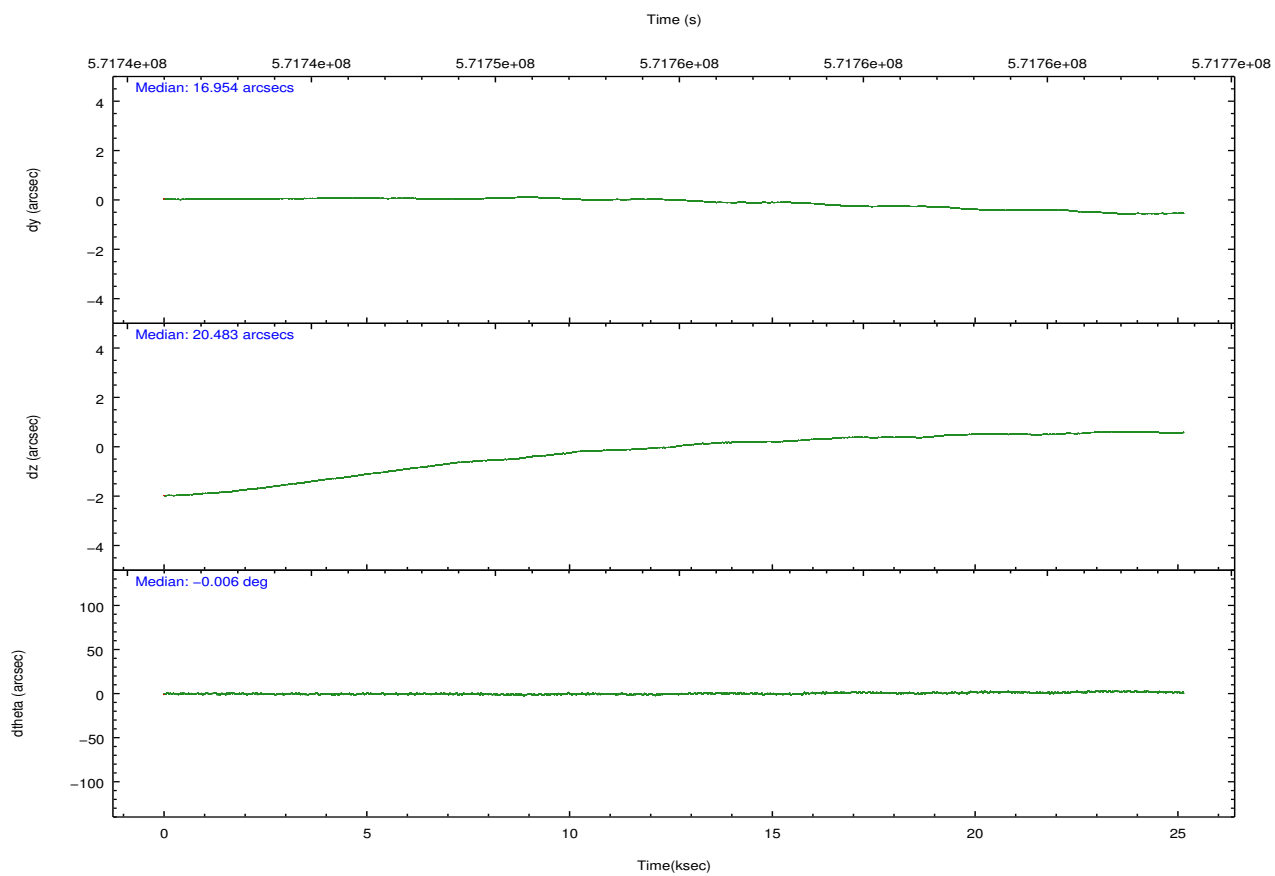
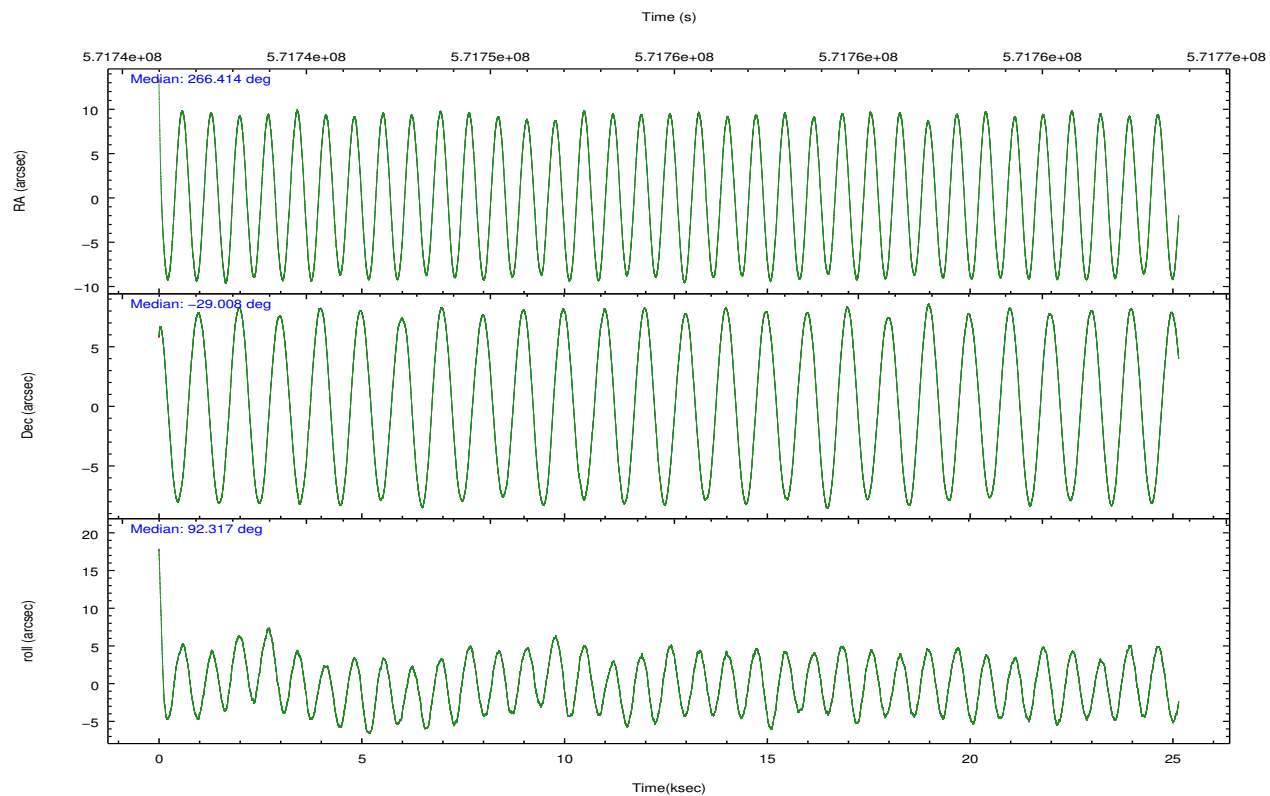
	ccd 7
grade 0 events	21462
	12%
grade 1 events	1307
	0%
grade 2 events	30743
	17%
grade 3 events	14007
	8%
grade 4 events	13966
	8%
grade 5 events	9585
	5%
grade 6 events	56718
	32%
grade 7 events	26463
	15%

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	266.431059	266.4139123282548	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-29.030749	-29.00774556294724	Subarray start row	449	449
[deg] Pointing Roll	92.172195	92.32050729671998	Subarray row count	128	128
[s] Window start time (MET)	571363268.184000	571363268.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	575769668.184000	575769668.184000	[s] Primary exposure time	0.000000	0.4
[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)	571742415.184000	571741163.24019			
Observation start date	2016-02-13T09:19:07	2016-02-13T08:59:23			
[s] Observation end time (MET)	571767415.184000	571767960.84171			
Observation end date	2016-02-13T16:15:47	2016-02-13T16:26:00			
Read mode	TIMED	TIMED			

2.3 Aspect



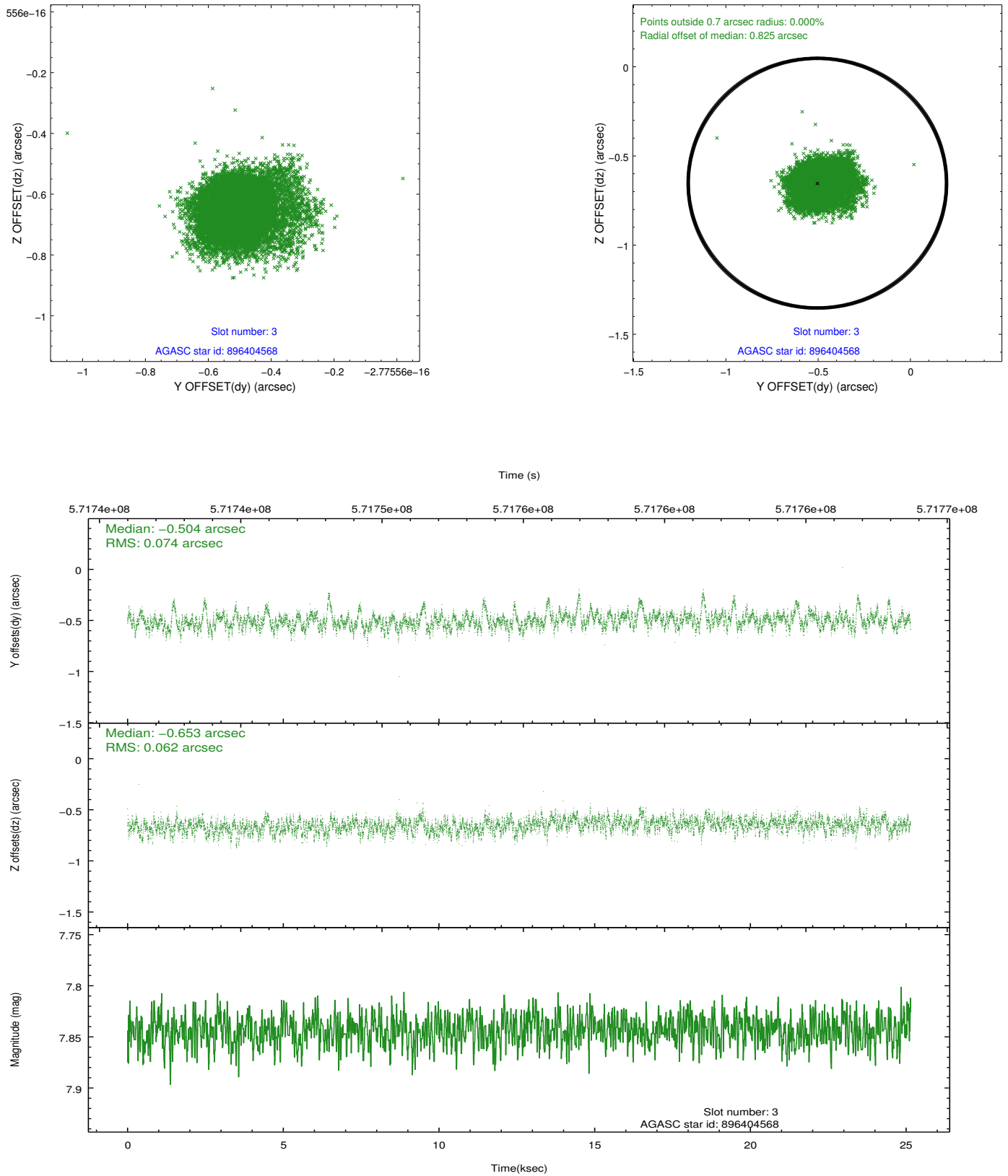


Slot Statistics

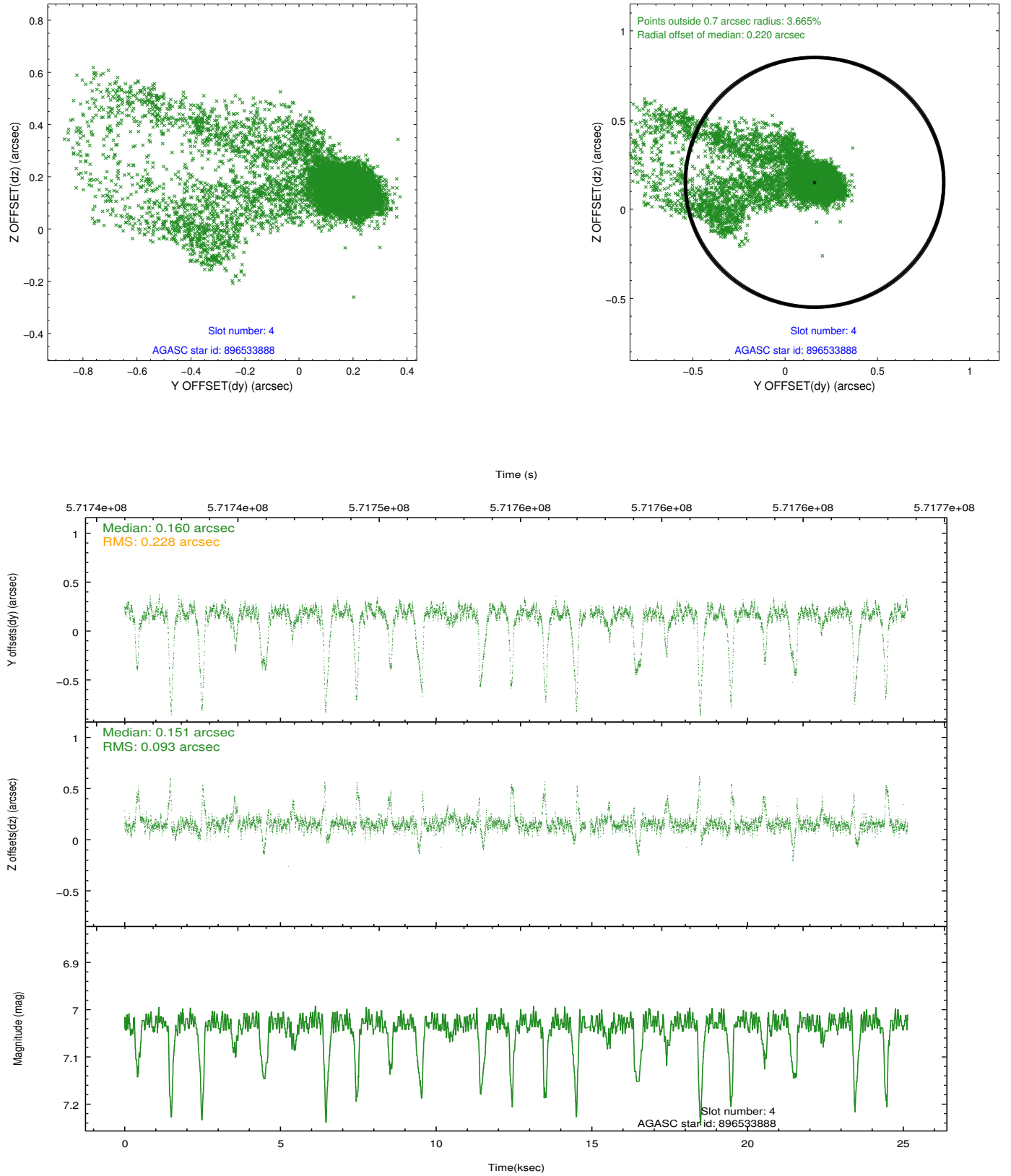
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.20	6134	-0.062	-0.121	0.022	0.086	0.000000	0.000000	926.15	-1737.46
1	FID		ACIS-S-4	7.22	6133	0.181	0.056	0.012	0.040	0.000000	0.000000	2143.83	166.74
2	FID		ACIS-S-6	7.36	6134	-0.141	0.074	0.019	0.047	0.000000	0.000000	392.12	804.23
3	GUIDE	used	896404568	7.84	12266	-0.504	-0.653	0.098	0.179	265.687293	-28.431080	2238.70	2271.10
4	GUIDE	used	896533888	7.03	12197	0.160	0.151	0.103	0.615	266.666434	-29.392757	-1330.54	-687.99
5	GUIDE	used	896537176	8.02	12264	-0.171	-0.051	0.123	0.233	266.498272	-28.678259	1259.83	-260.15
6	GUIDE	used	896537776	7.53	12265	0.456	0.167	0.106	0.179	266.655684	-29.665673	-2310.65	-615.45
7	GUIDE	used	896538208	7.97	12265	0.095	0.379	0.079	0.134	267.176969	-28.671626	1195.46	-2402.56

2.4 Star Slots

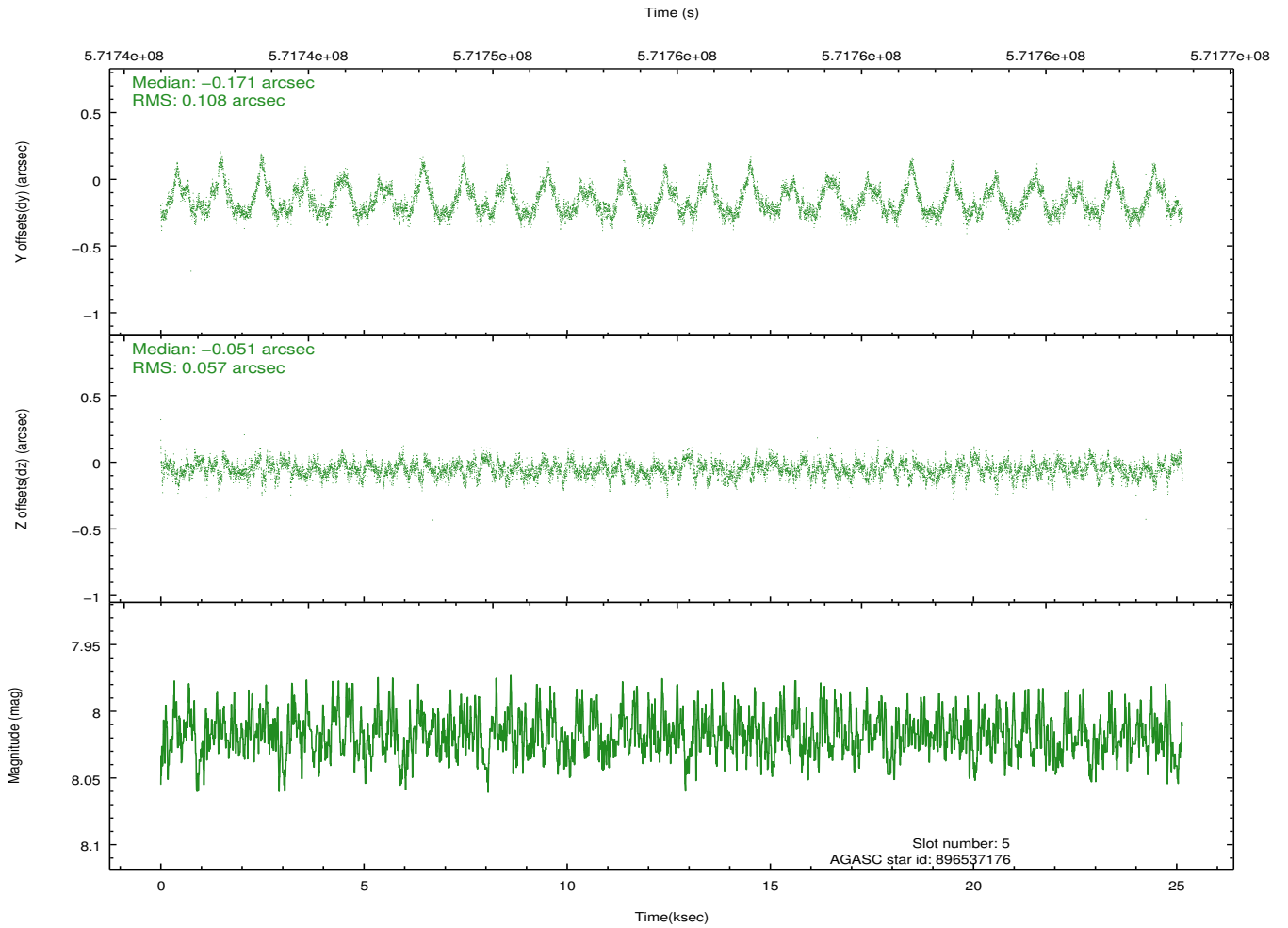
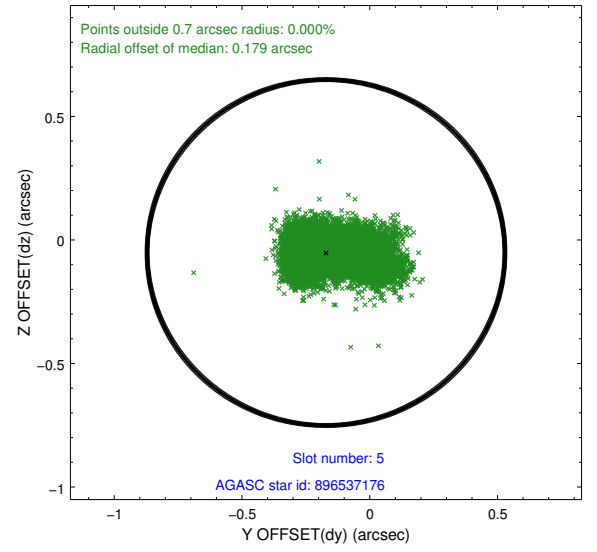
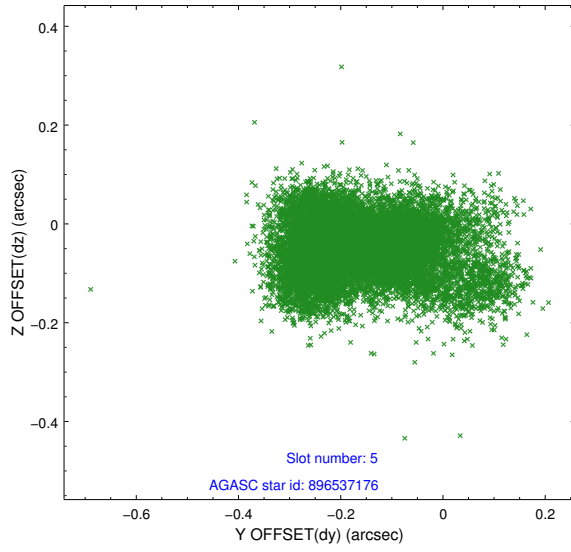
2.4.1 Slot 3



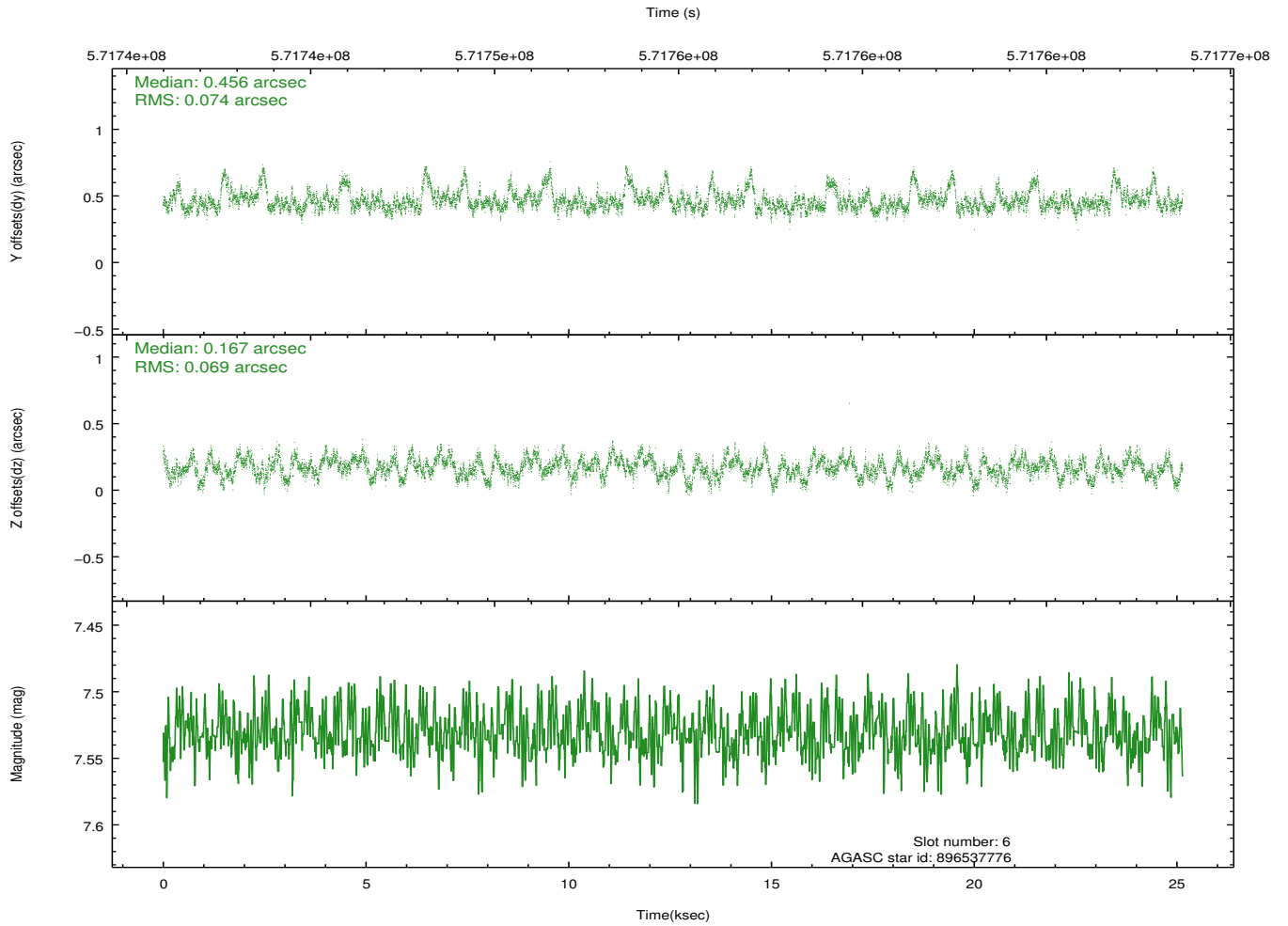
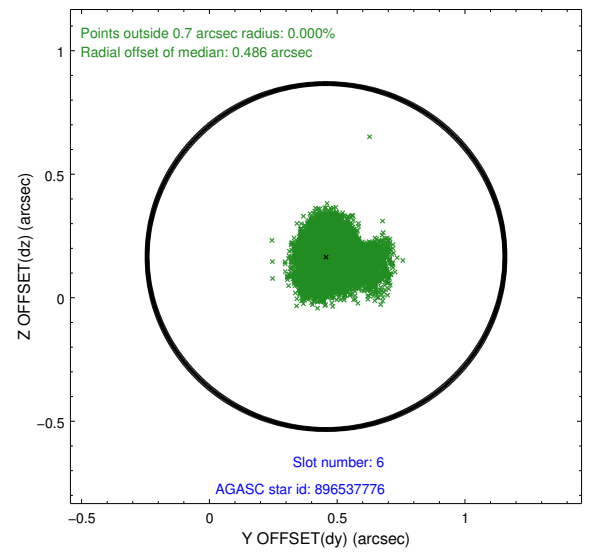
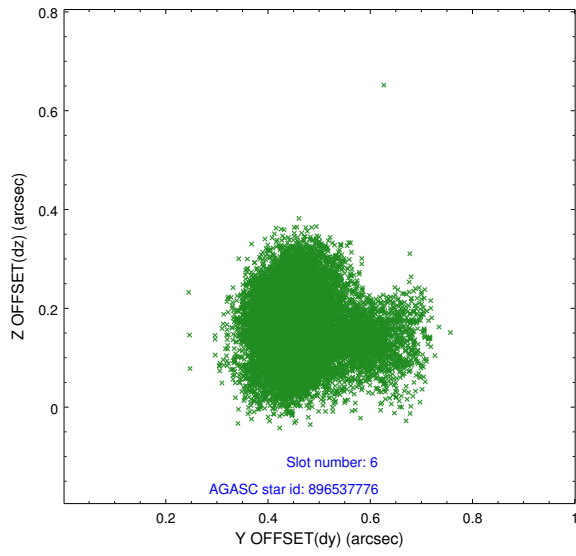
2.4.2 Slot 4



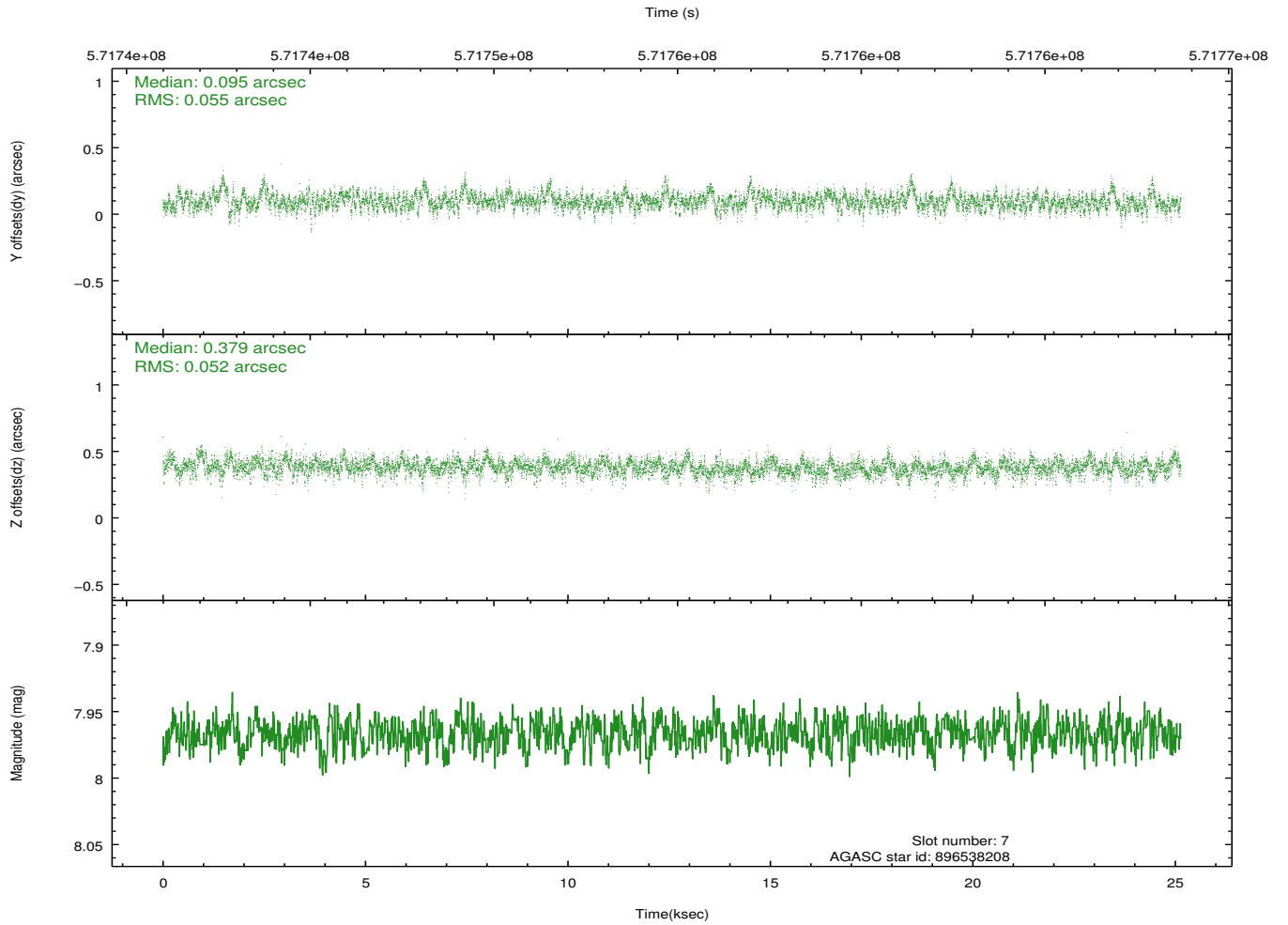
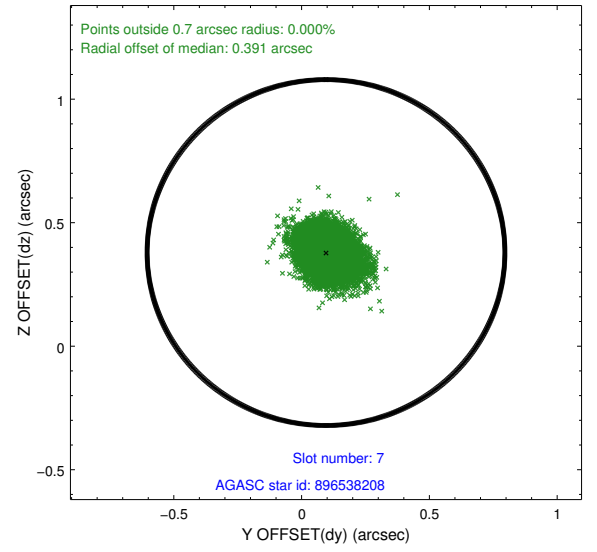
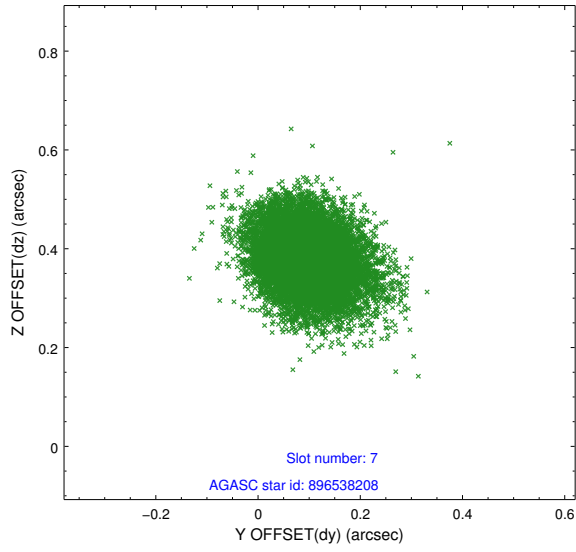
2.4.3 Slot 5



2.4.4 Slot 6

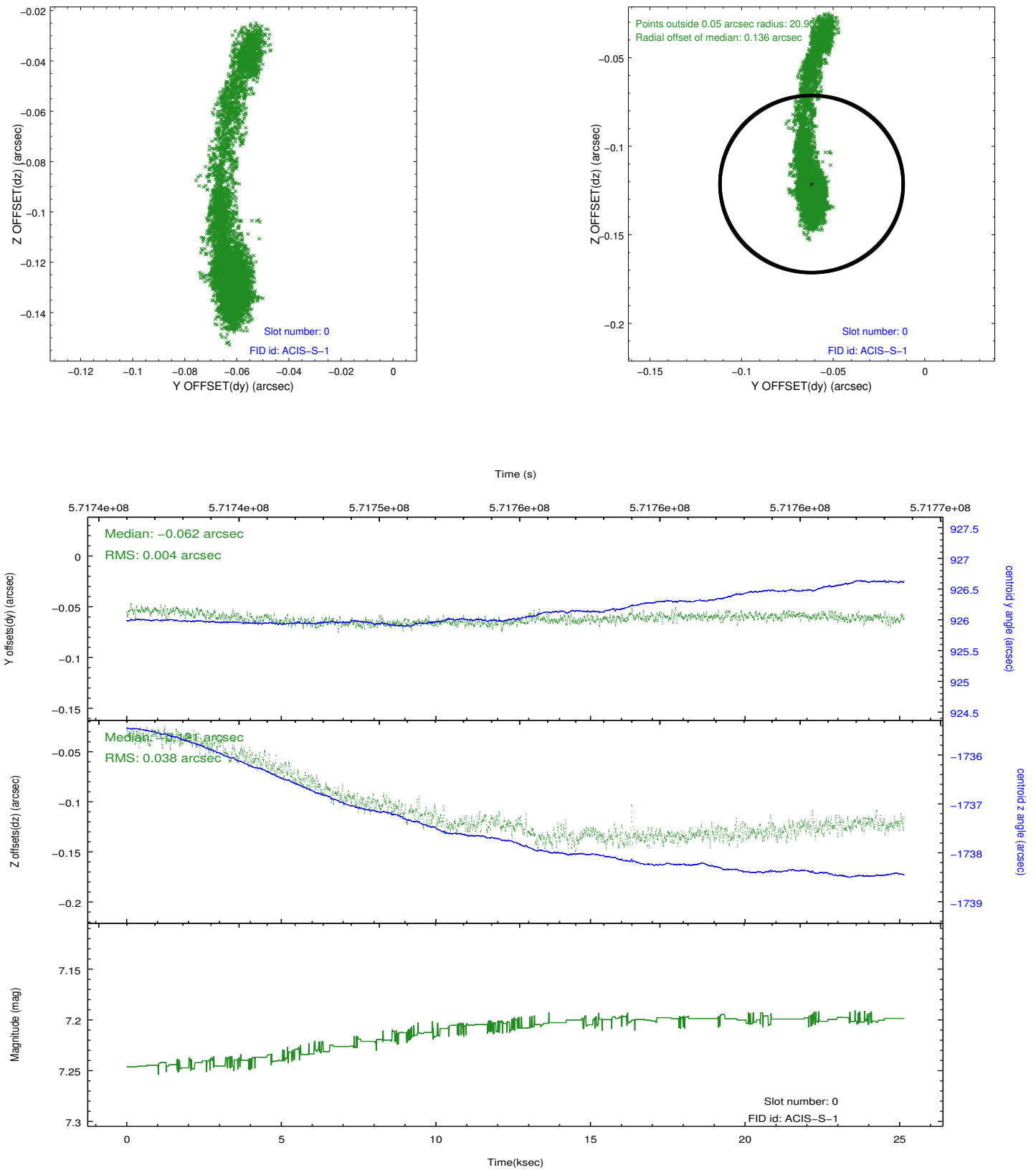


2.4.5 Slot 7

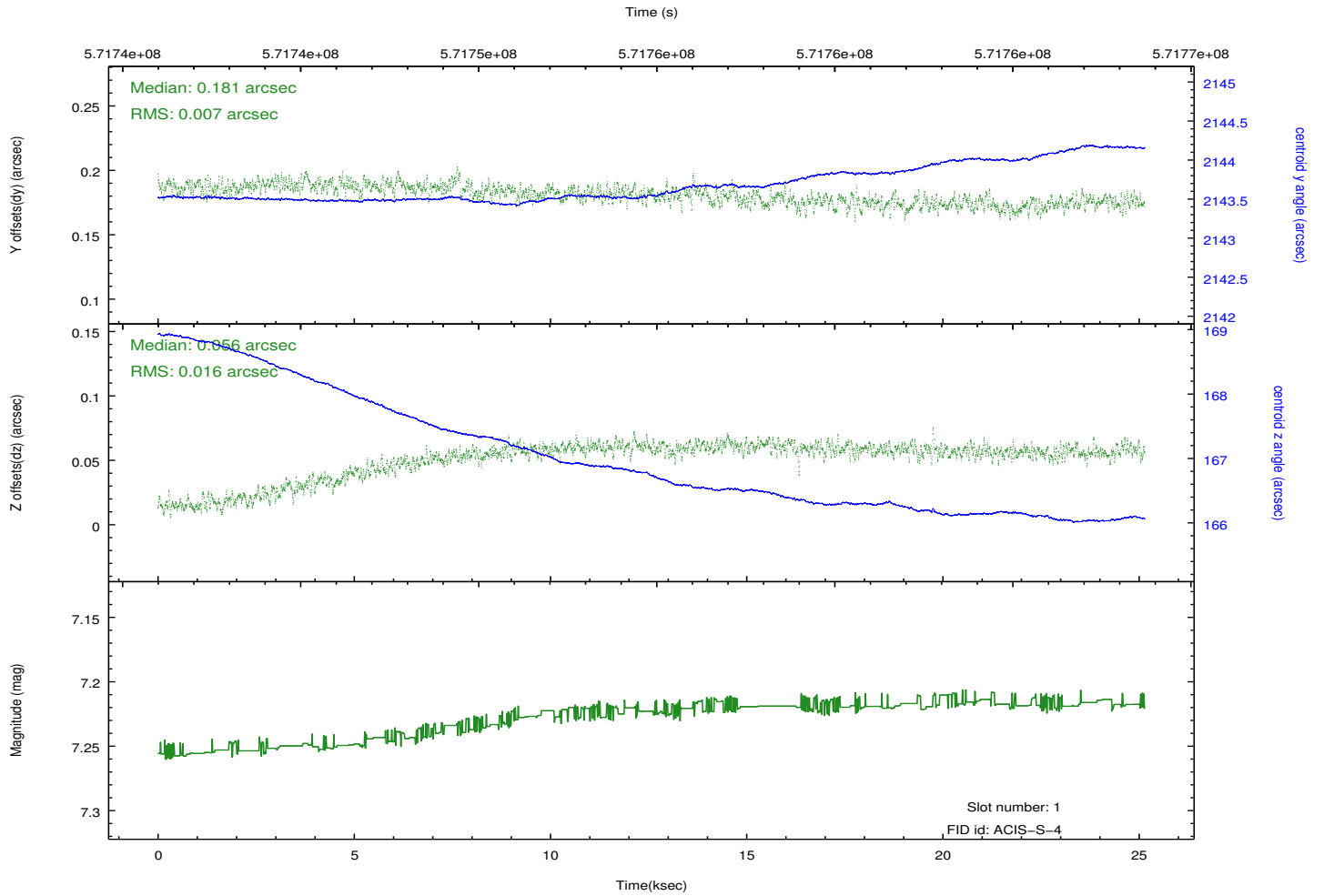
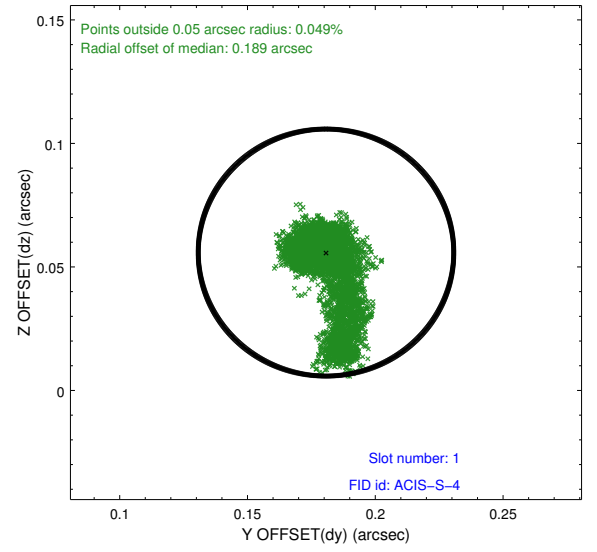
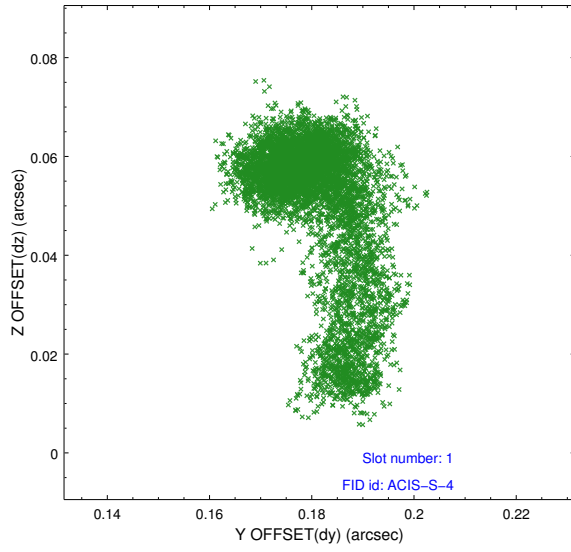


2.5 FID Slots

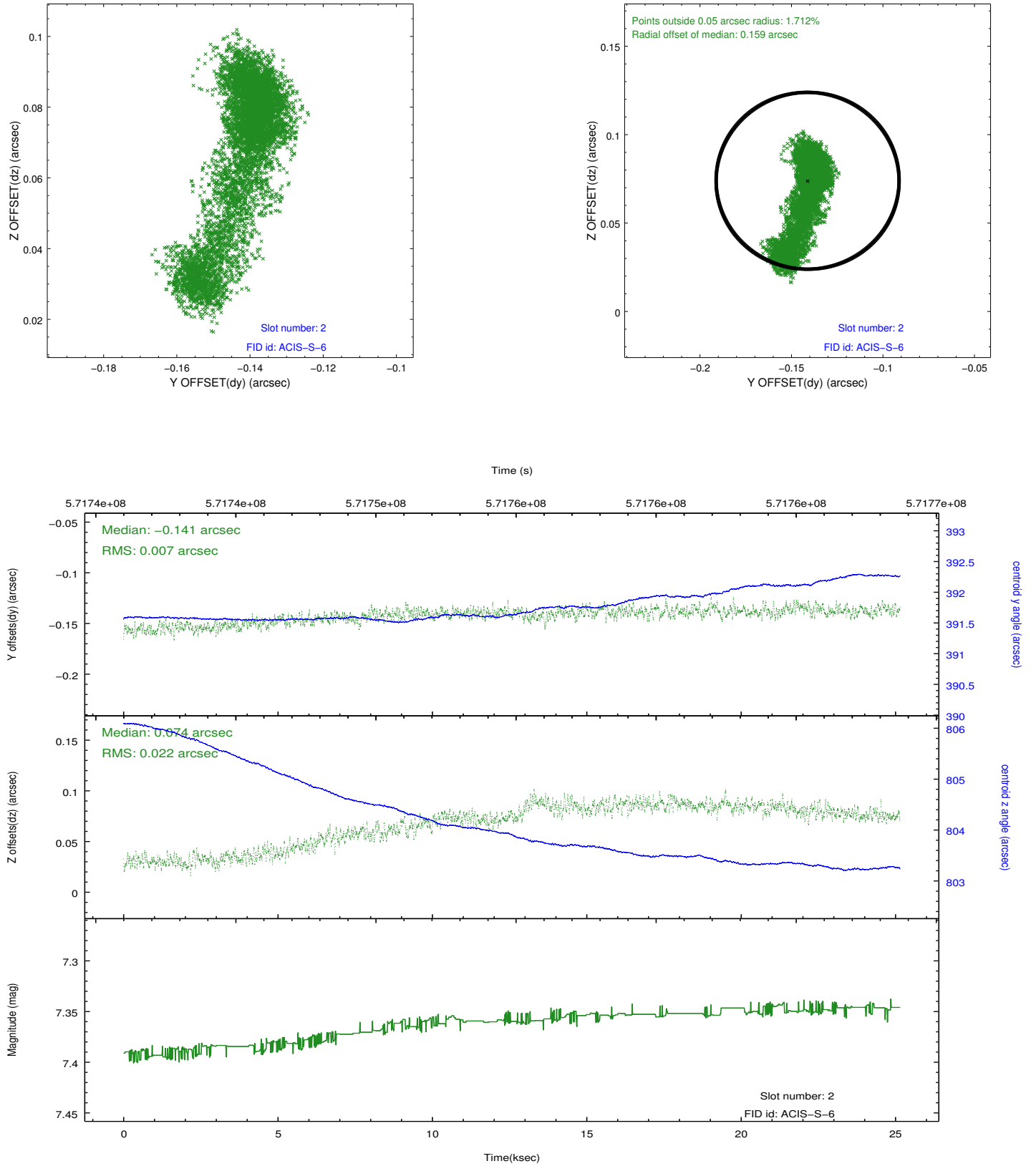
2.5.1 Slot 0



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)	2016.02.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.069598505616

A.2 Comments

Window preference met.