

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12082 - L2 Version 2
Chandra X-Ray Center

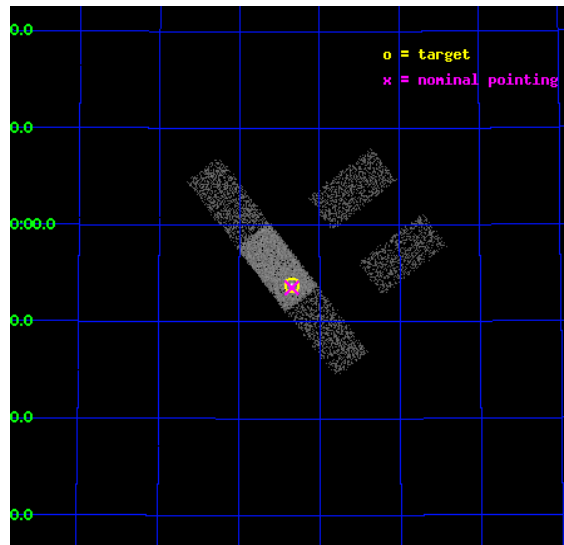
L2 Processing Date : Jun 24 2012

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1 Front

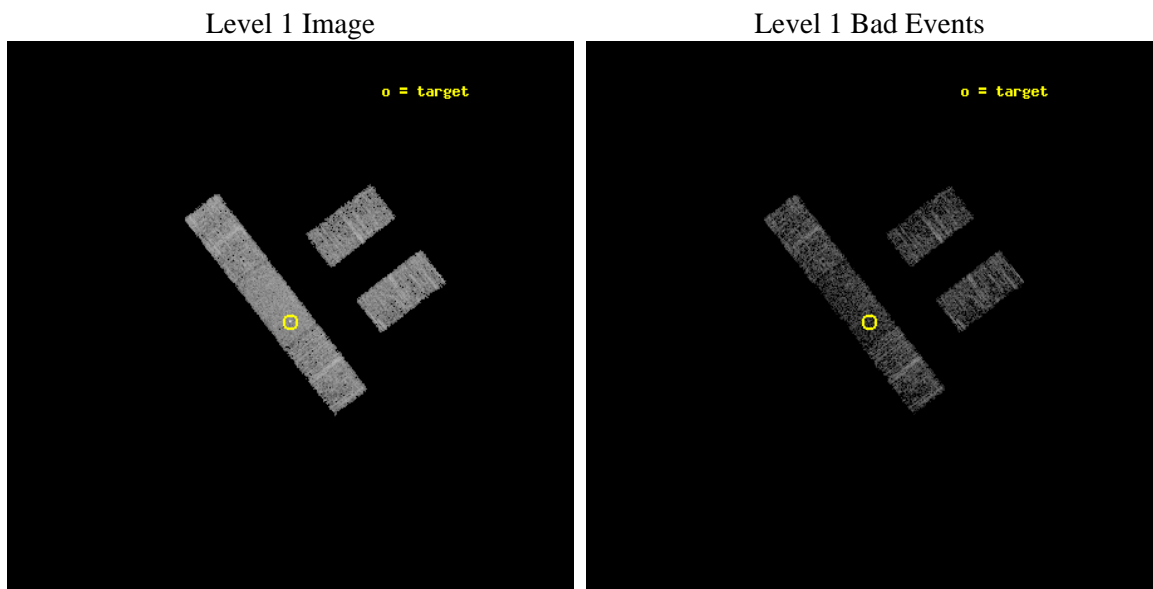
seq_num	702312	Sequence number
obs_id	12082	Observation id
title	Gravitationally lensed quasar Q0957+561AB in outburst	Proposal tit
observer	Dr Luis Goicoechea	Principal investigator
object	Q0957+561	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	150.336667	Observer's specified target RA [deg]
dec_targ	55.897056	Observer's specified target Dec [deg]
ra_nom	150.33616197423	Nominal RA [deg]
dec_nom	55.892206766452	Nominal Dec [deg]
roll_nom	232.23633508211	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3182.3999777436	Sum of GTIs [s]
livetime	3107.3840705349	Livetime [s]
ontime2	3182.3999777436	Sum of GTIs [s]
ontime3	3182.3999777436	Sum of GTIs [s]
ontime6	3182.3999777436	Sum of GTIs [s]
ontime7	3182.3999777436	Sum of GTIs [s]
ontime8	3182.3999777436	Sum of GTIs [s]
l2events	12112	Number of level 2 events



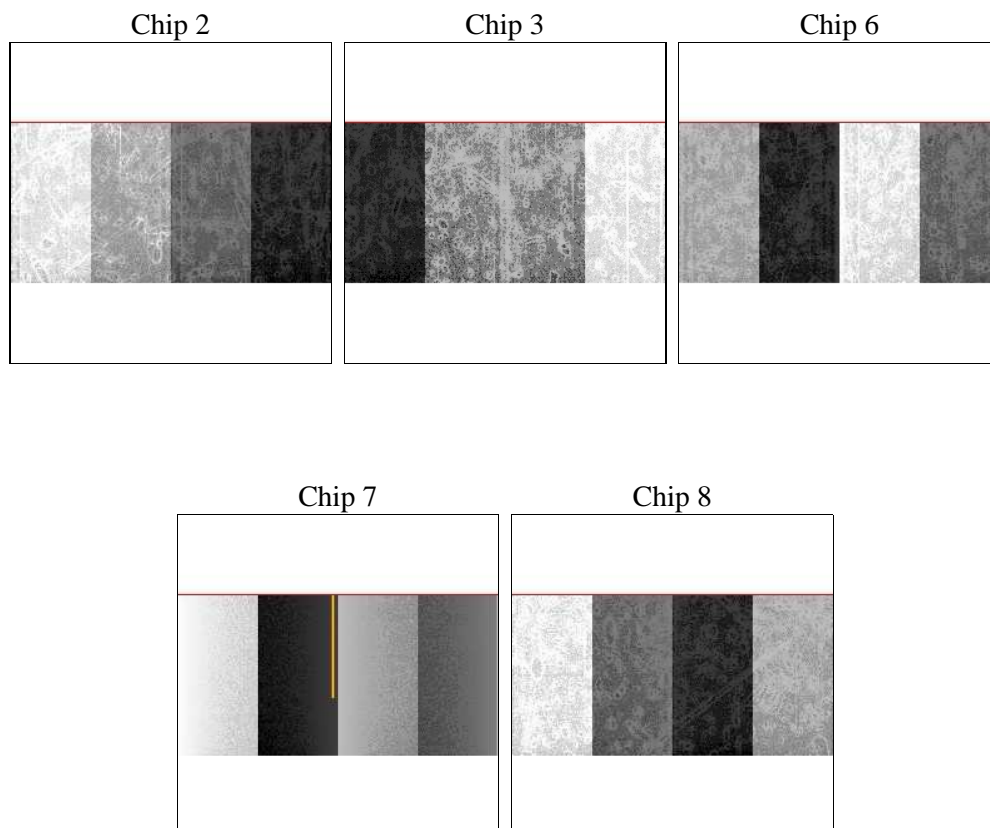
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3182.3999777436	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	3182.3999777436	Sum of GTIs [s]
date	2012-06-24T08:05:40	Date and time of file creation	ontime3	3182.3999777436	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3182.3999777436	Sum of GTIs [s]
			ontime7	3182.3999777436	Sum of GTIs [s]
			ontime8	3182.3999777436	Sum of GTIs [s]
			l1events	75561	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	13932	12424	14665	16537	18003
rejected events	12583	11127	13154	9076	13941
rejected %	90%	89%	89%	54%	77%

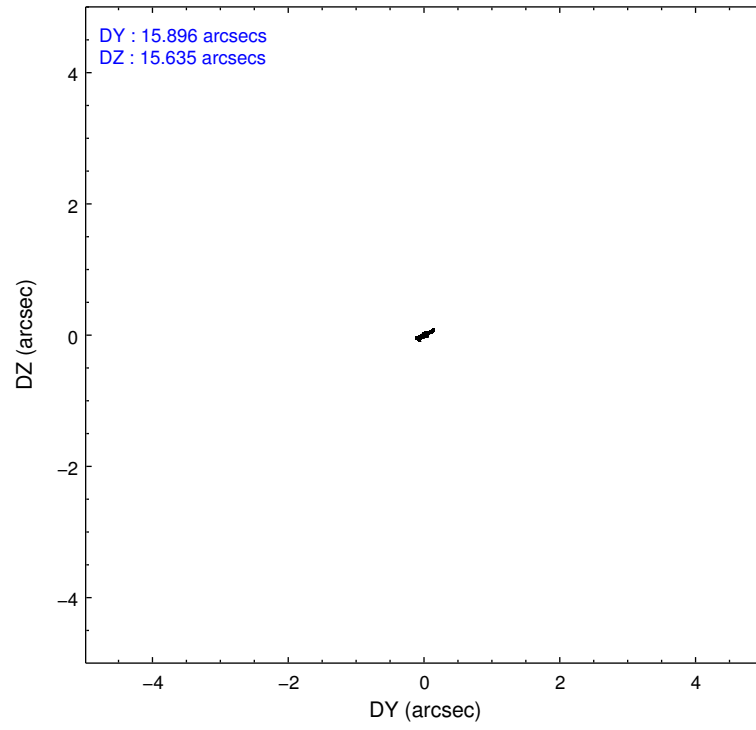
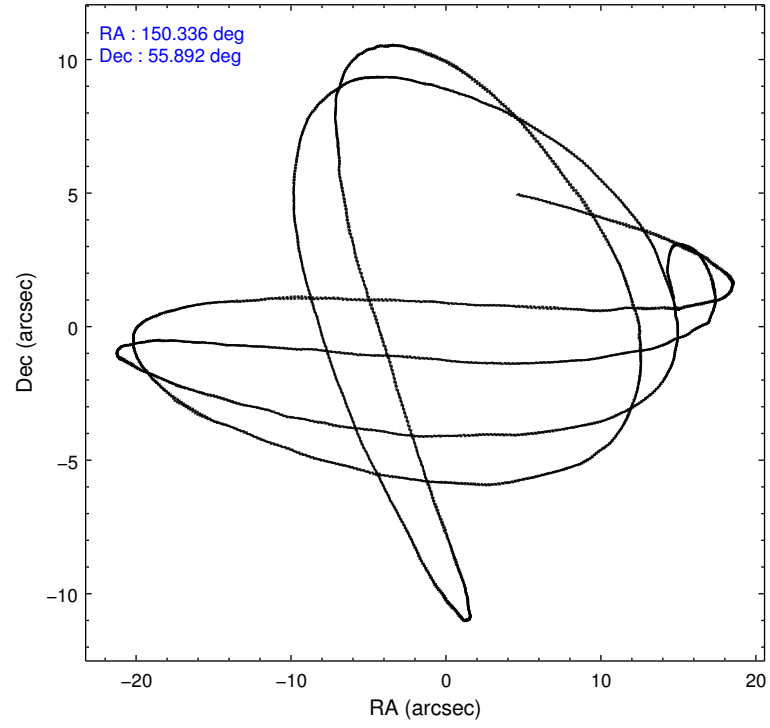
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	490	458	527	964	1313
	3%	3%	3%	5%	7%
grade 1 events	8	5	3	21	10
	0%	0%	0%	0%	0%
grade 2 events	312	285	339	1642	986
	2%	2%	2%	9%	5%
grade 3 events	196	204	205	788	461
	1%	1%	1%	4%	2%
grade 4 events	191	177	208	805	440
	1%	1%	1%	4%	2%
grade 5 events	510	592	645	1731	842
	3%	4%	4%	10%	4%
grade 6 events	259	267	344	3758	1084
	1%	2%	2%	22%	6%
grade 7 events	11966	10436	12394	6828	12867
	85%	83%	84%	41%	71%

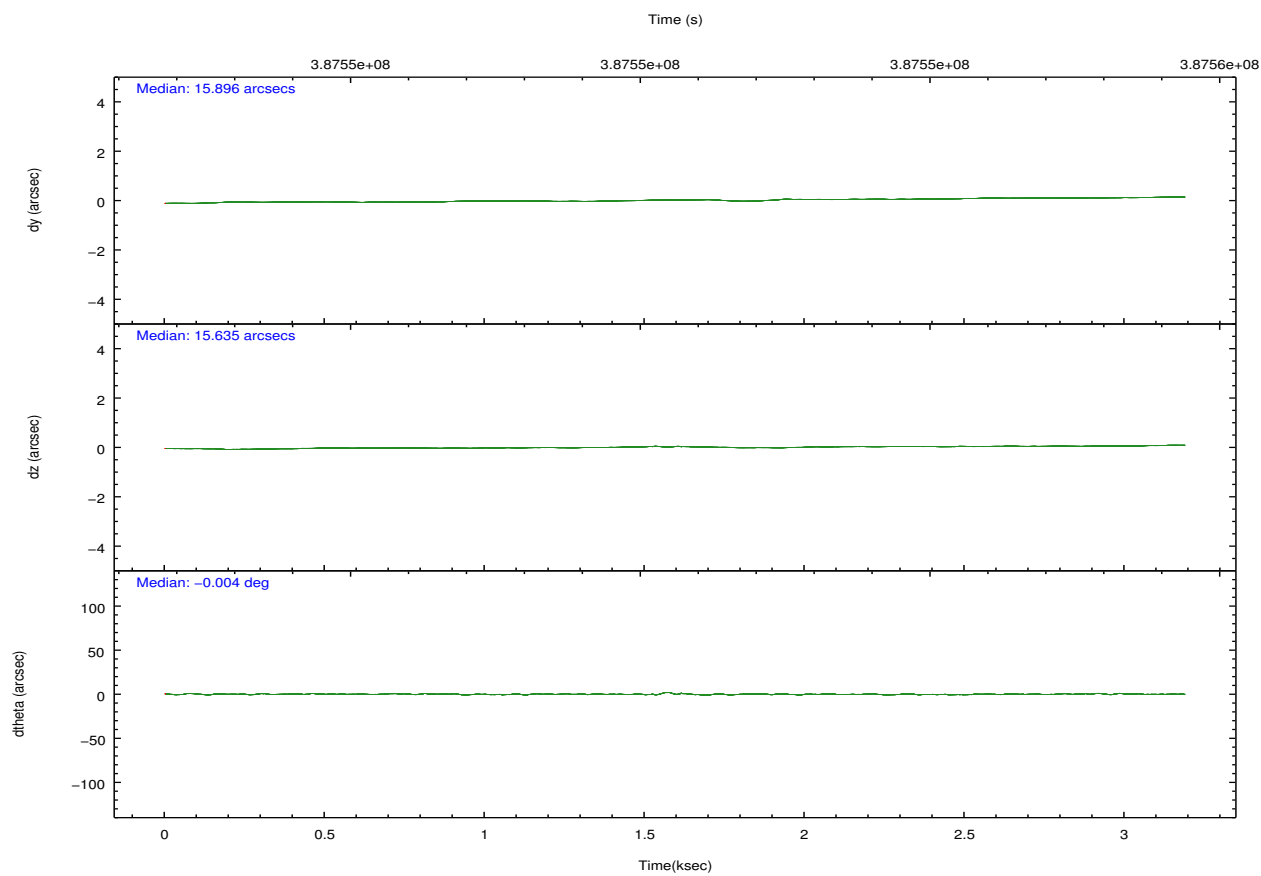
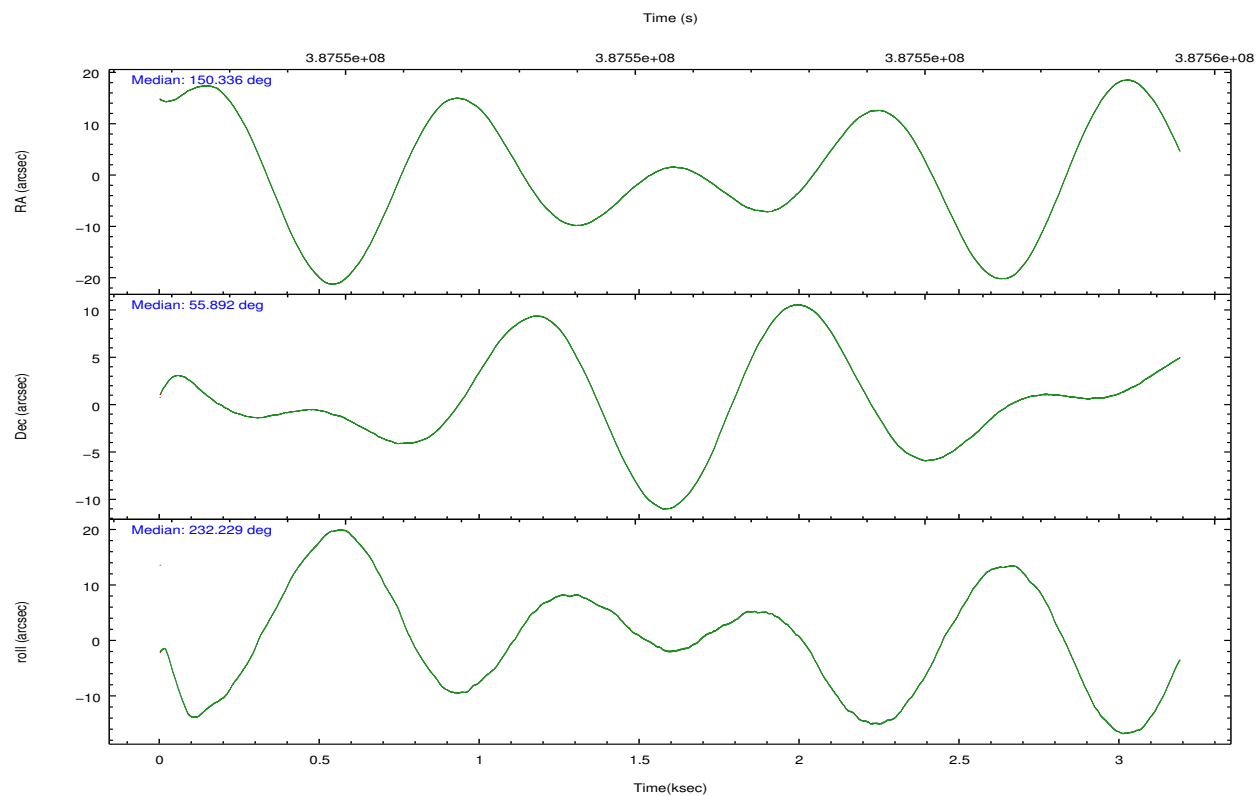
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-23678	ACIS-23678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	150.341679	150.3361619742282
[deg] Pointing Dec	55.919381	55.89220676645179
[deg] Pointing Roll	232.075100	232.2363350821109
[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)	387551710.184000	387550786.12336
Observation start date	2010-04-13T13:14:04	2010-04-13T12:59:46
[s] Observation end time (MET)	387554710.184000	387555403.7486
Observation end date	2010-04-13T14:04:04	2010-04-13T14:16:43
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	O4	Y
CCD I3 on	O3	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	O1	Y
CCD S3 on	Y	Y
CCD S4 on	O2	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/2
Subarray start row	257	257
Subarray row count	512	512
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	1.7

2.3 Aspect



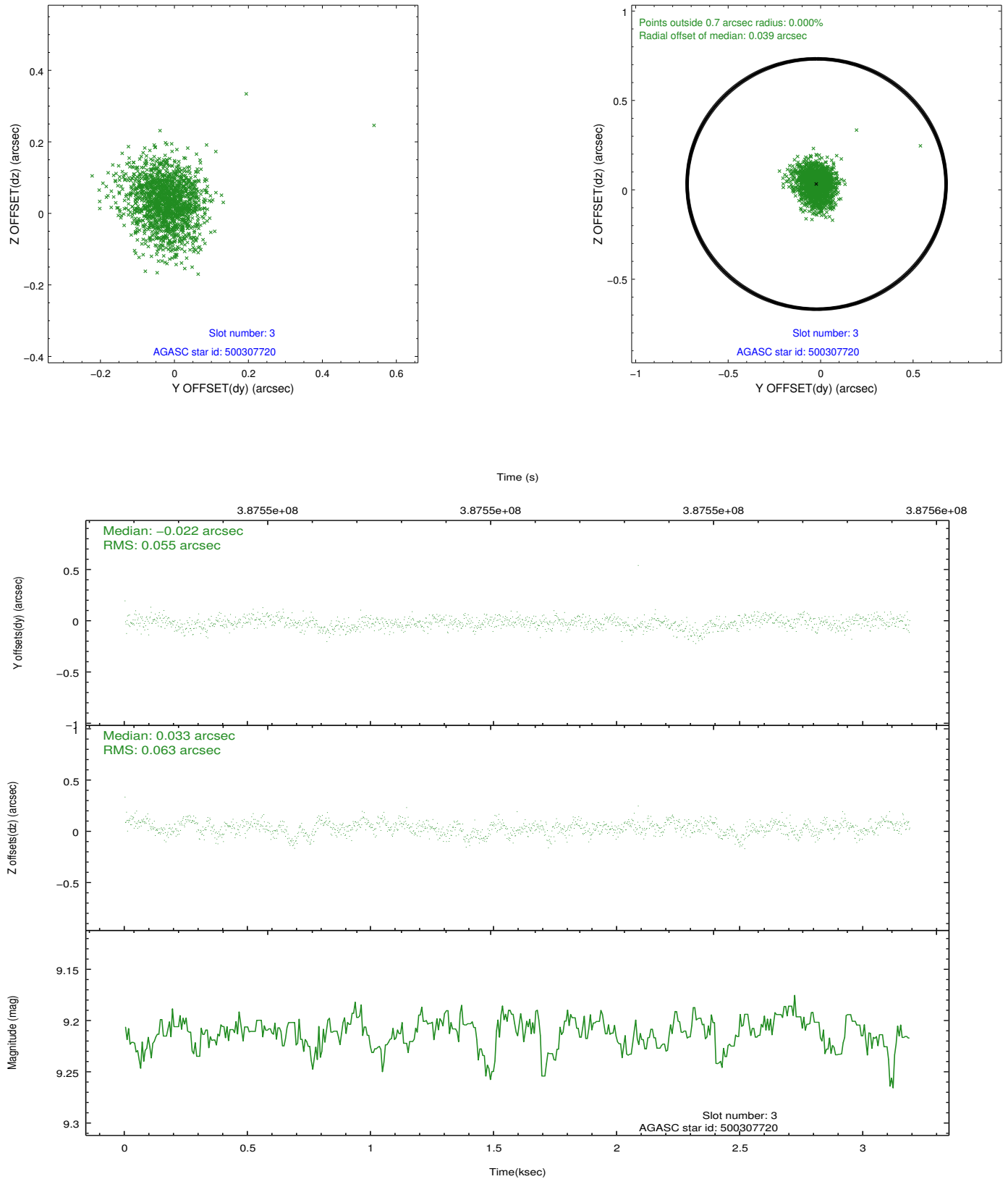


Slot Statistics

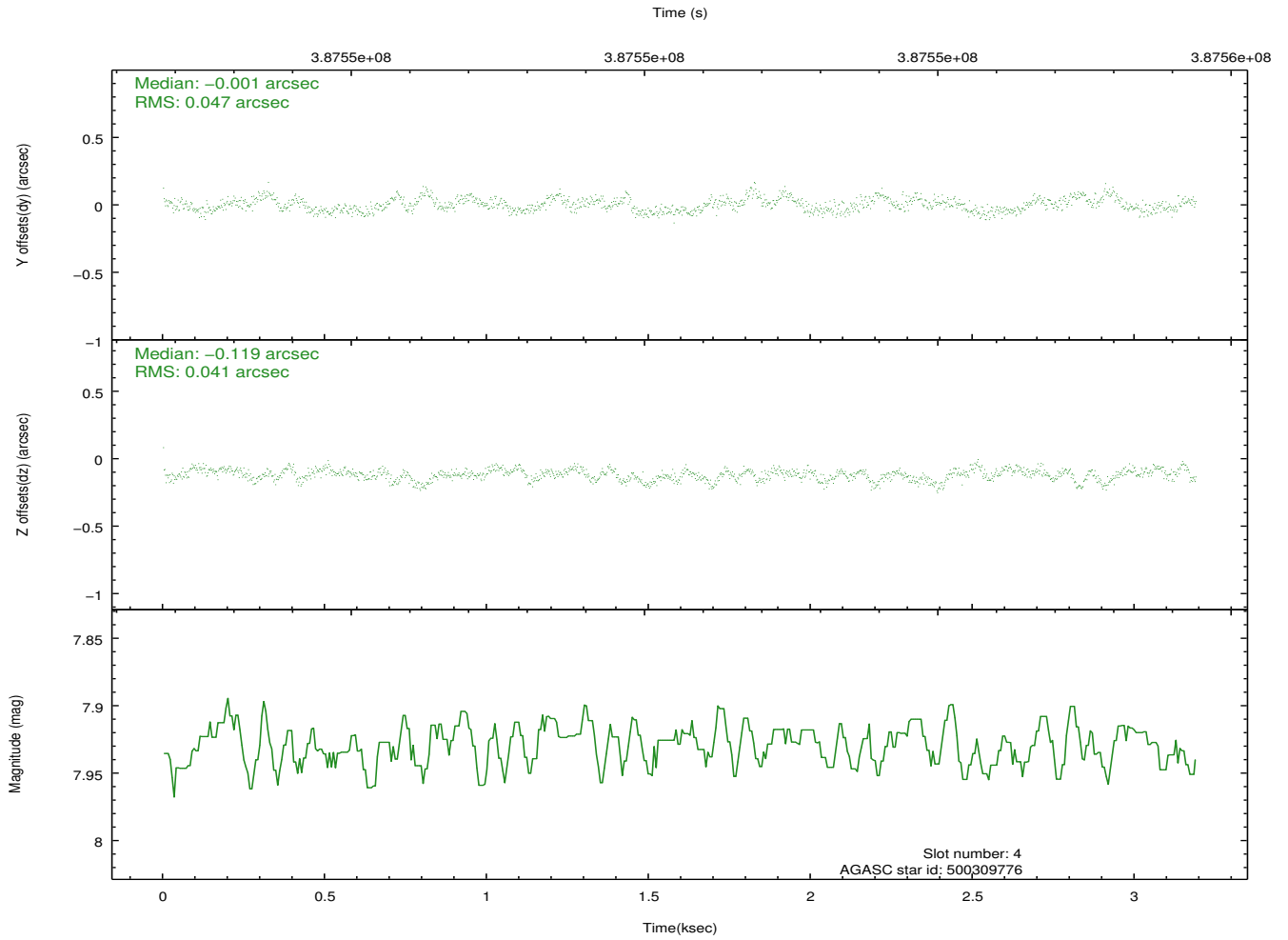
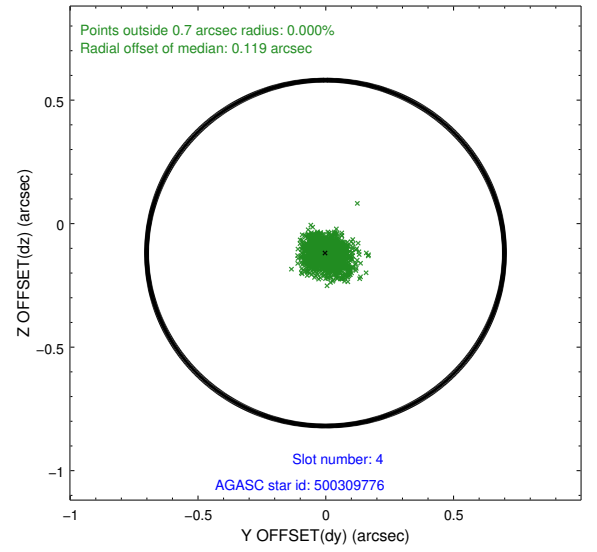
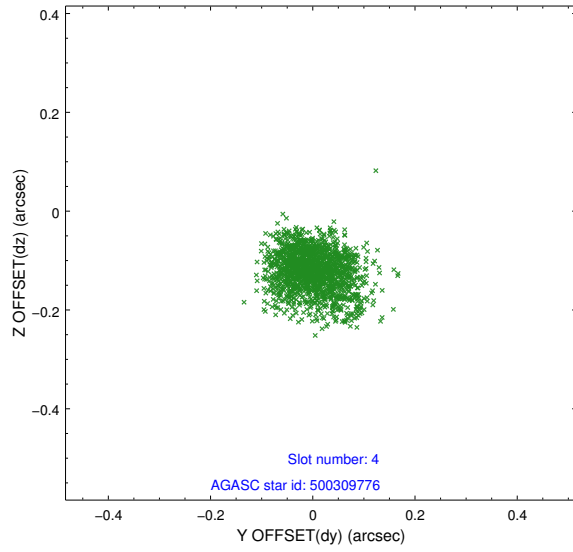
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	778	-0.106	-0.035	0.006	0.011	0.000000	0.000000	-768.99	-1737.08
1	FID	ACIS-S-4	6.99	778	0.212	0.060	0.006	0.011	0.000000	0.000000	2143.67	169.45
2	FID	ACIS-S-5	7.02	778	-0.137	-0.016	0.006	0.012	0.000000	0.000000	-1819.33	165.29
3	GUIDE	500307720	9.21	1553	-0.022	0.033	0.085	0.148	149.835368	56.109010	83.93	-1223.97
4	GUIDE	500309776	7.93	1556	-0.001	-0.119	0.067	0.109	150.409238	55.585087	869.97	848.30
5	GUIDE	500437816	8.67	1556	-0.032	0.129	0.066	0.109	151.181905	56.134575	-1654.03	847.18
6	GUIDE	500310128	9.20	1556	0.171	0.083	0.097	0.157	150.281852	55.096051	2413.22	1725.13
7	GUIDE	500442560	7.04	1553	-0.121	-0.120	0.071	0.109	151.619747	55.769496	-1182.30	2358.93

2.4 Star Slots

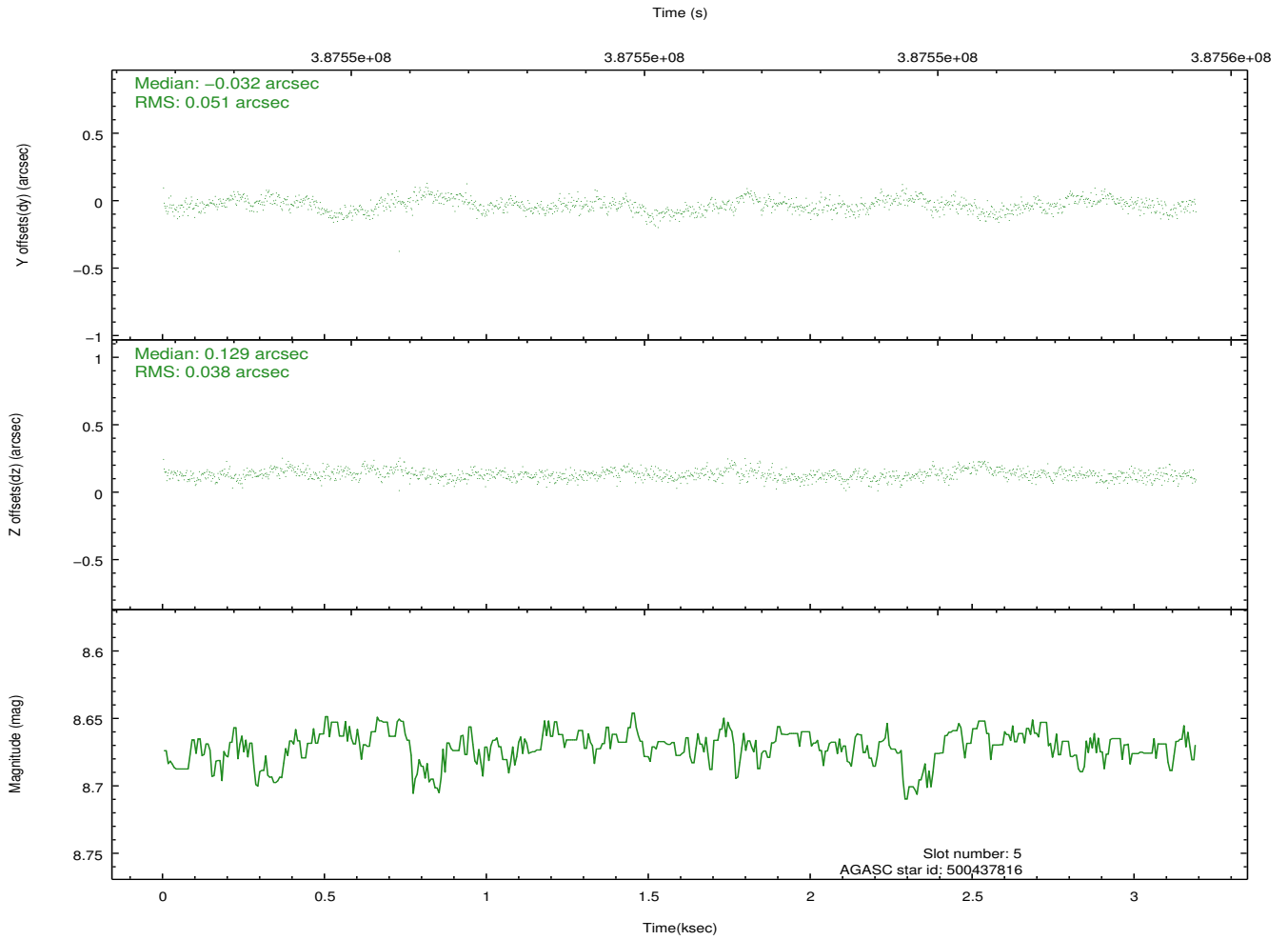
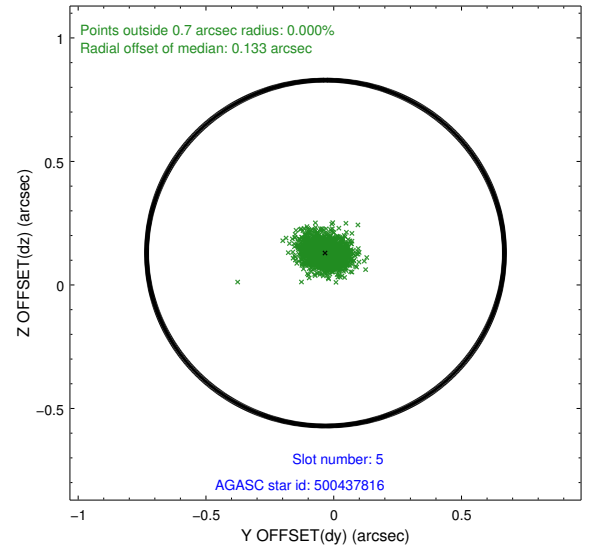
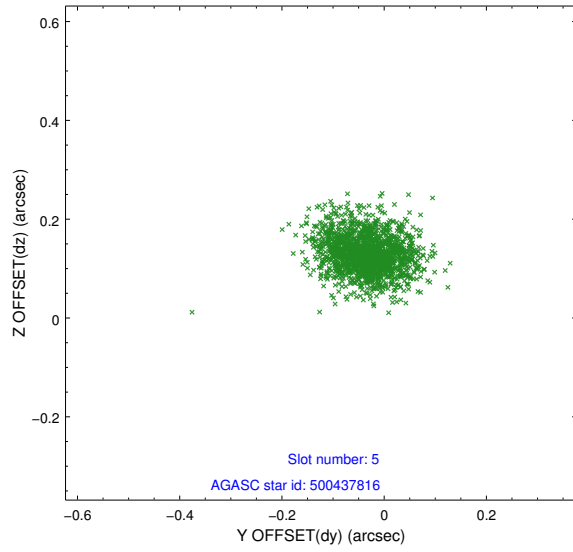
2.4.1 Slot 3



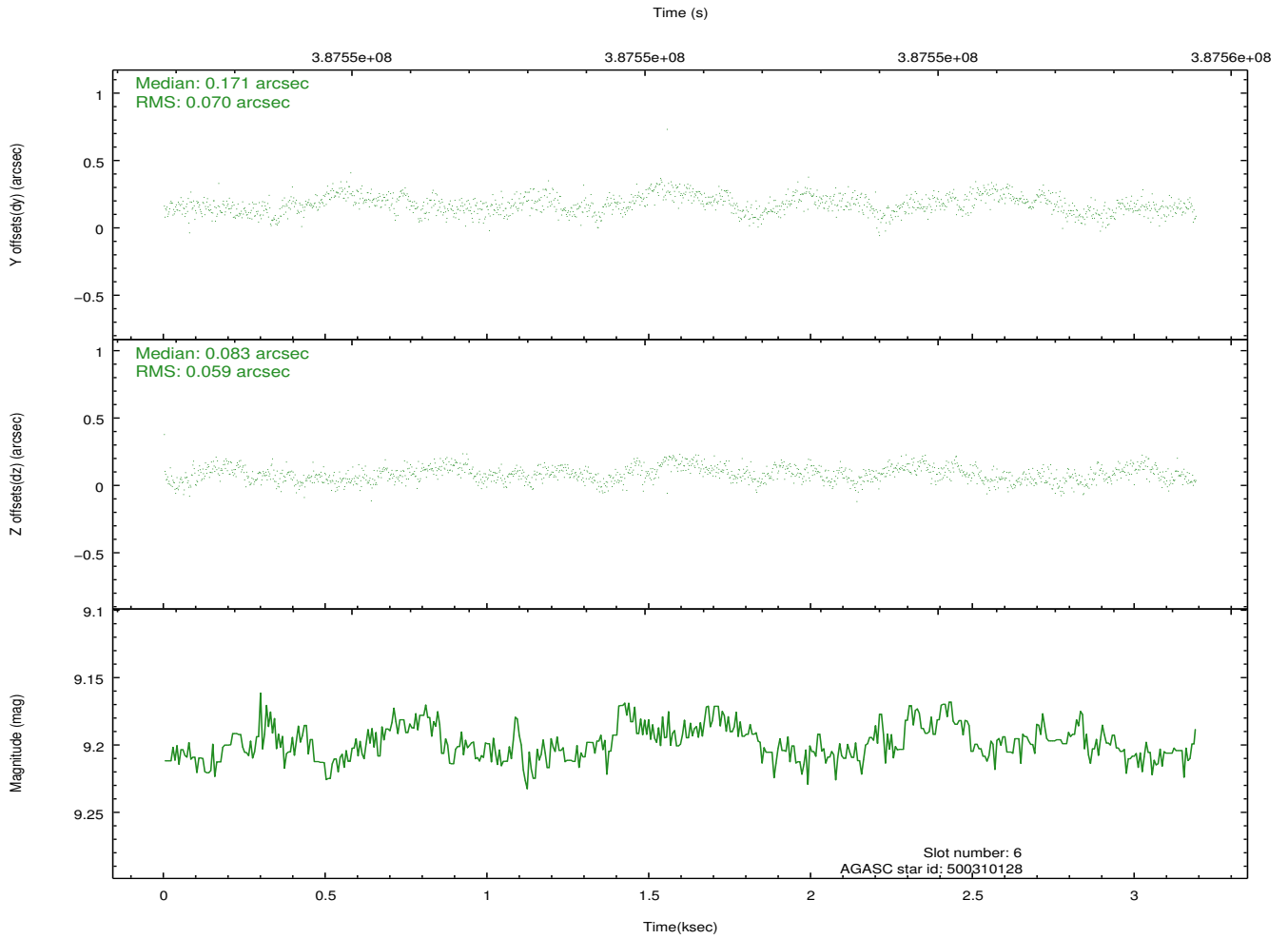
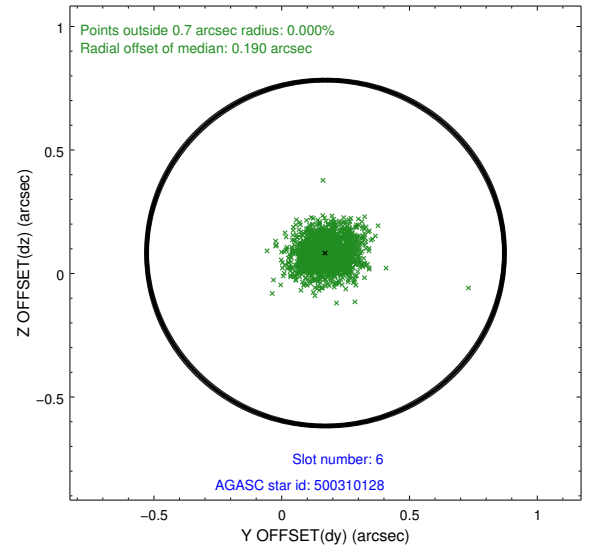
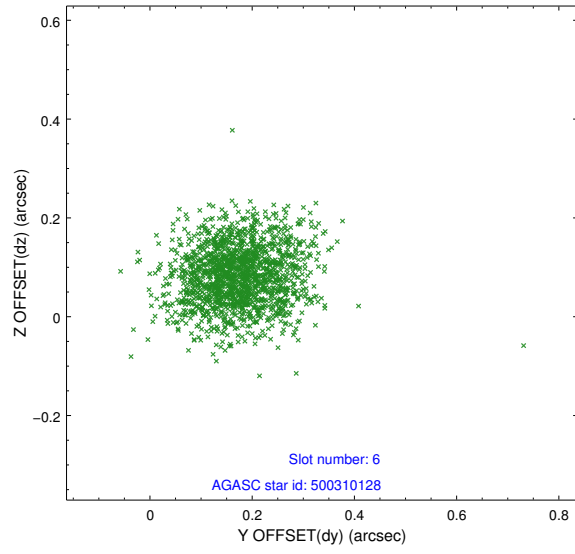
2.4.2 Slot 4



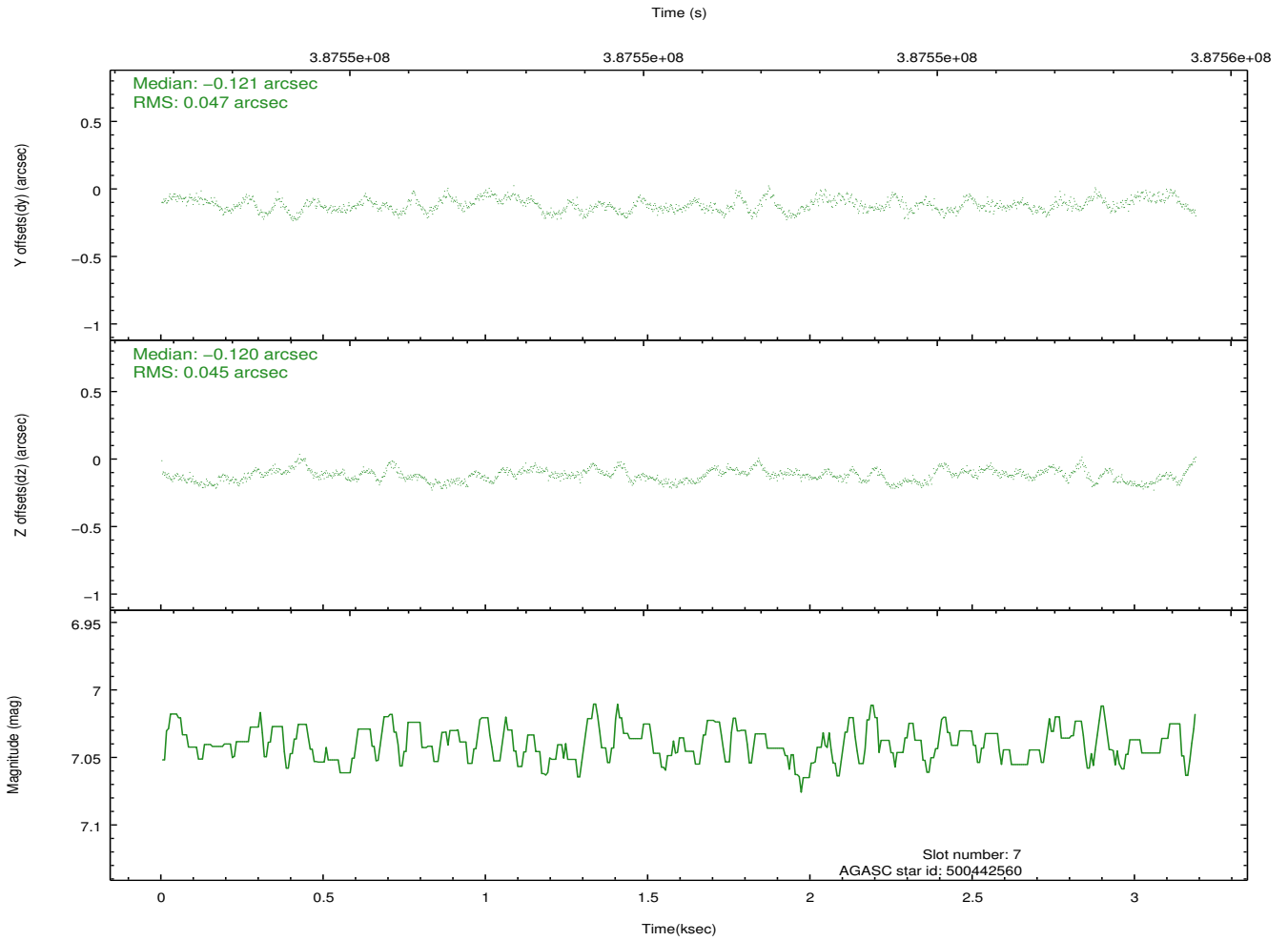
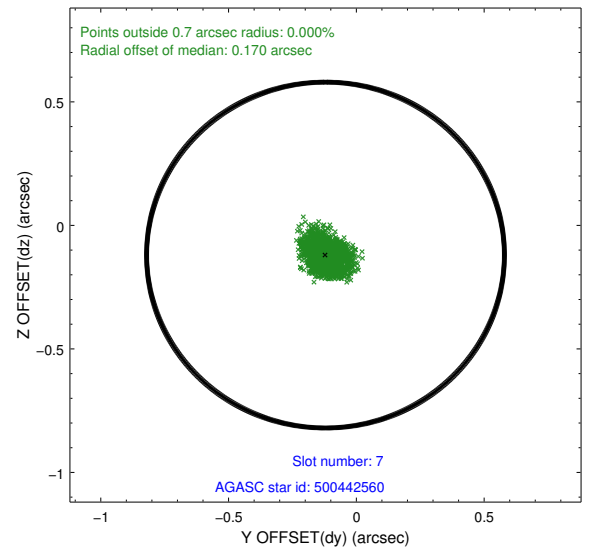
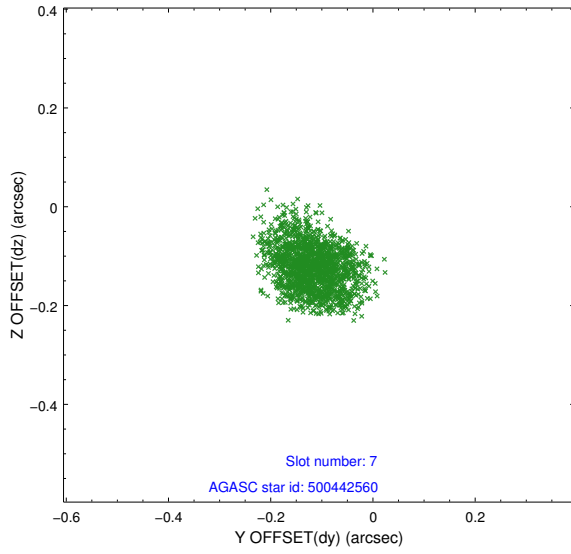
2.4.3 Slot 5



2.4.4 Slot 6

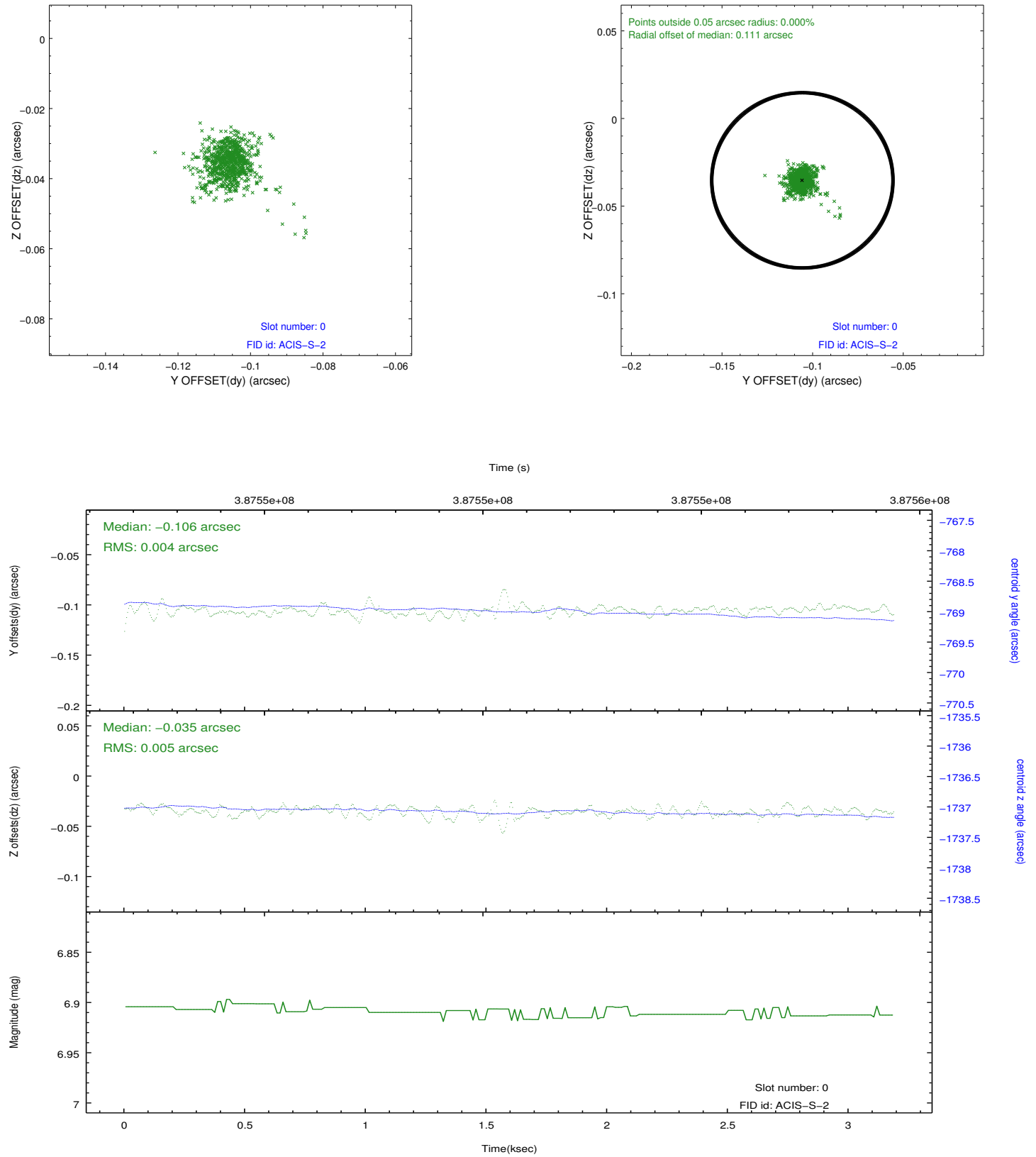


2.4.5 Slot 7

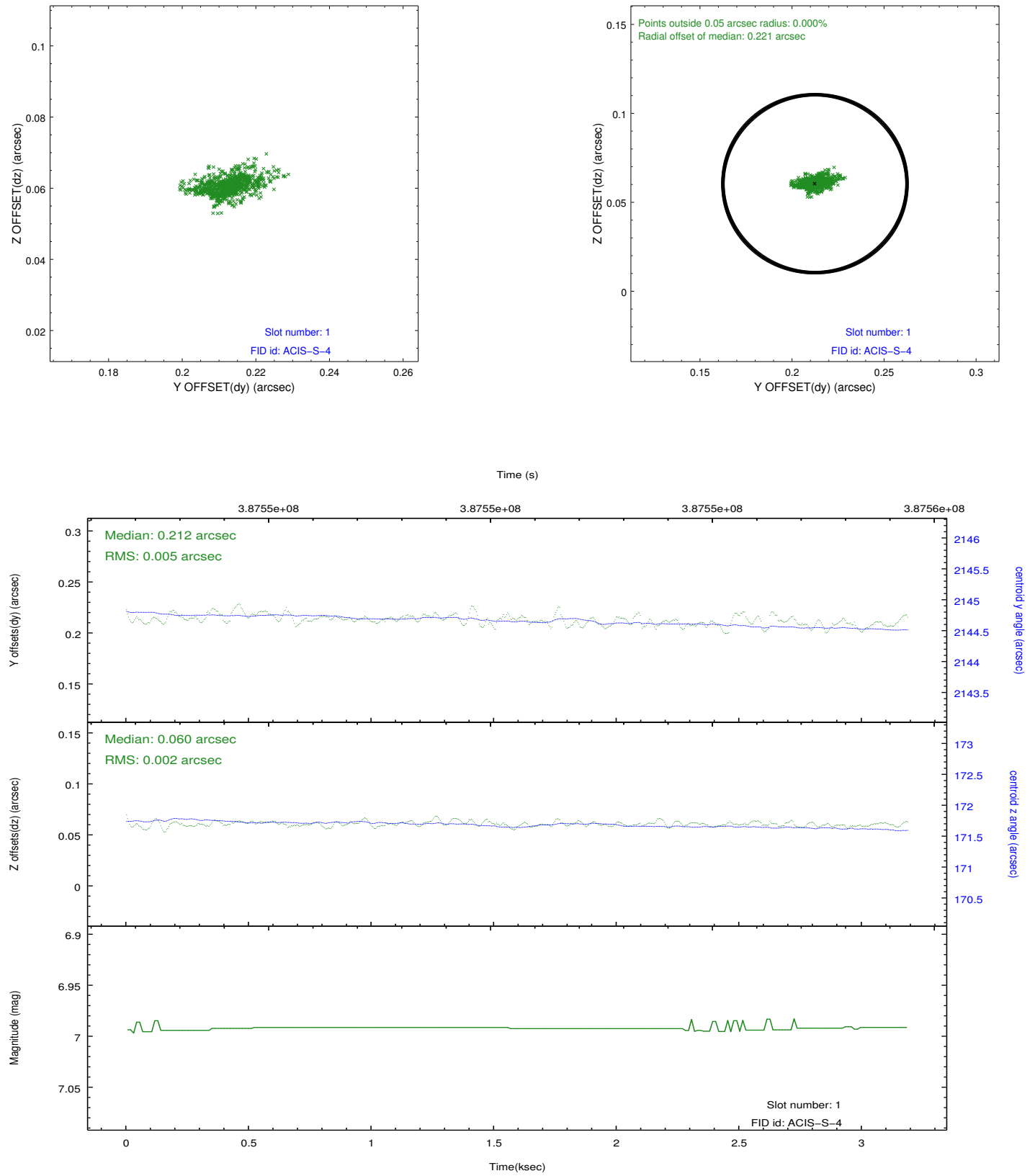


2.5 FID Slots

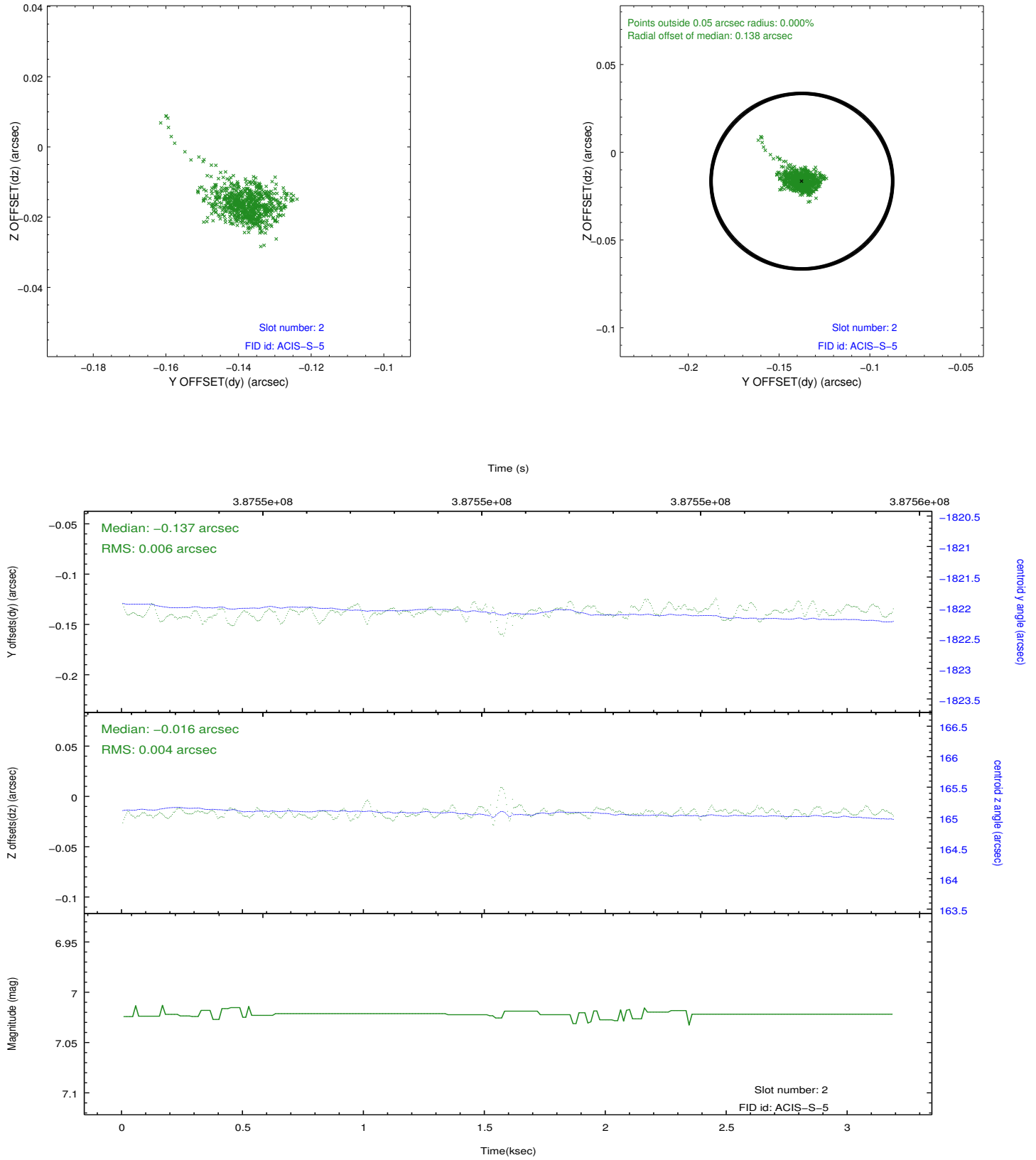
2.5.1 Slot 0



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)	2012.06.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1823999777436

A.2 Comments