

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3921 - L2 Version 4
Chandra X-Ray Center

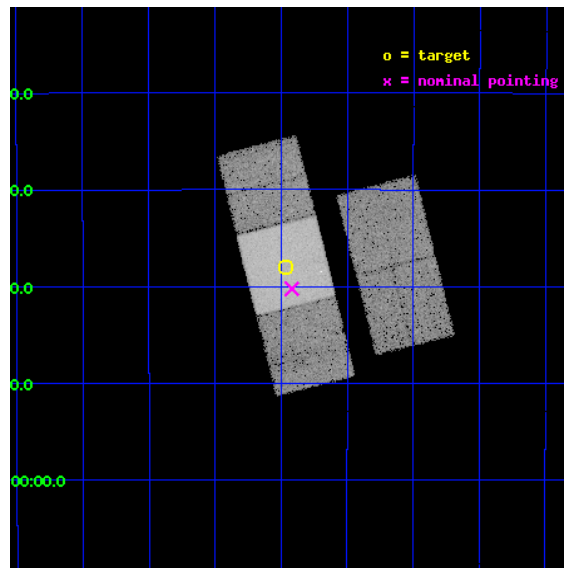
L2 Processing Date : Oct 29 2012

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1 Front

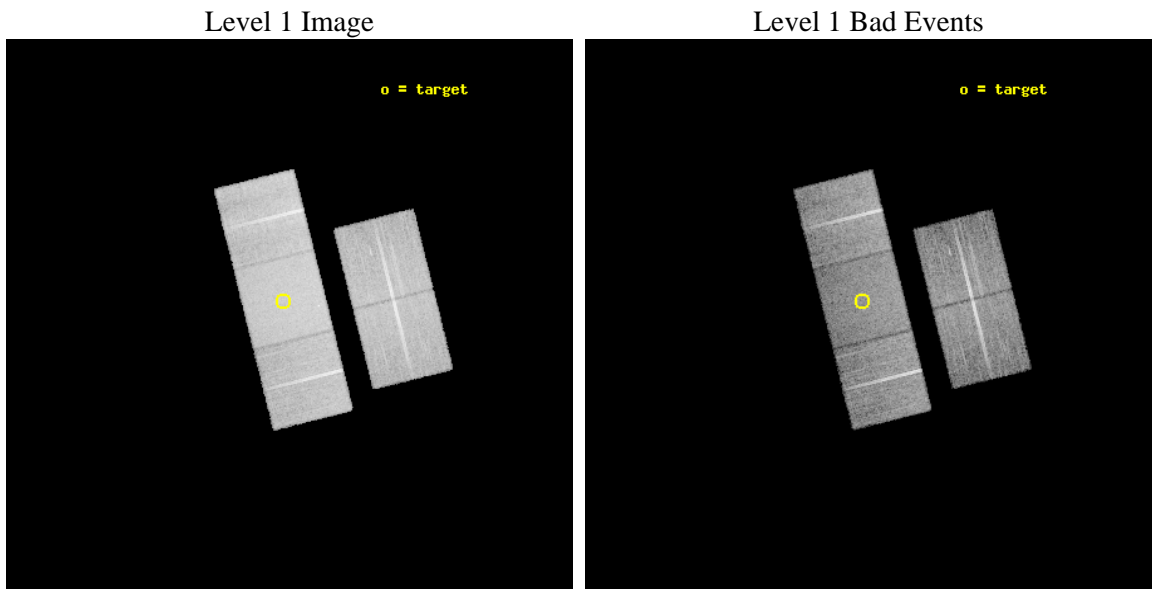
seq_num	500400	Sequence number
obs_id	3921	Observation id
title	LOCALIZATION OF OPTICALLY-DARK GRBS WITH FAST TOO OBSERVATIONS	Pro
observer	Professor Gordon Garmire	Principal investigator
object	GRB030528	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	255.9917	Observer's specified target RA [deg]
dec_targ	-22.63333	Observer's specified target Dec [deg]
ra_nom	255.97958686787	Nominal RA [deg]
dec_nom	-22.670740618745	Nominal Dec [deg]
roll_nom	255.96415218578	Nominal Roll [deg]
revision	4	Processing version of data
ontime	20339.099960864	Sum of GTIs [s]
livetime	20073.354646447	Livetime [s]
ontime2	20326.381407857	Sum of GTIs [s]
ontime3	20332.745448232	Sum of GTIs [s]
ontime6	20339.068458647	Sum of GTIs [s]
ontime7	20339.099960864	Sum of GTIs [s]
ontime8	20338.98637864	Sum of GTIs [s]
l2events	143473	Number of level 2 events



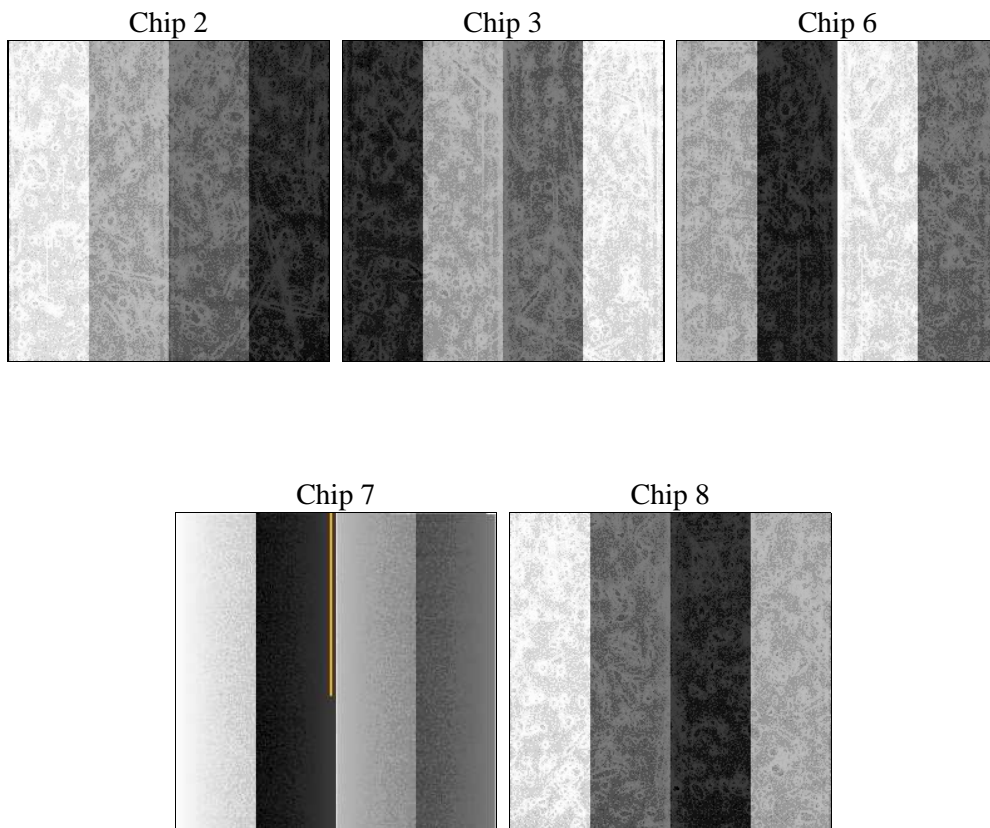
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20339.099960864	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	20326.381407857	Sum of GTIs [s]
date	2012-10-29T18:56:33	Date and time of file creation	ontime3	20332.745448232	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	20339.068458647	Sum of GTIs [s]
			ontime7	20339.099960864	Sum of GTIs [s]
			ontime8	20338.98637864	Sum of GTIs [s]
			l1events	718564	Number of level 1 events

2.1.4 Events

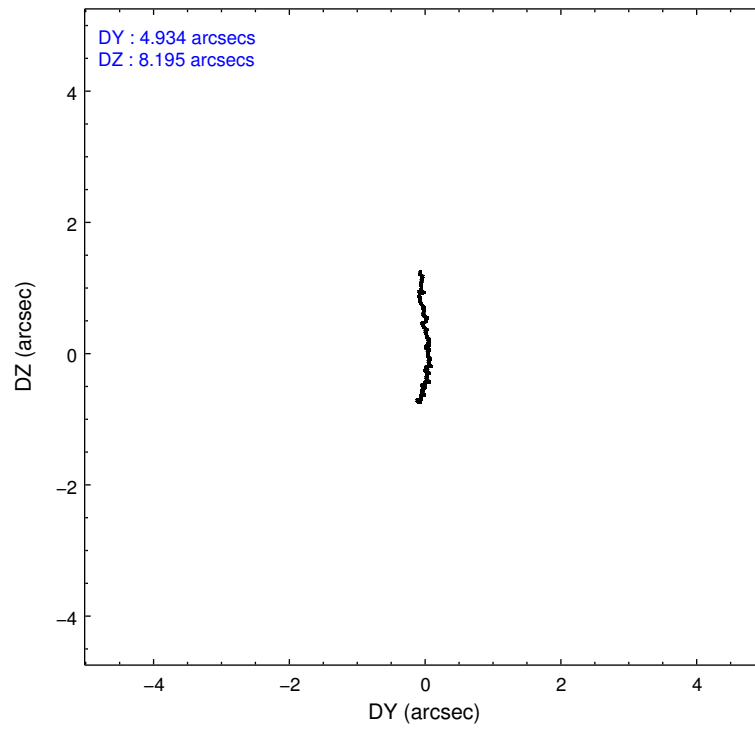
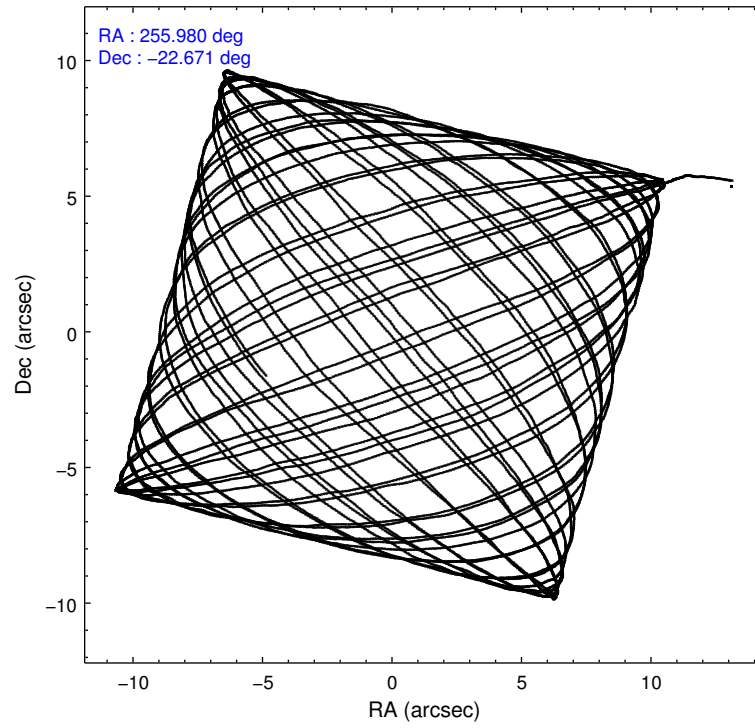
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	122210	126085	131082	178261	160926
rejected events	104920	108973	112808	97808	124735
rejected %	85%	86%	86%	54%	77%

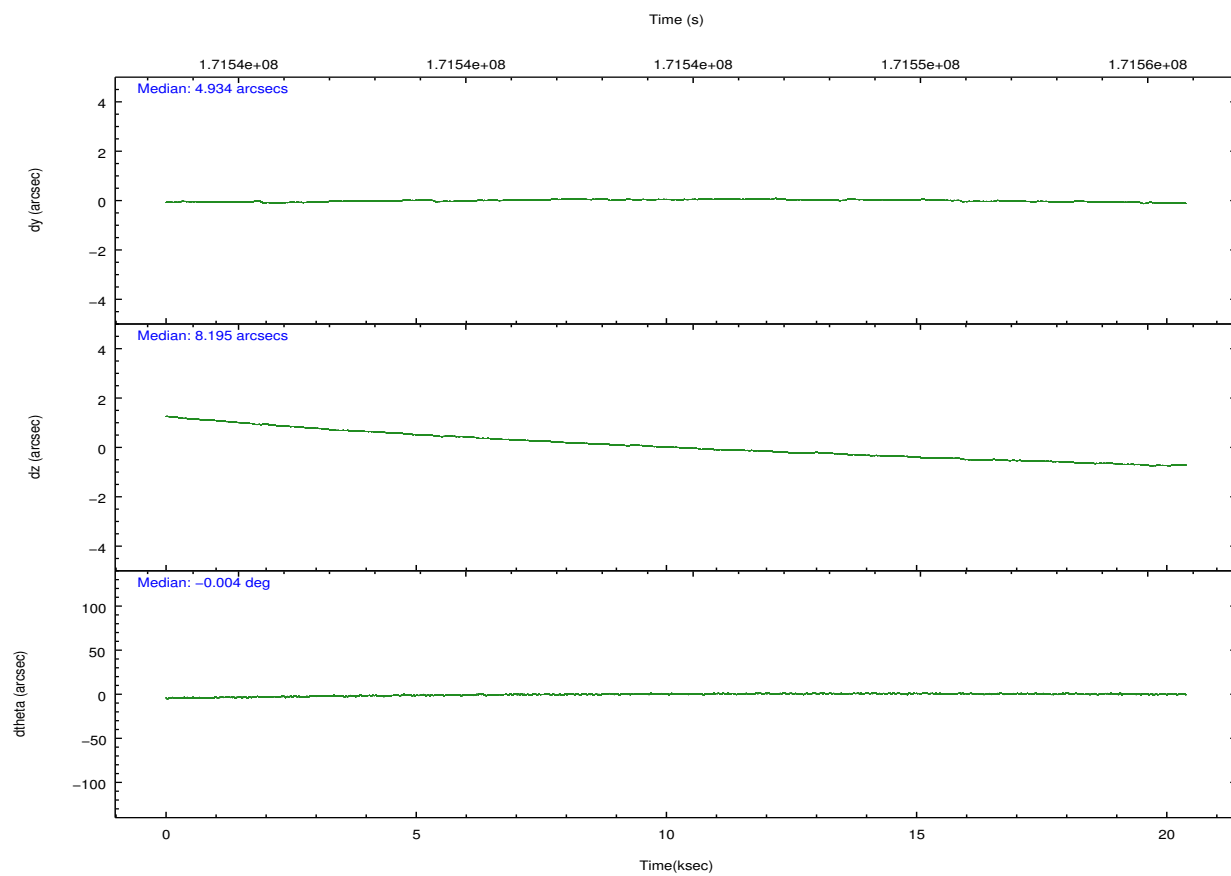
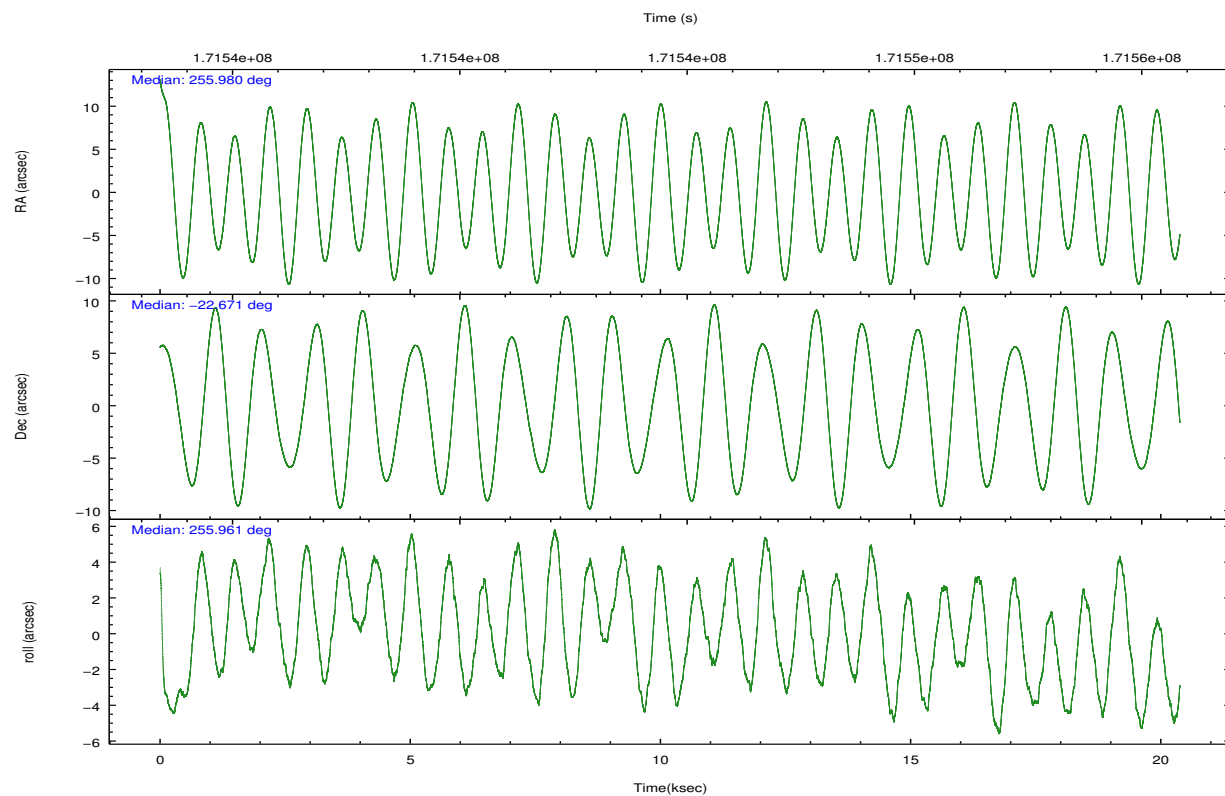
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	8945	8501	8669	7825	13364
	7%	6%	6%	4%	8%
grade 1 events	75	70	63	136	99
	0%	0%	0%	0%	0%
grade 2 events	3066	3024	3431	15562	7467
	2%	2%	2%	8%	4%
grade 3 events	1458	1476	1603	6858	3466
	1%	1%	1%	3%	2%
grade 4 events	1443	1532	1491	7103	3405
	1%	1%	1%	3%	2%
grade 5 events	4762	5494	5595	16066	7354
	3%	4%	4%	9%	4%
grade 6 events	2387	2584	3092	43158	8514
	1%	2%	2%	24%	5%
grade 7 events	100074	103404	107138	81553	117257
	81%	82%	81%	45%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	255.971086	255.9795868678724	Subarray requested	NONE	NONE
[deg] Pointing Dec	-22.644679	-22.67074061874539	Alternating exposures requested	N	N
[deg] Pointing Roll	255.804243	255.9641521857831	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	171534615.184000	171533636.45985			
Observation start date	2003-06-09T08:29:11	2003-06-09T08:13:56			
[s] Observation end time (MET)	171554815.184000	171555551.98578			
Observation end date	2003-06-09T14:05:51	2003-06-09T14:19:11			
Read mode	TIMED	TIMED			

2.3 Aspect



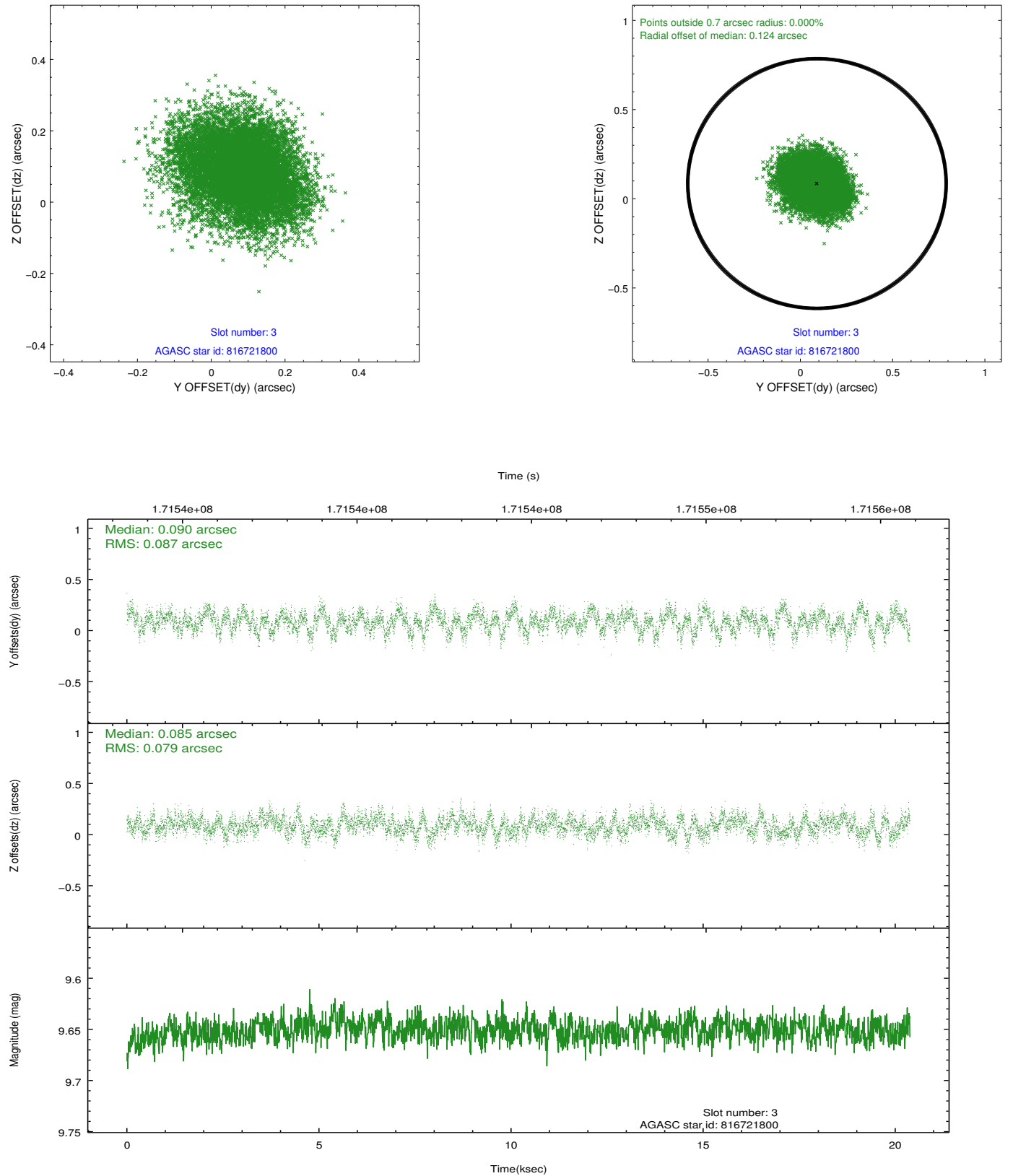


Slot Statistics

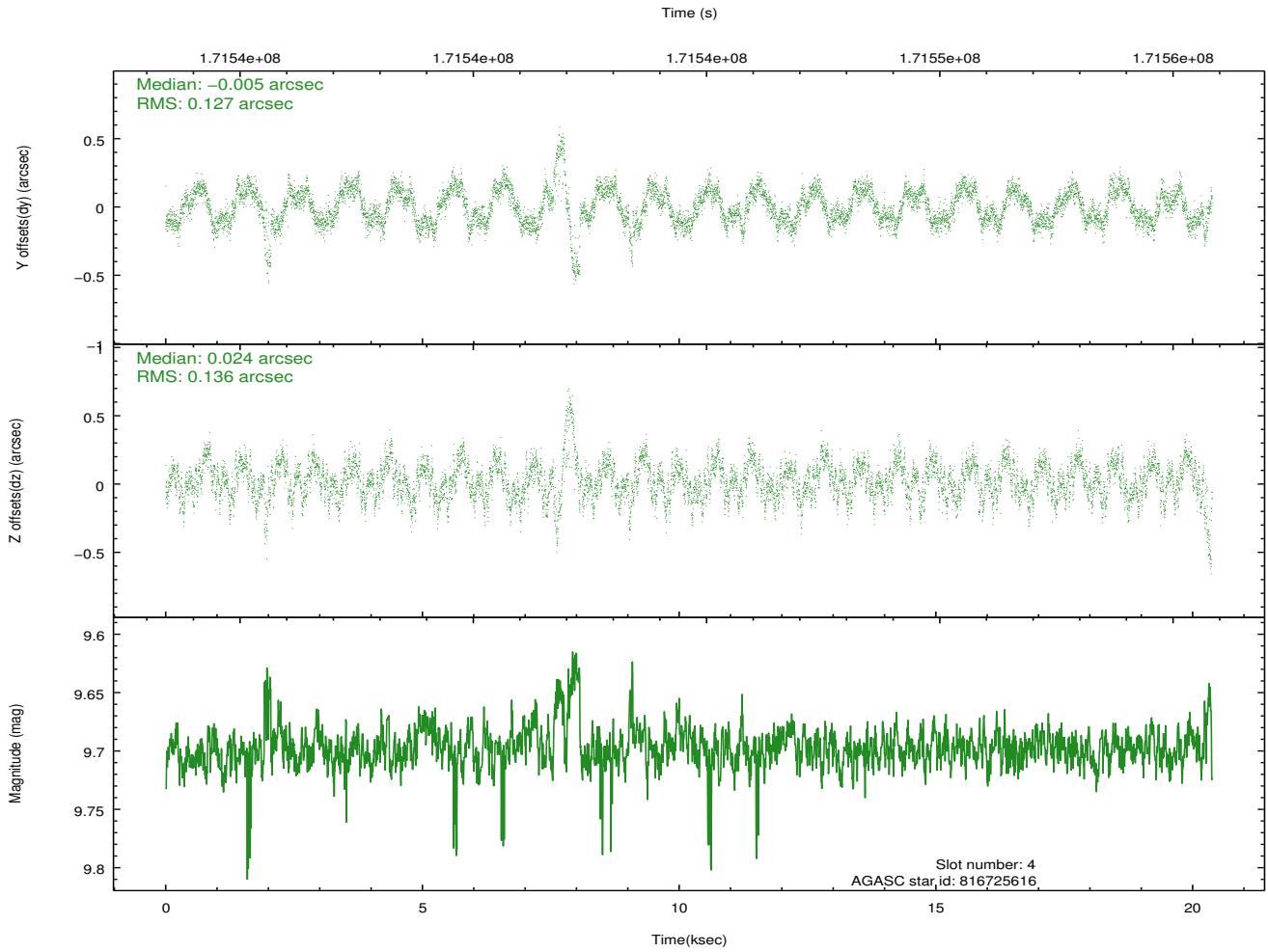
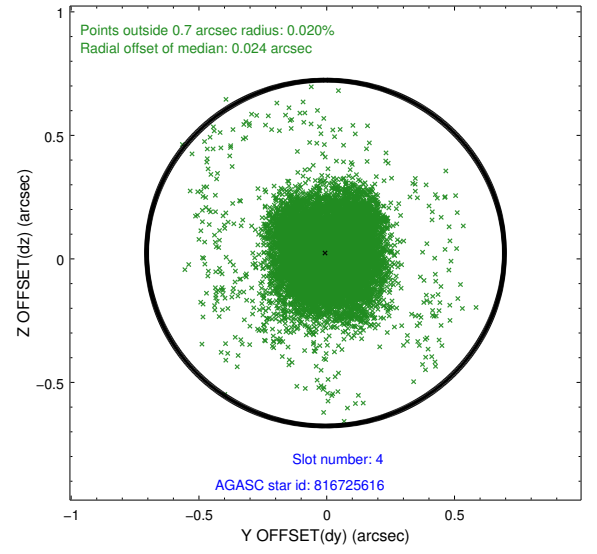
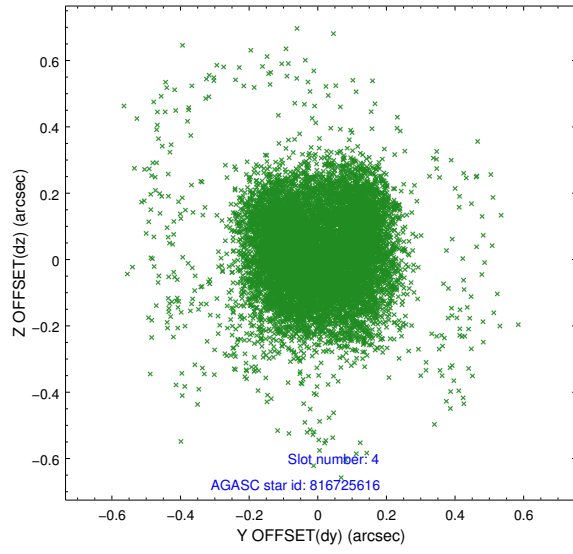
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	4970	0.021	-0.020	0.030	0.049	0.000000	0.000000	938.38	-1725.09
1	FID	ACIS-S-4	7.20	4969	0.034	0.007	0.018	0.025	0.000000	0.000000	2155.95	178.89
2	FID	ACIS-S-5	7.23	4971	-0.081	0.025	0.014	0.027	0.000000	0.000000	-1810.31	172.78
3	GUIDE	816721800	9.65	9939	0.090	0.085	0.126	0.202	255.611418	-22.001924	-1946.87	-1730.98
4	GUIDE	816725616	9.70	9940	-0.005	0.024	0.188	0.301	255.331515	-22.355374	-482.55	-2319.10
5	GUIDE	892732184	7.91	9942	-0.031	-0.227	0.087	0.136	255.982486	-22.880947	815.57	244.95
6	GUIDE	892734656	9.40	9938	0.053	0.048	0.091	0.144	256.376325	-23.351492	2140.72	1923.28
7	GUIDE	892755368	9.86	9933	-0.102	0.079	0.135	0.217	256.498414	-22.856757	315.61	1884.69

2.4 Star Slots

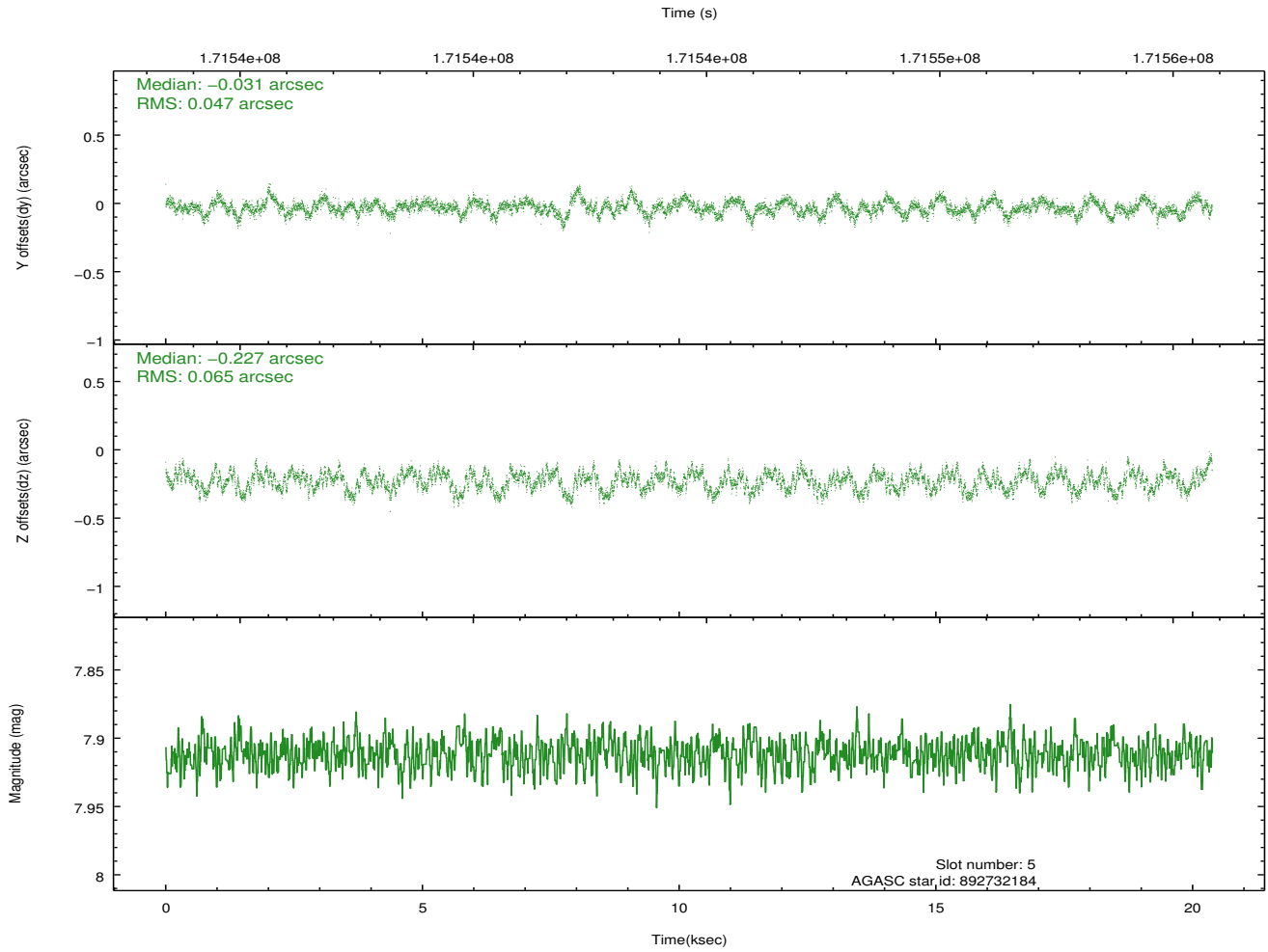
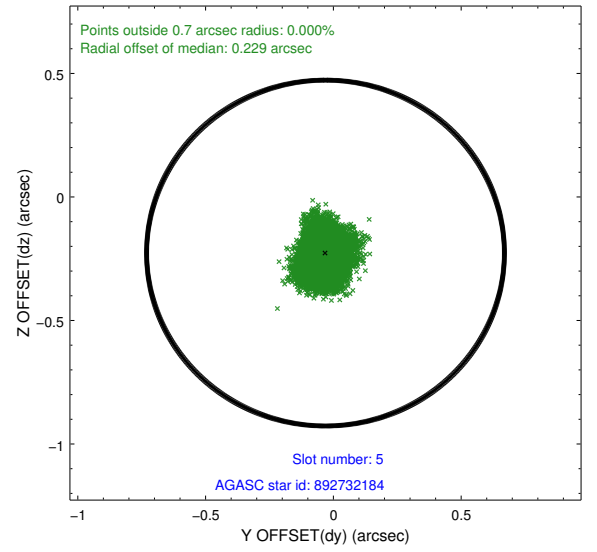
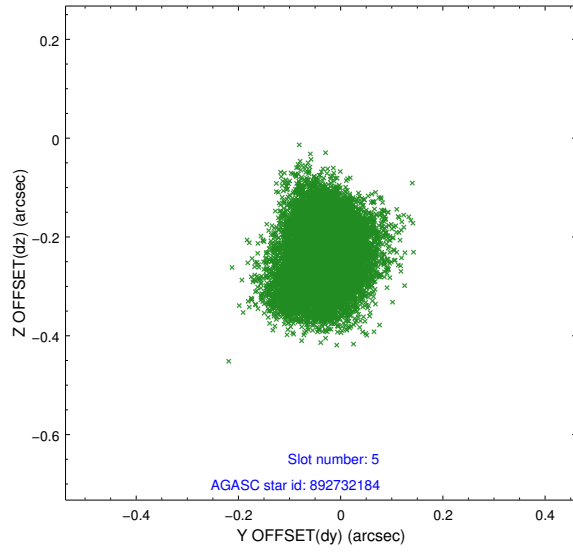
2.4.1 Slot 3



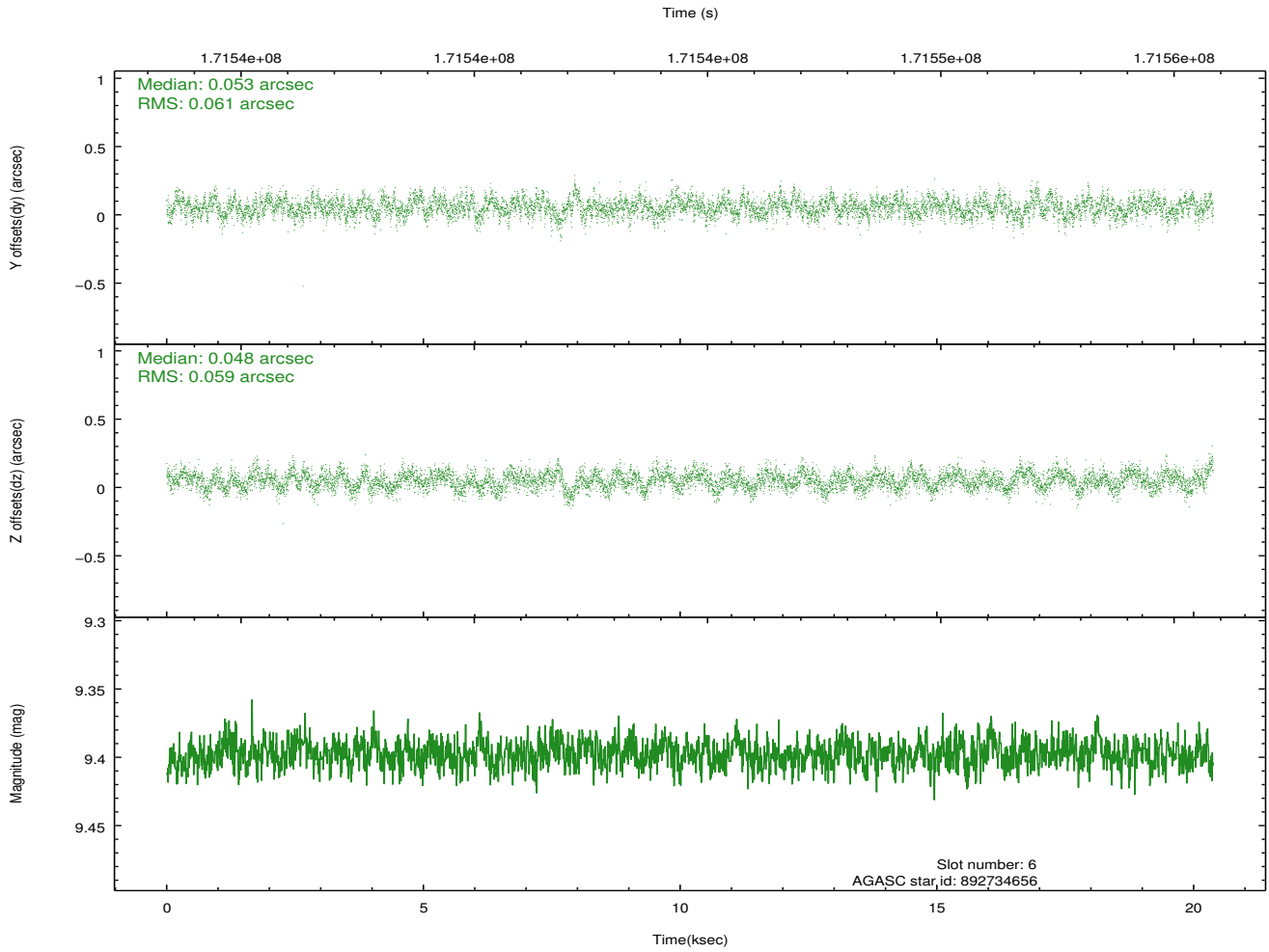
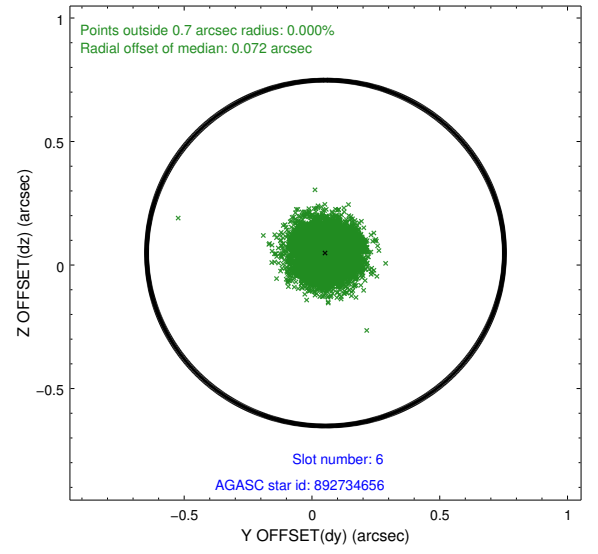
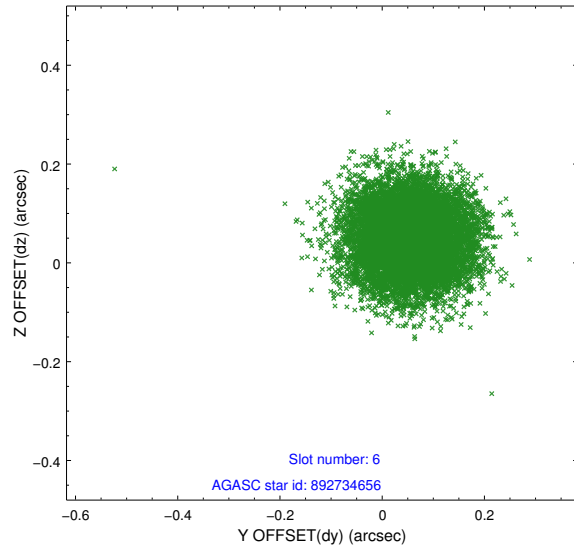
2.4.2 Slot 4



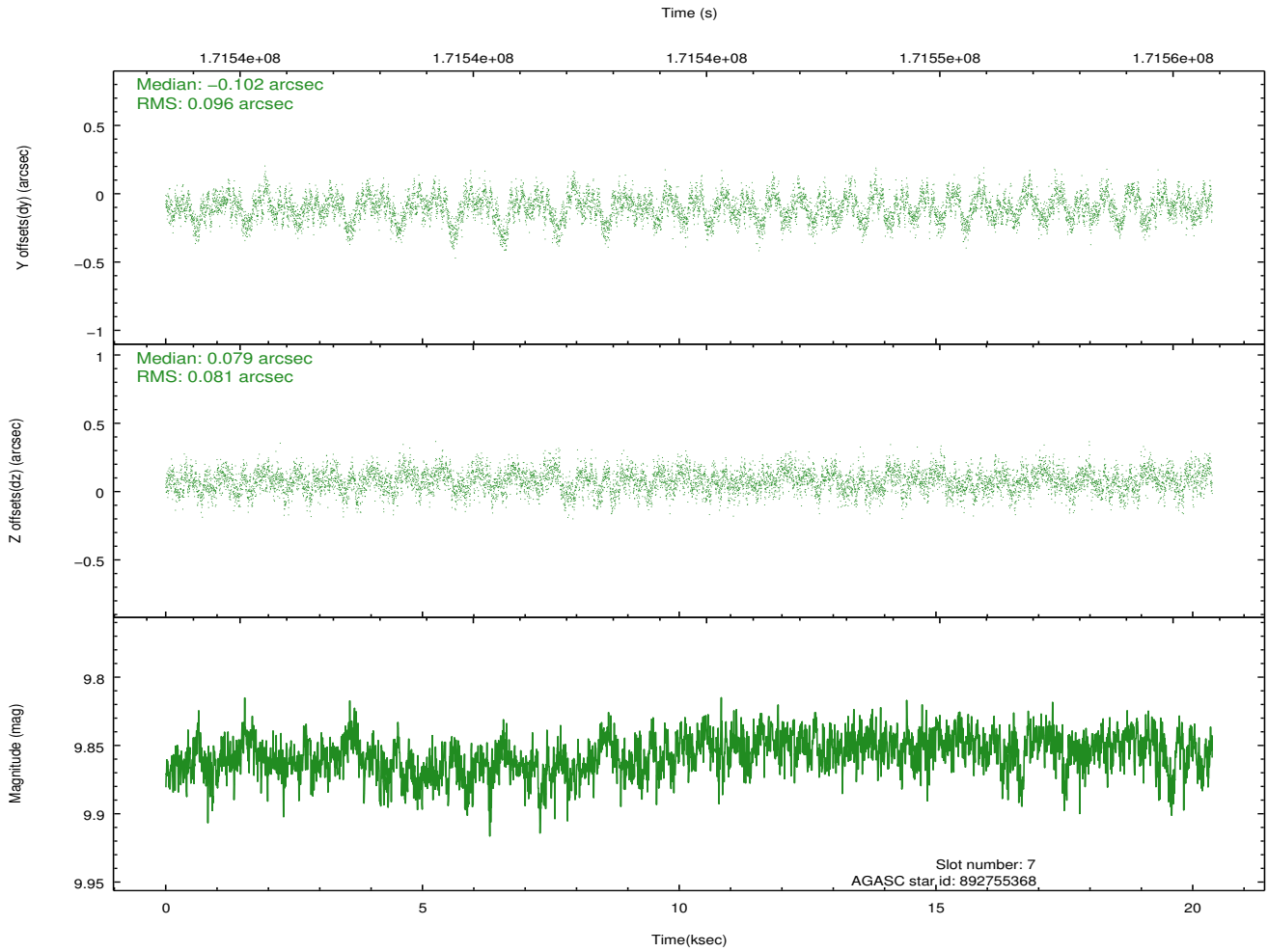
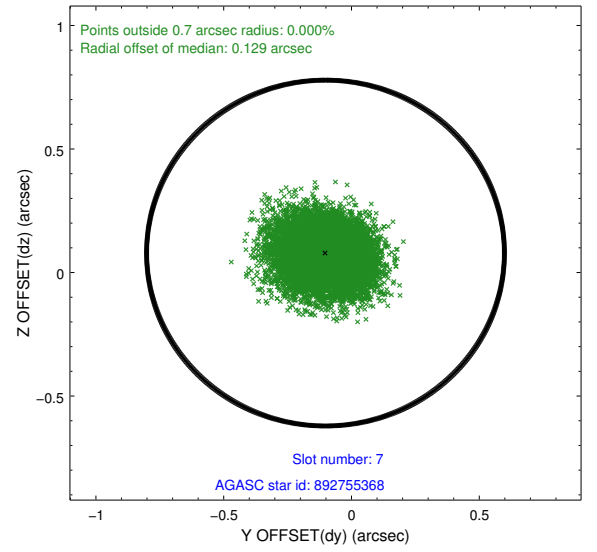
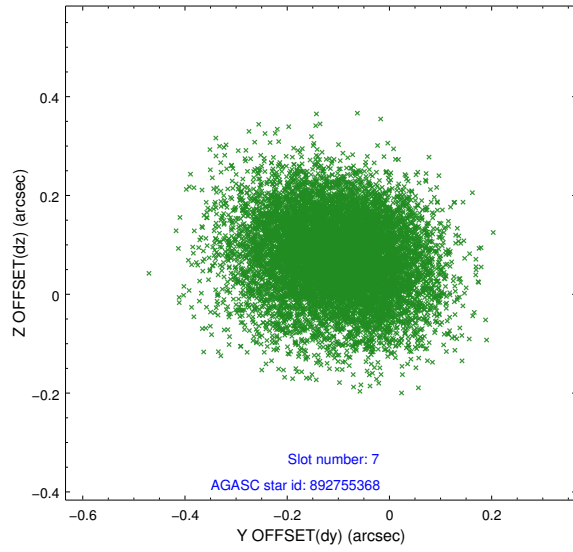
2.4.3 Slot 5



2.4.4 Slot 6

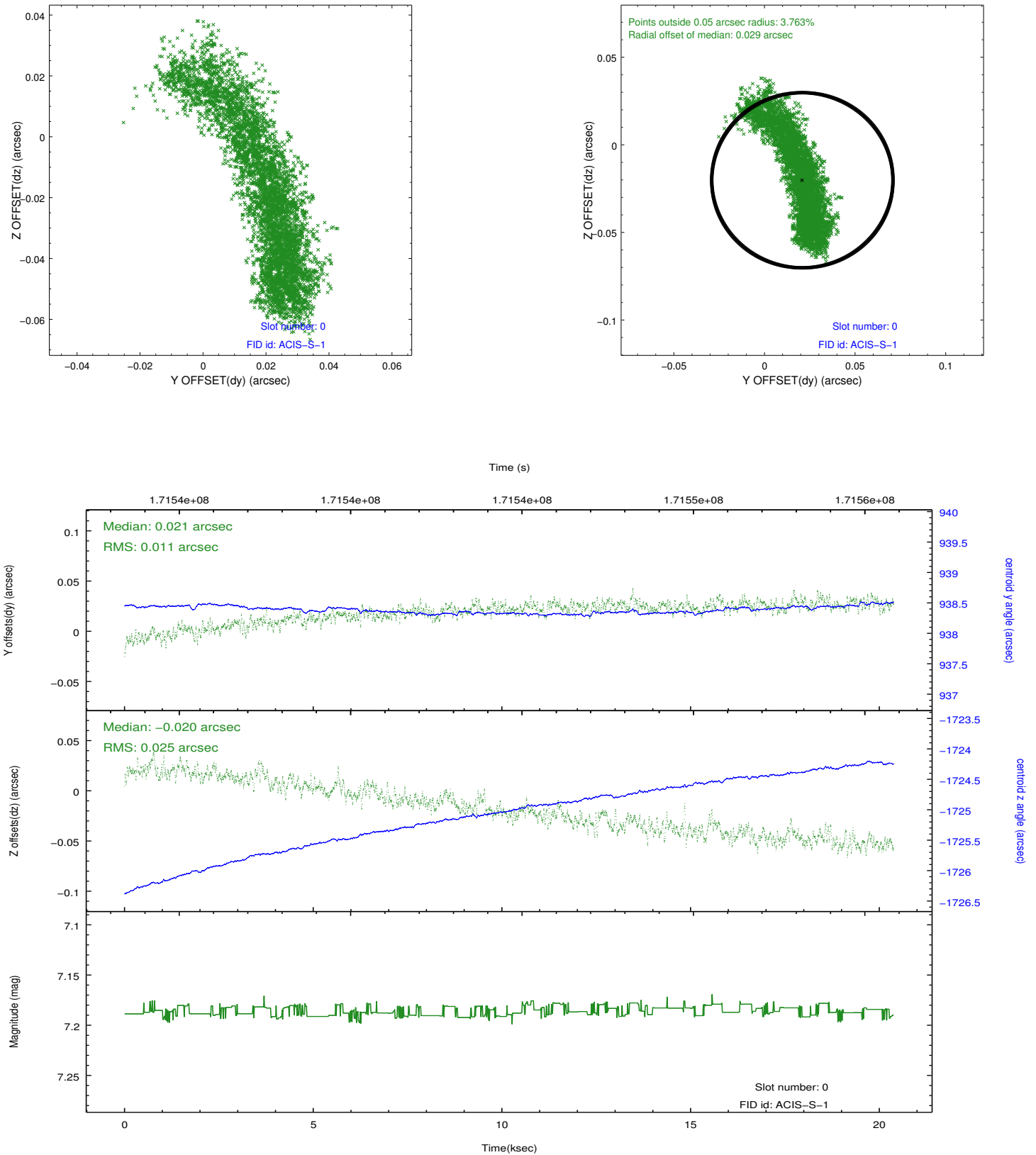


2.4.5 Slot 7

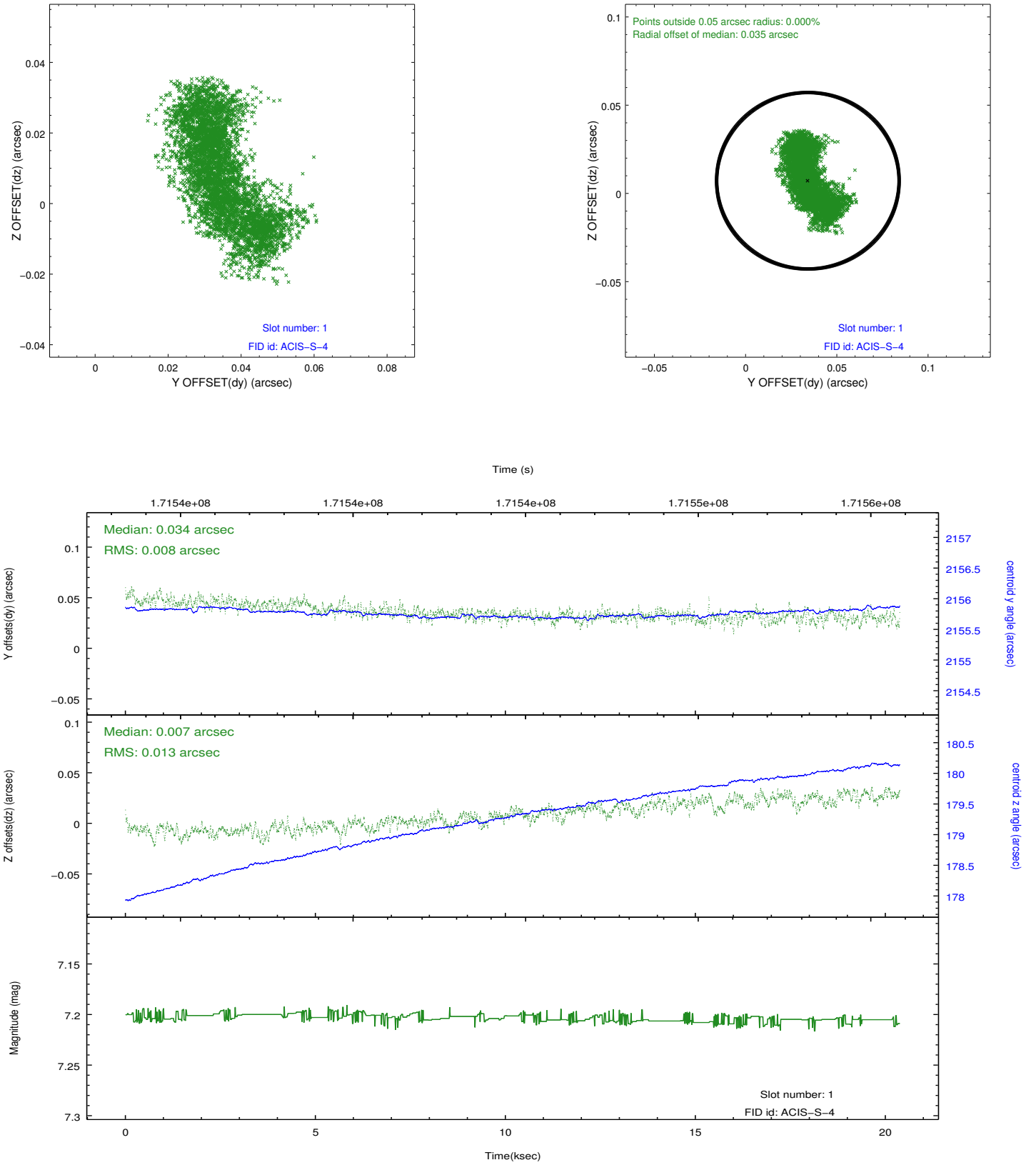


2.5 FID Slots

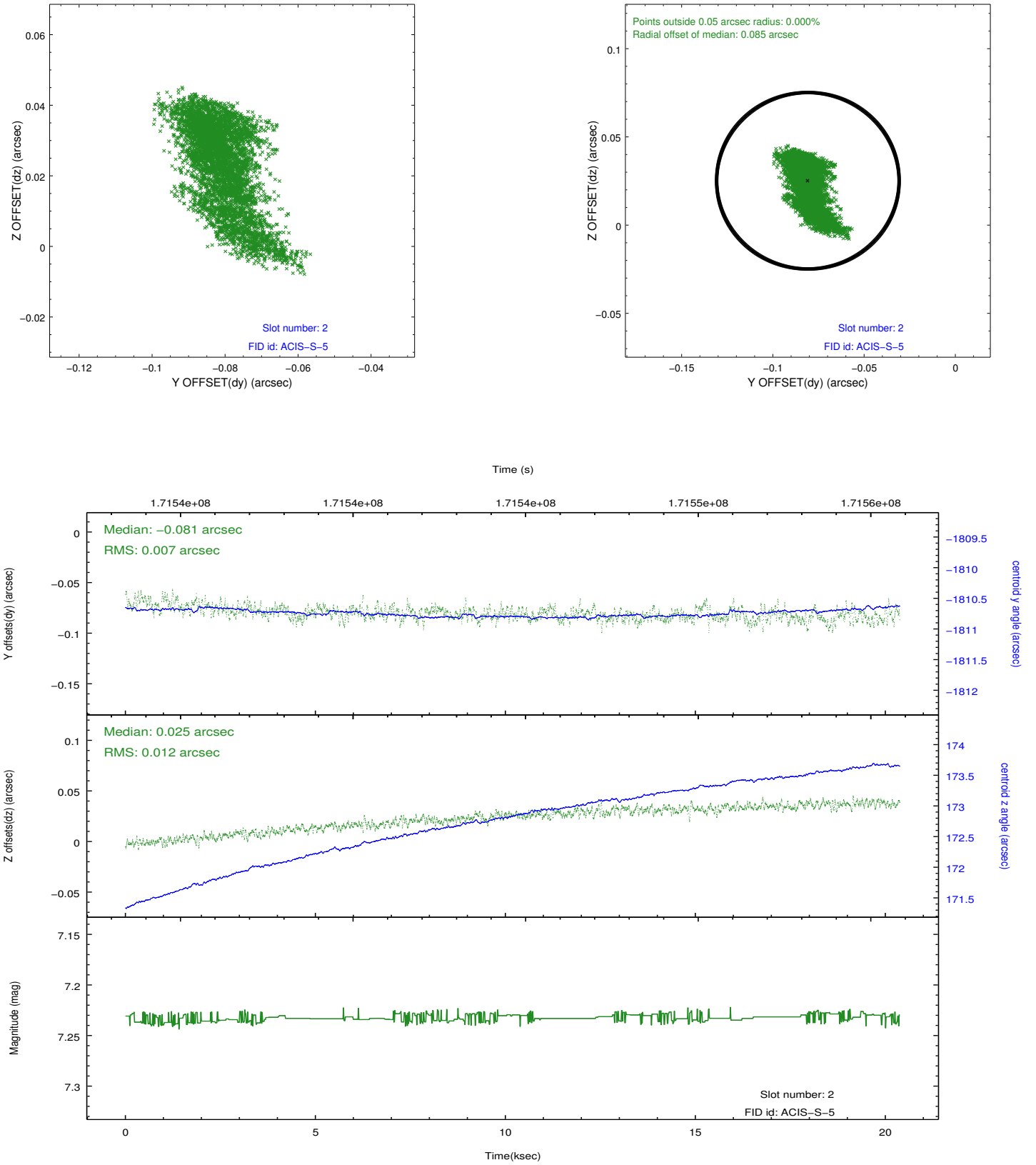
2.5.1 Slot 0



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)	2012.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.342

A.2 Comments

Monitor constraint met.