

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 18131 - L2 Version 1
Chandra X-Ray Center

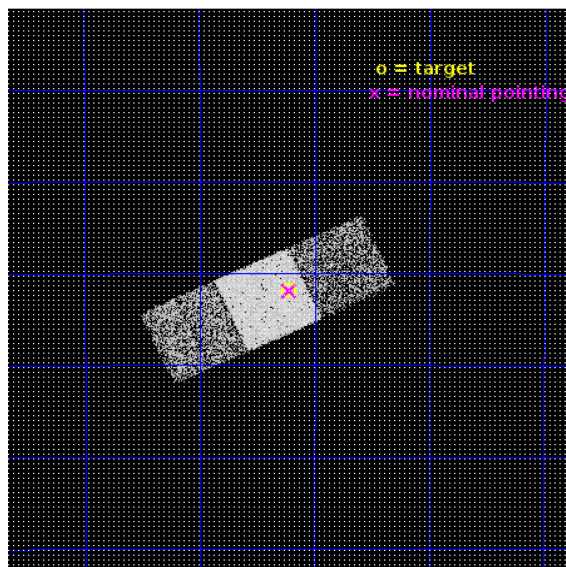
L2 Processing Date : Jun 25 2016

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1 Front

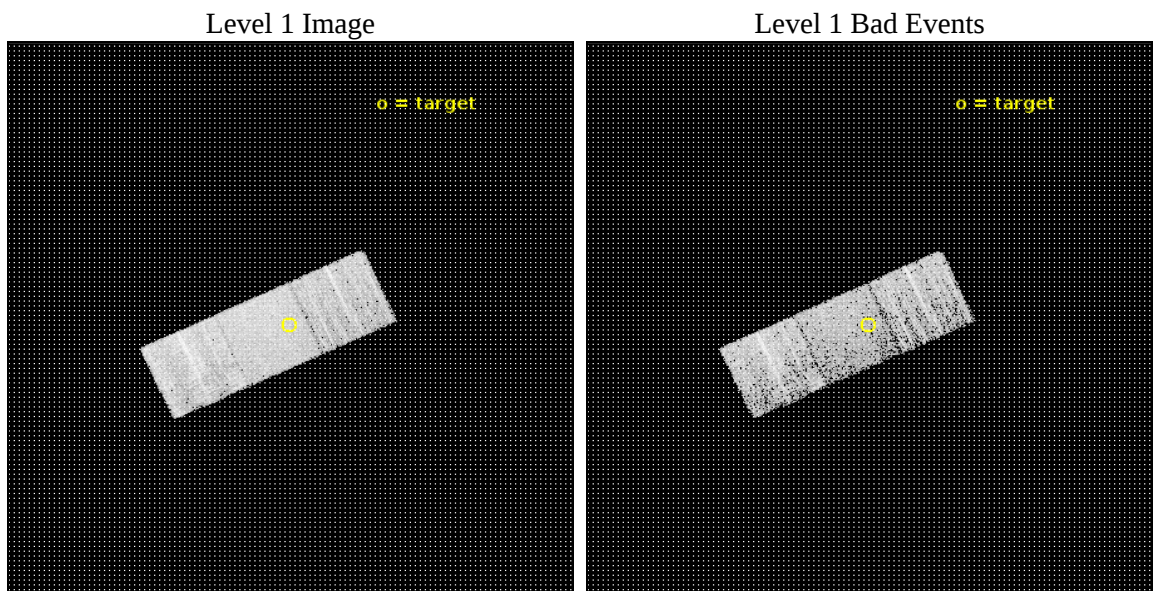
seq_num	703197	Sequence number
obs_id	18131	Observation id
title	X-RAYING FORNAX	Proposal title
observer	Elena Gallo	Principal investigator
object	fcc310	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	56.557083	Observer's specified target RA [deg]
dec_targ	-36.696333	Observer's specified target Dec [deg]
ra_nom	56.554739781857	Nominal RA [deg]
dec_nom	-36.698231677561	Nominal Dec [deg]
roll_nom	155.15521982269	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4913.4859474897	Sum of GTIs [s]
livetime	4849.2876363301	Livetime [s]
ontime6	4913.444907546	Sum of GTIs [s]
ontime7	4913.4859474897	Sum of GTIs [s]
ontime8	4913.4038674831	Sum of GTIs [s]
l2events	23449	Number of level 2 events



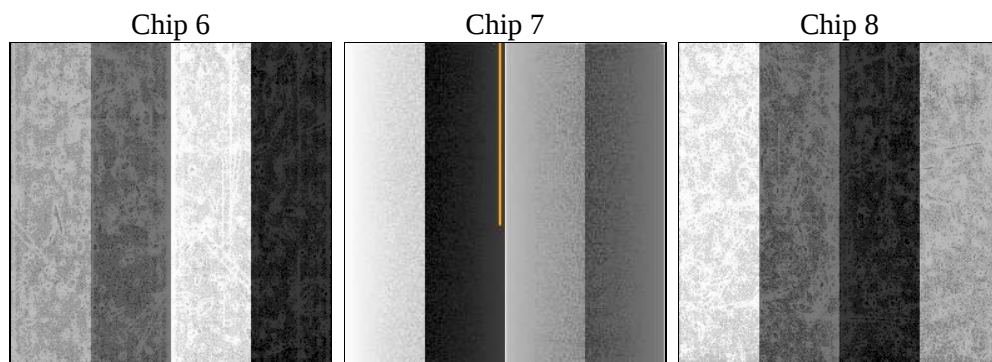
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4800.000000	[s] Scheduled observation exposure time
ascdsver	10.5	Processing system revision	ontime	4913.4859474897	Sum of GTIs [s]
caldbver	4.7.2	 	ontime6	4913.444907546	Sum of GTIs [s]
date	2016-06-25T15:54:41	Date and time of file creation	ontime7	4913.4859474897	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4913.4038674831	Sum of GTIs [s]
			l1events	110695	Number of level 1 events

2.1.4 Events

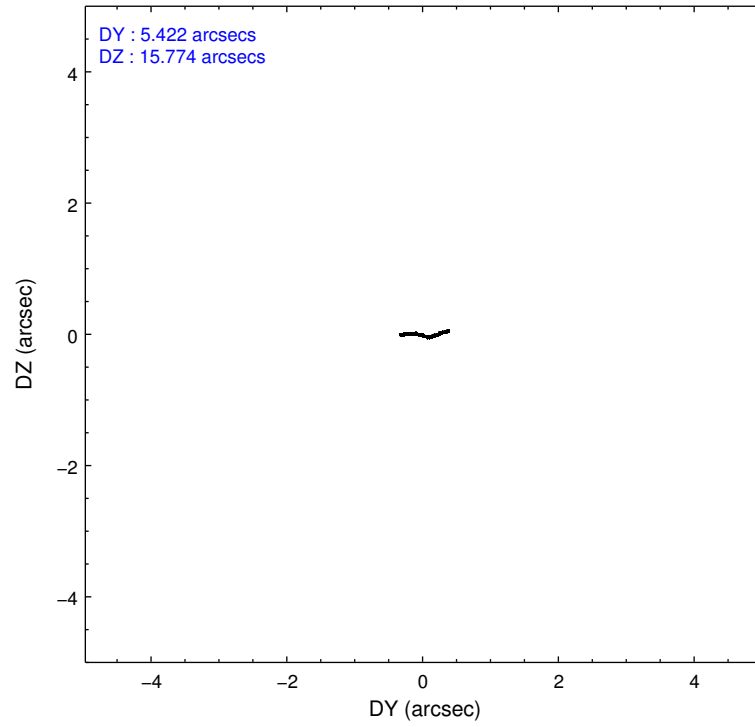
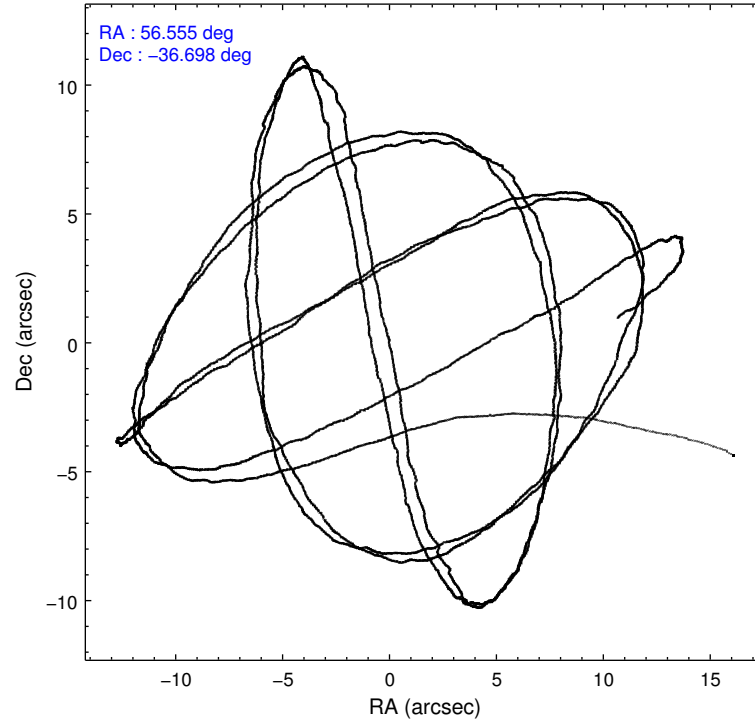
	ccd 6	ccd 7	ccd 8
level 1 events	30962	39006	40727
rejected events	27597	21906	29748
rejected %	89%	56%	73%

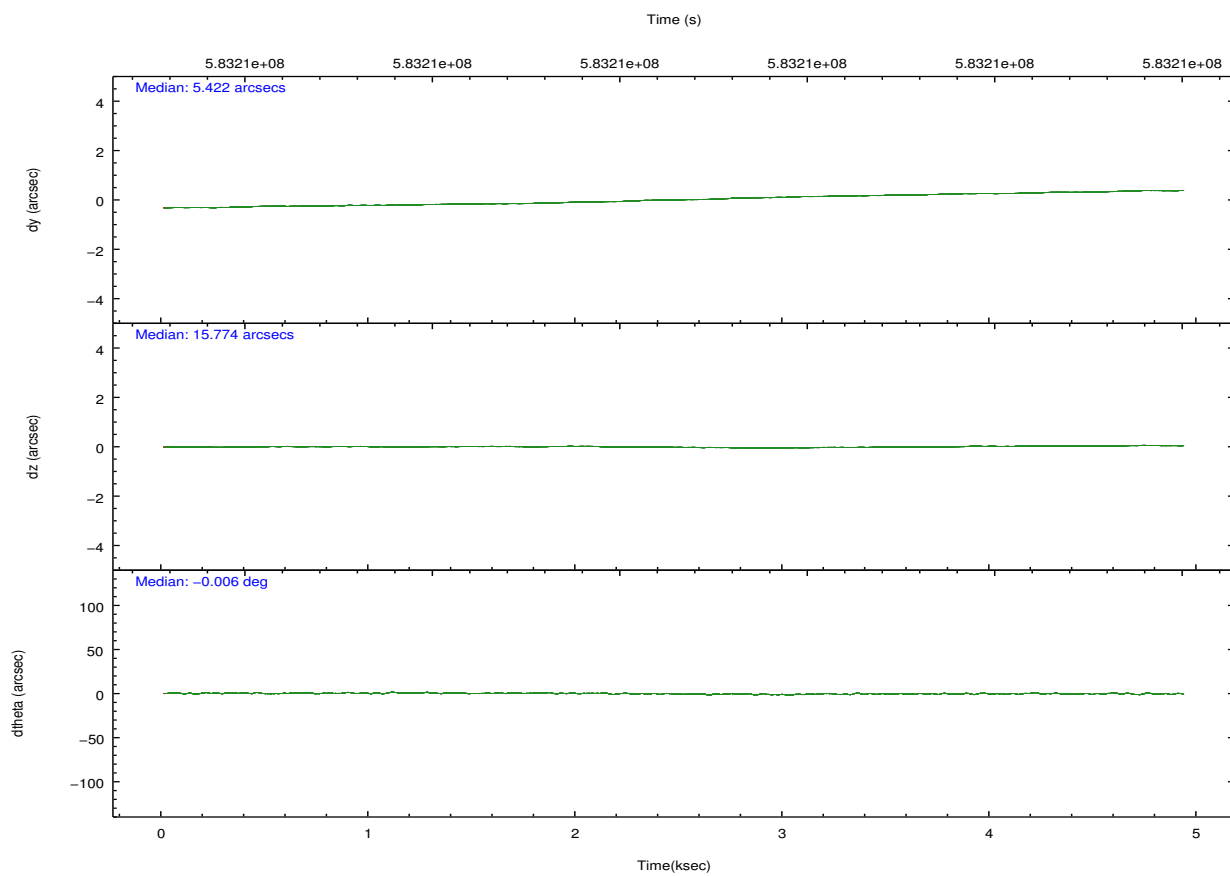
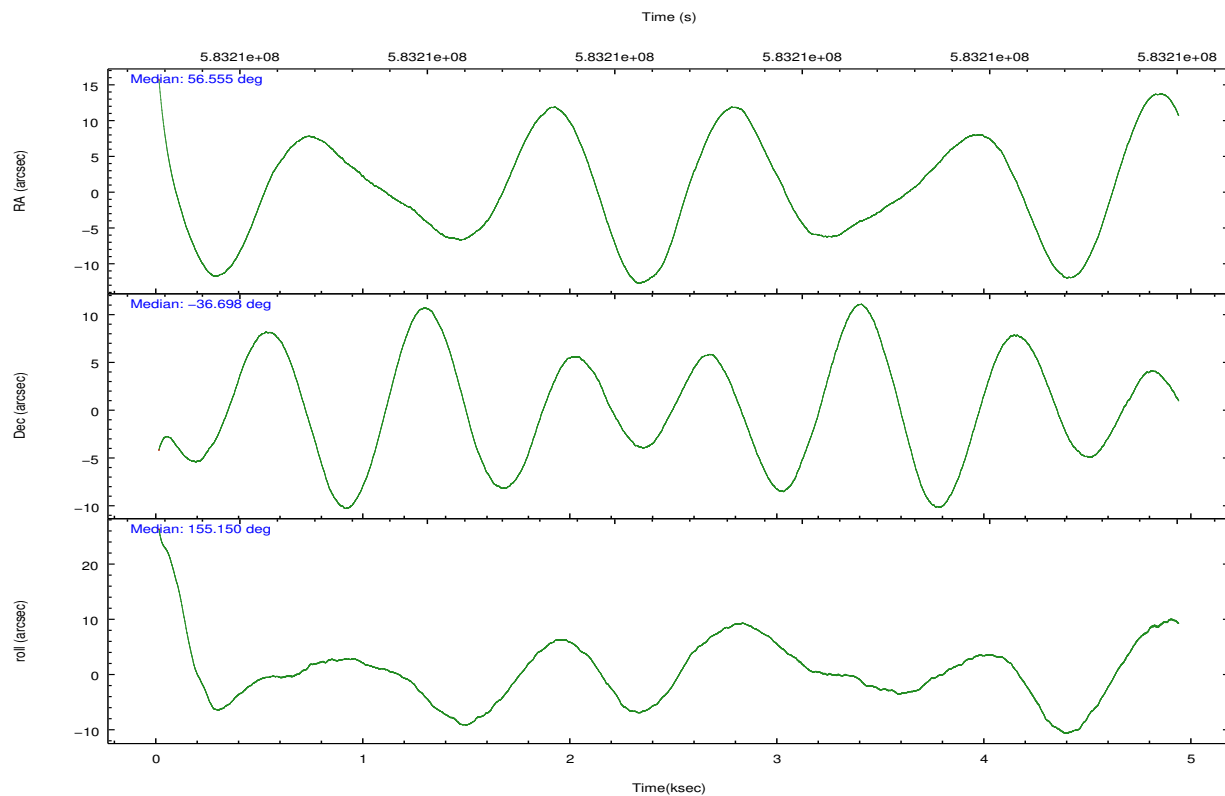
	ccd 6	ccd 7	ccd 8
grade 0 events	1100	1494	3277
	3%	3%	8%
grade 1 events	12	45	39
	0%	0%	0%
grade 2 events	778	3622	2707
	2%	9%	6%
grade 3 events	359	1388	1119
	1%	3%	2%
grade 4 events	362	1423	1011
	1%	3%	2%
grade 5 events	1506	3941	2228
	4%	10%	5%
grade 6 events	771	9192	2873
	2%	23%	7%
grade 7 events	26074	17901	27473
	84%	45%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	56.588801	56.55473978185658	CCD I2 on	N	N
[deg] Pointing Dec	-36.695398	-36.69823167756106	CCD I3 on	N	N
[deg] Pointing Roll	155.018951	155.1552198226938	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O1	Y
[s] Observation start time (MET)	583205965.184000	583204204.18074	CCD S5 on	N	N
Observation start date	2016-06-25T01:38:17	2016-06-25T01:10:04	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	583210765.184000	583211859.39368	On-chip summing requested	N	N
Observation end date	2016-06-25T02:58:17	2016-06-25T03:17:39	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



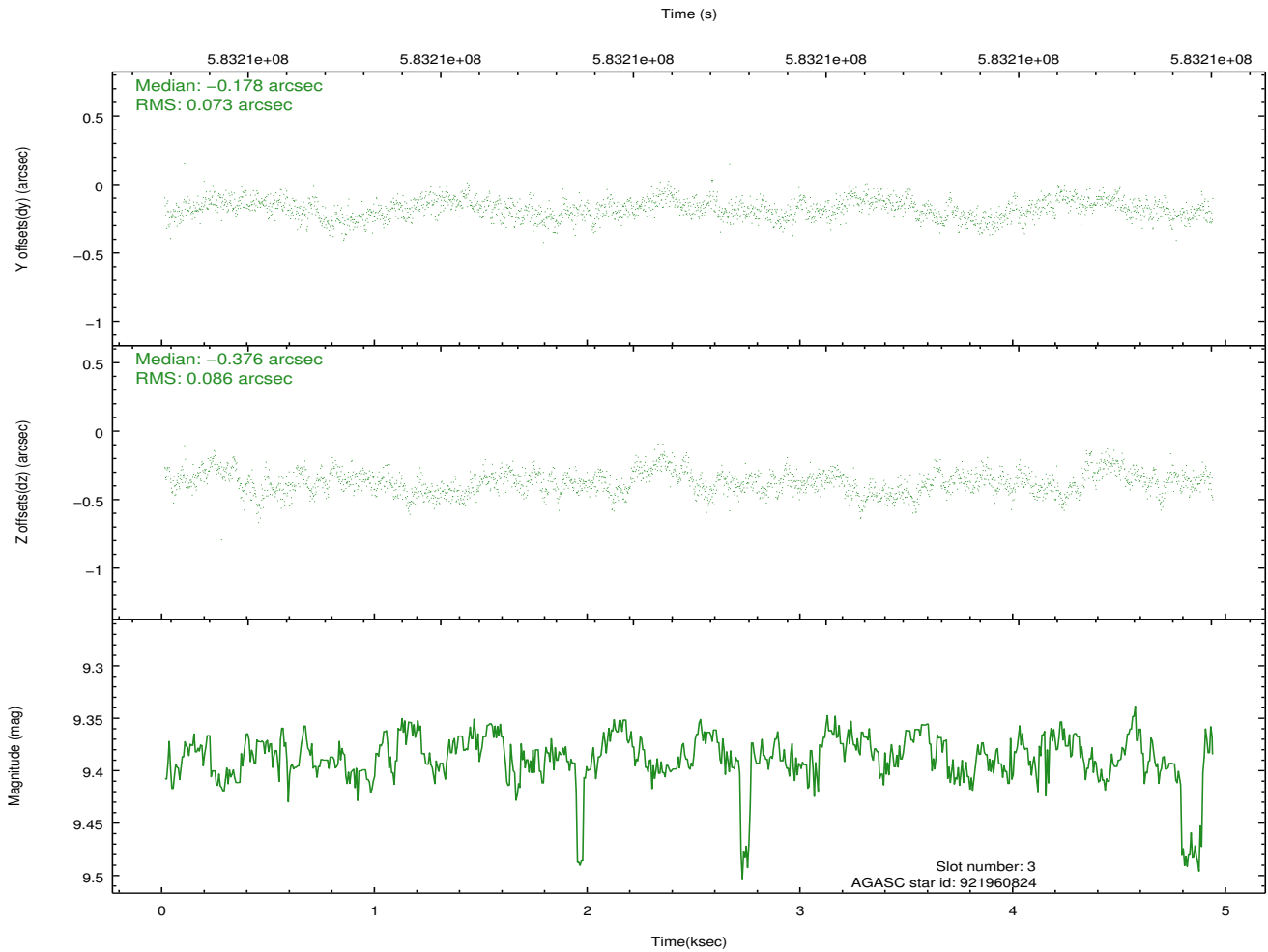
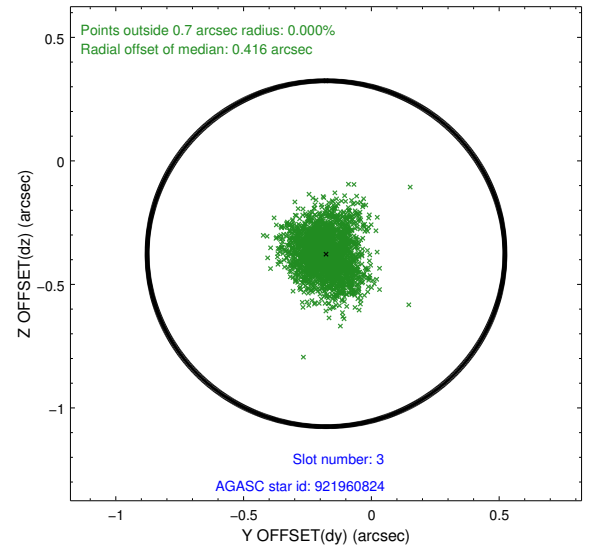
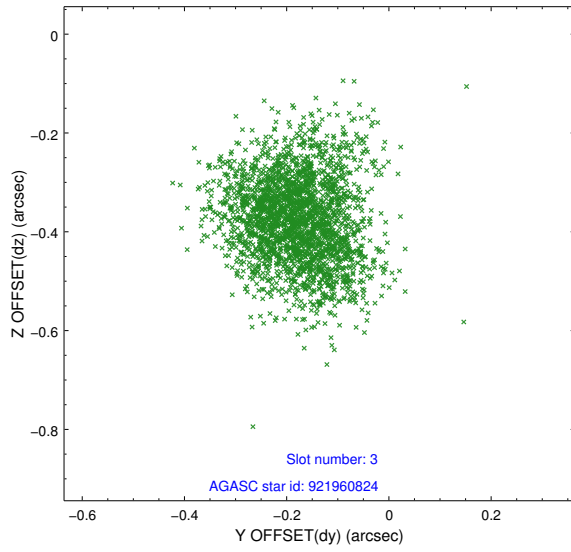


Slot Statistics

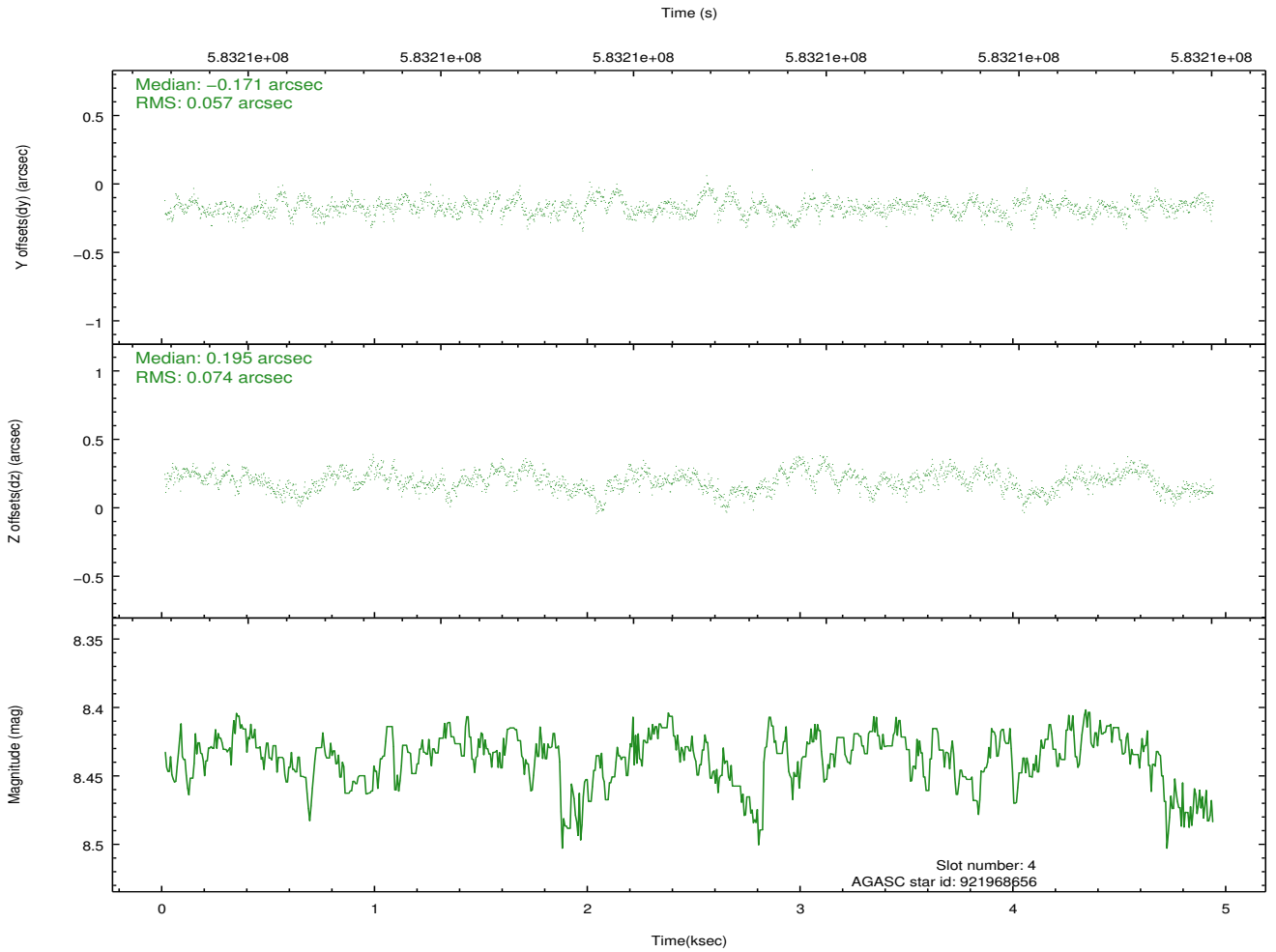
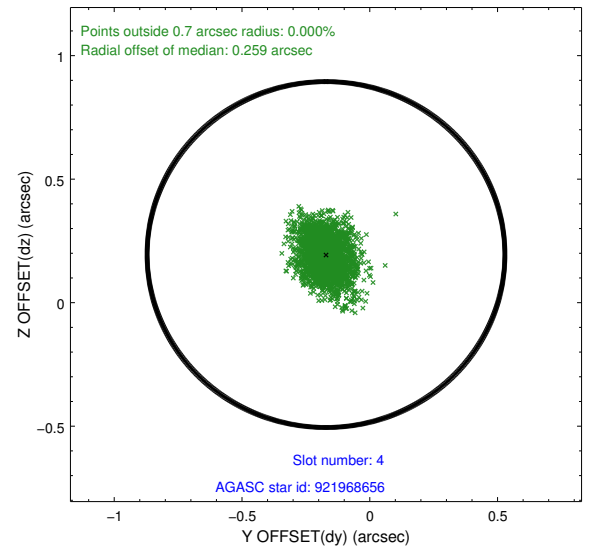
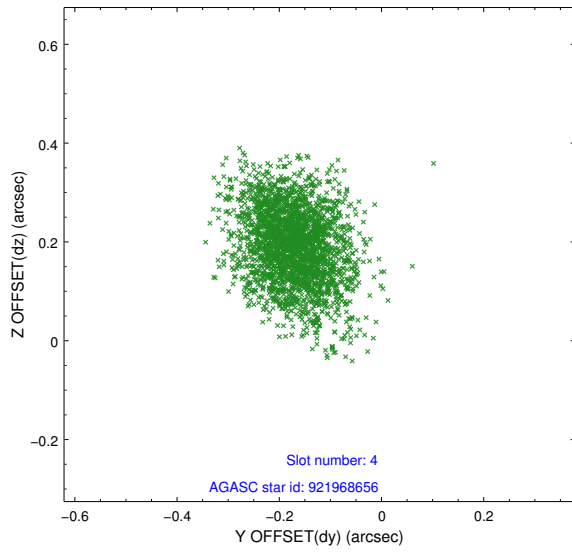
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-4	7.21	1202	0.200	-0.004	0.006	0.011	0.000000	0.000000	2155.40	171.59
1	FID		ACIS-S-5	7.24	1202	-0.223	-0.002	0.010	0.015	0.000000	0.000000	-1809.62	165.09
2	FID		ACIS-S-6	7.36	1202	-0.006	0.019	0.008	0.013	0.000000	0.000000	402.10	808.91
3	GUIDE	used	921960824	9.39	2401	-0.178	-0.376	0.119	0.194	55.921723	-36.889298	1442.02	1449.72
4	GUIDE	used	921968656	8.43	2403	-0.171	0.195	0.100	0.163	56.536543	-36.135468	990.00	-1761.81
5	GUIDE	used	921969640	8.33	2404	0.037	0.052	0.078	0.123	56.894983	-36.748690	-881.56	-198.11
6	GUIDE	used	921970120	9.36	2403	0.198	0.012	0.134	0.215	56.881132	-36.529560	-514.65	-896.97
7	GUIDE	used	921971032	6.73	2403	0.113	0.124	0.097	0.166	56.956735	-36.105785	-74.12	-2374.50

2.4 Star Slots

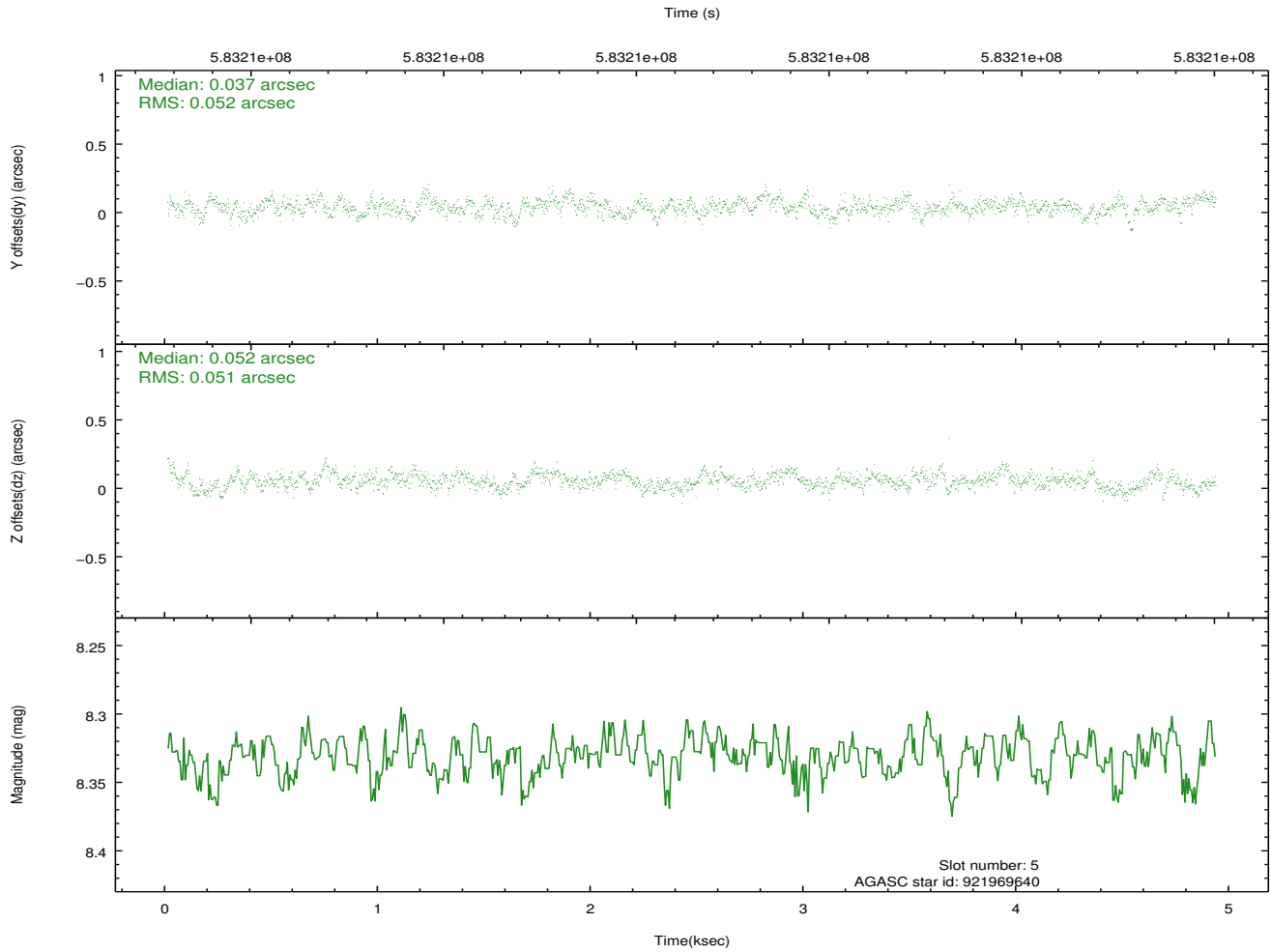
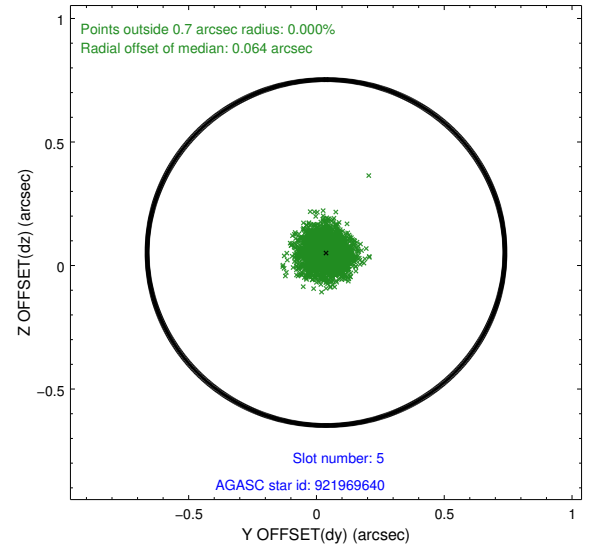
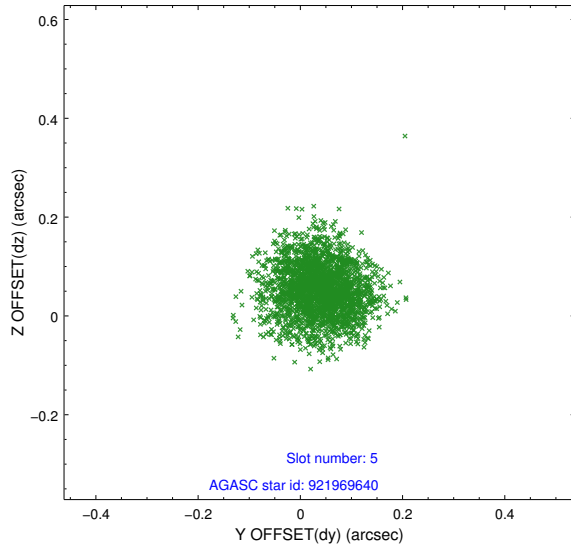
2.4.1 Slot 3



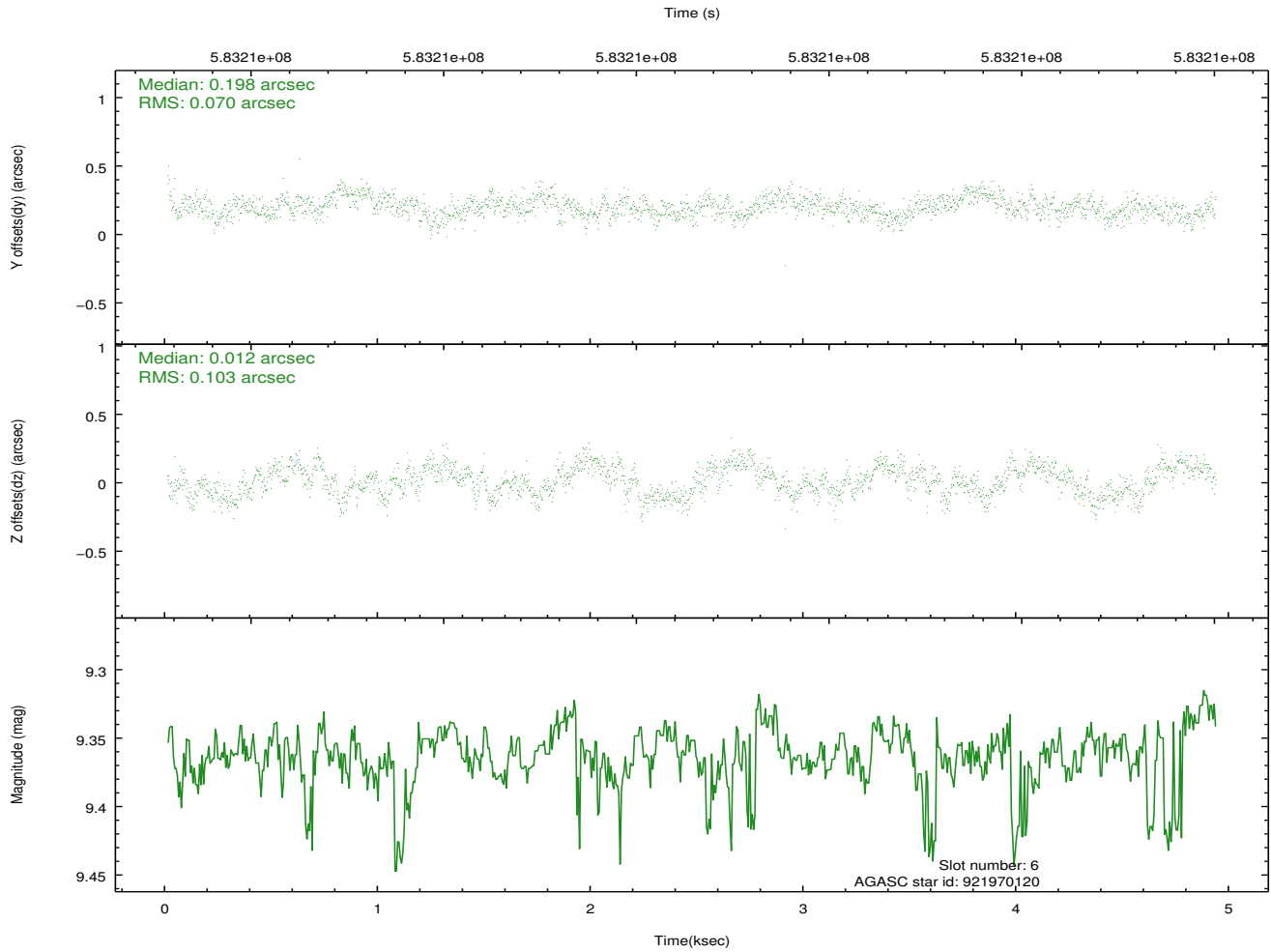
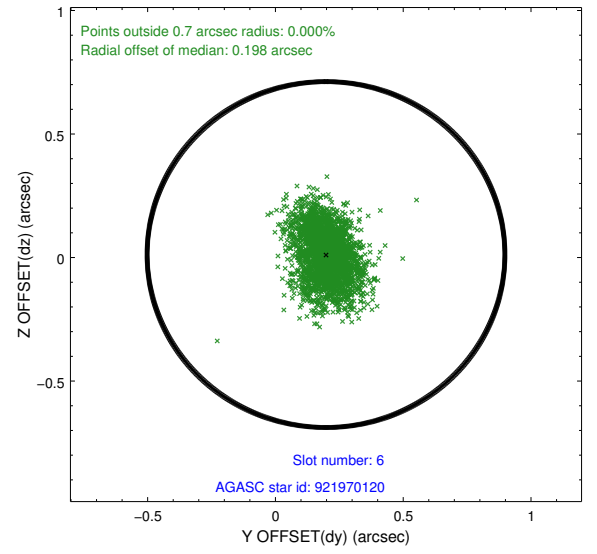
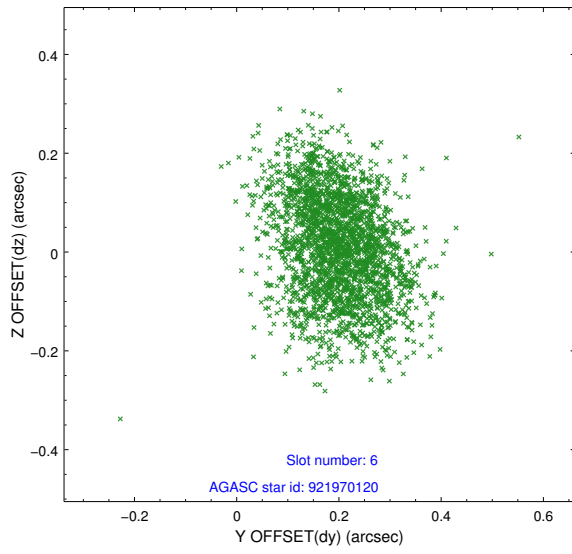
2.4.2 Slot 4



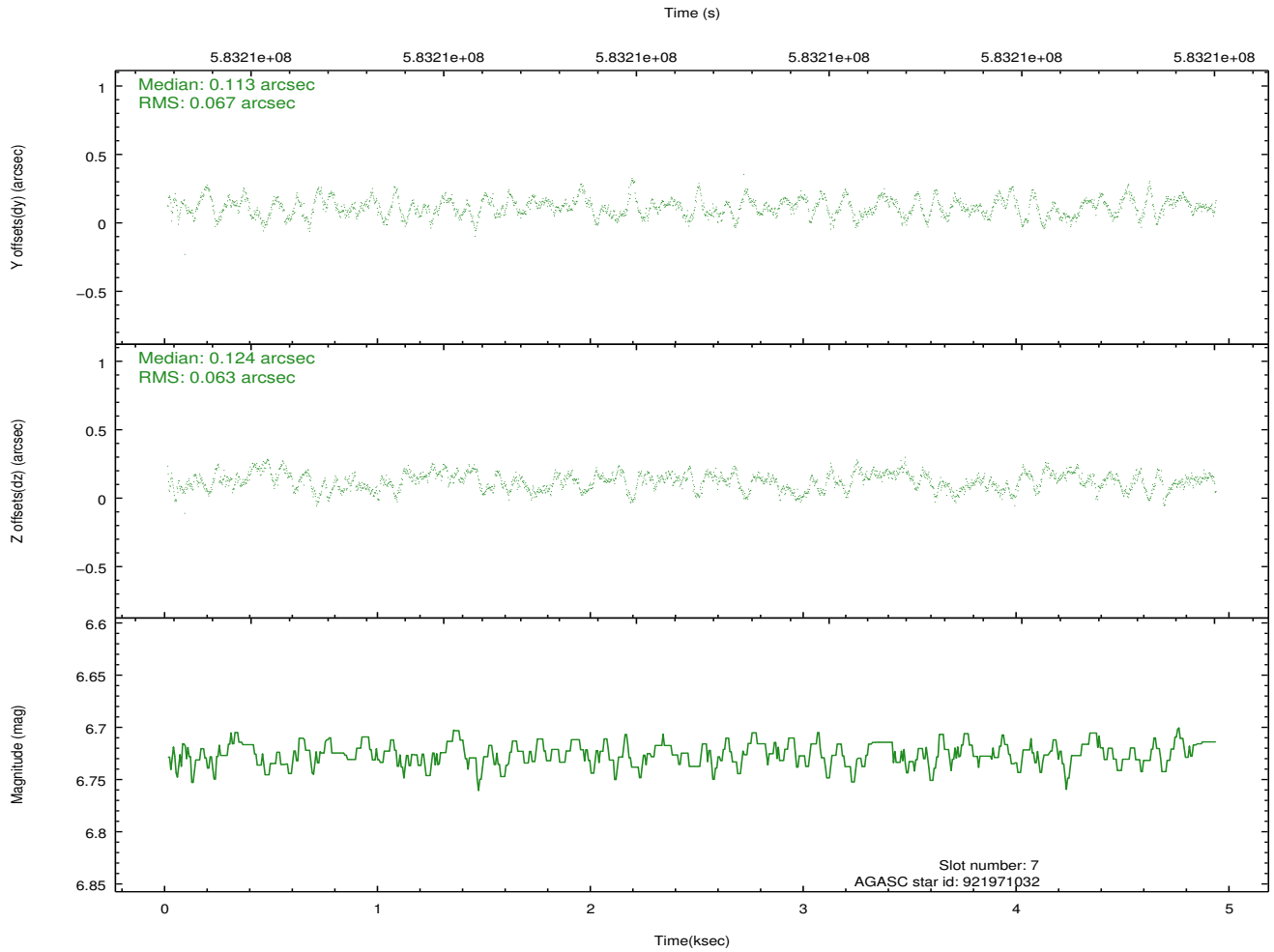
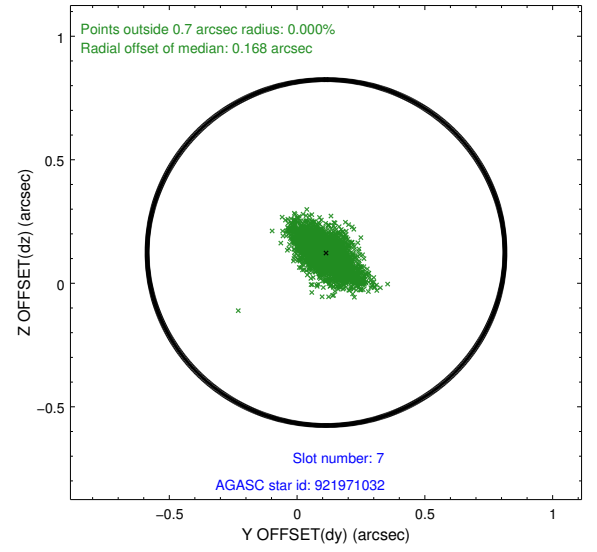
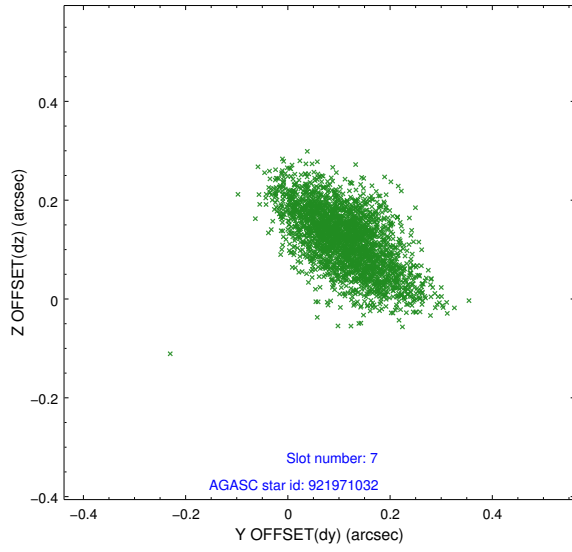
2.4.3 Slot 5



2.4.4 Slot 6

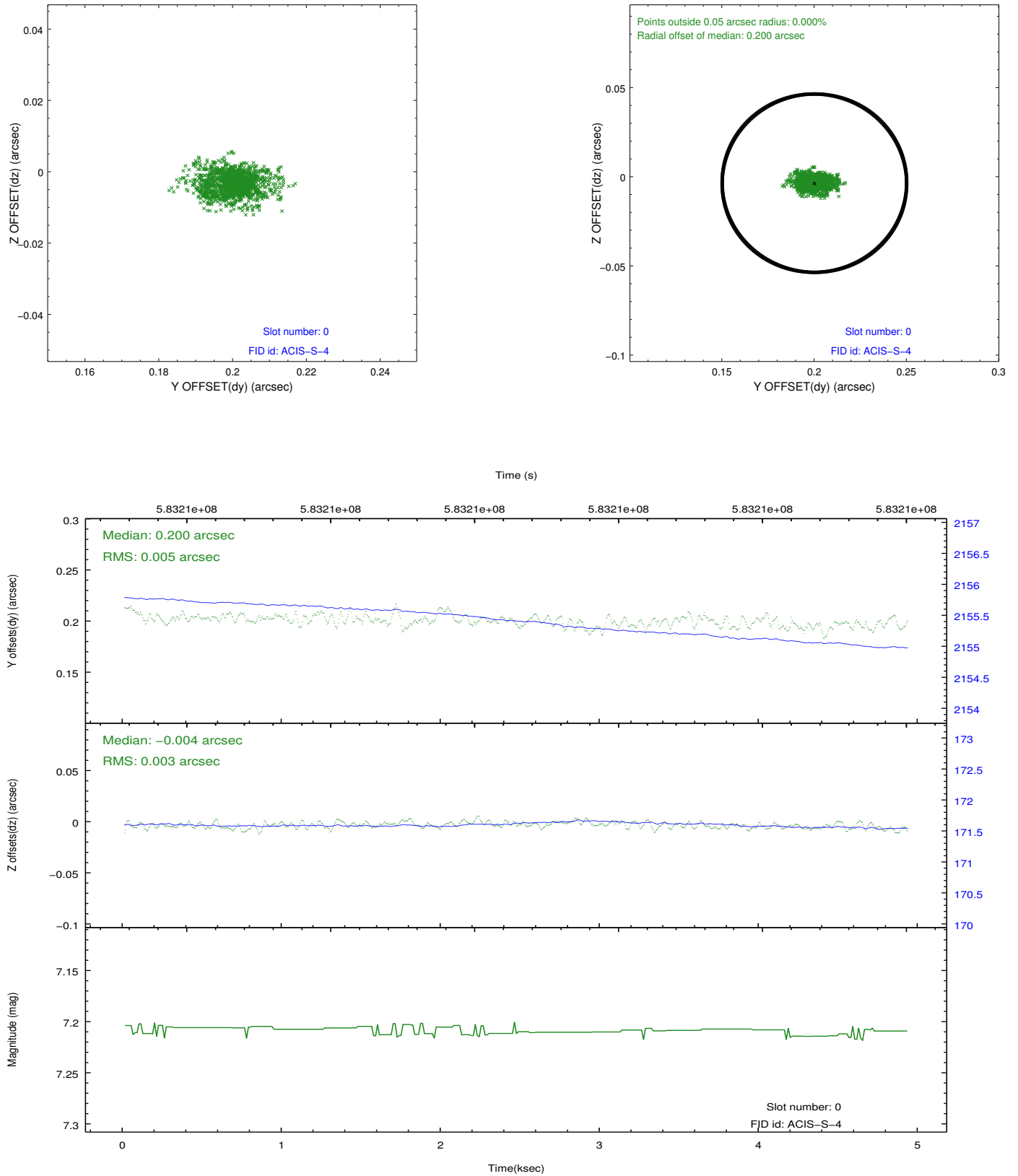


2.4.5 Slot 7

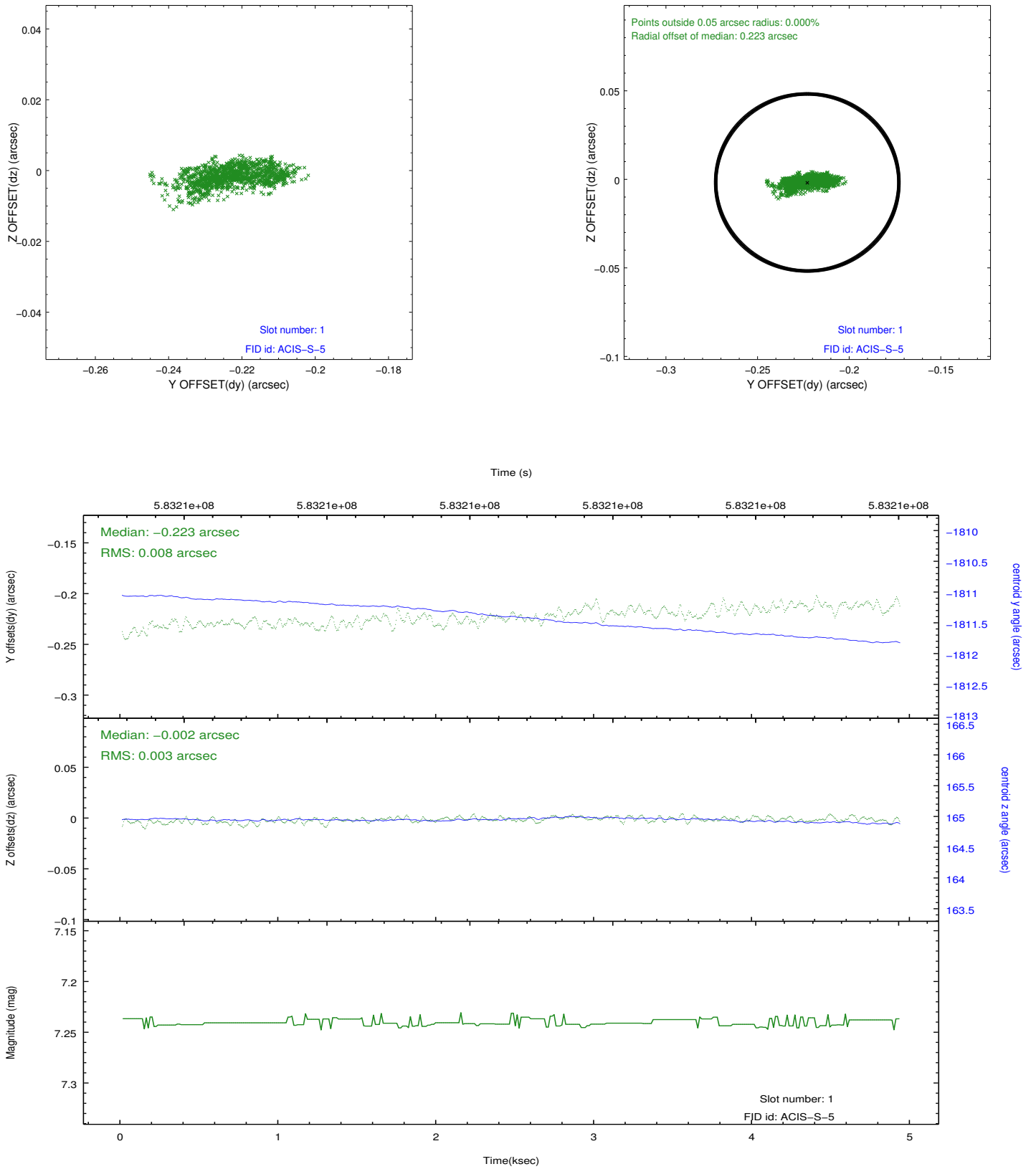


2.5 FID Slots

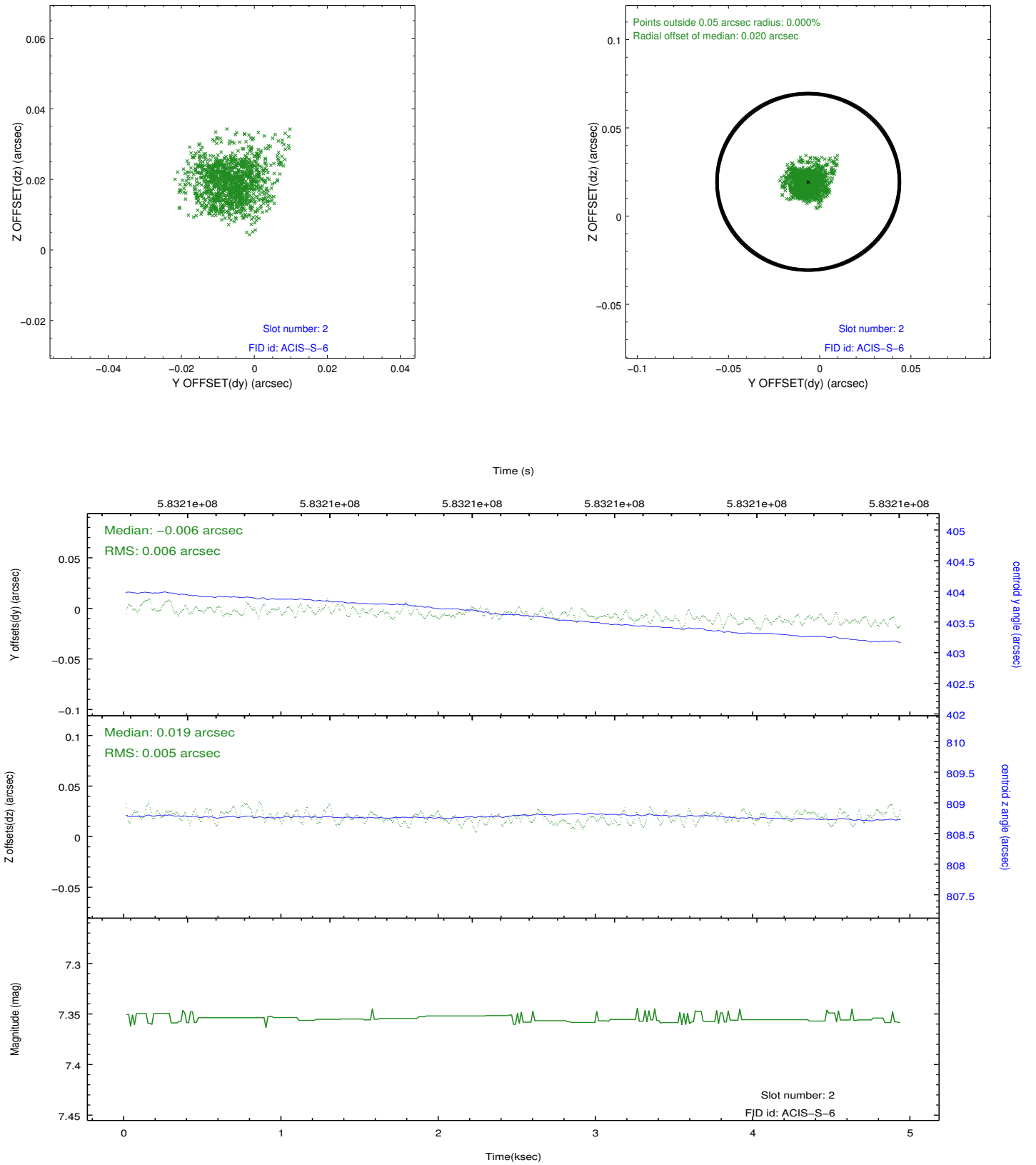
2.5.1 Slot 0



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)	2016.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9134859474897

A.2 Comments