

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6745 - L2 Version 2
Chandra X-Ray Center

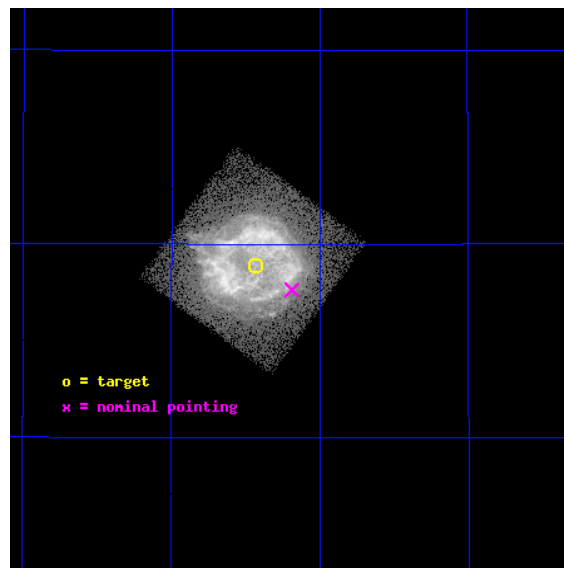
L2 Processing Date : Apr 11 2012

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1 Front

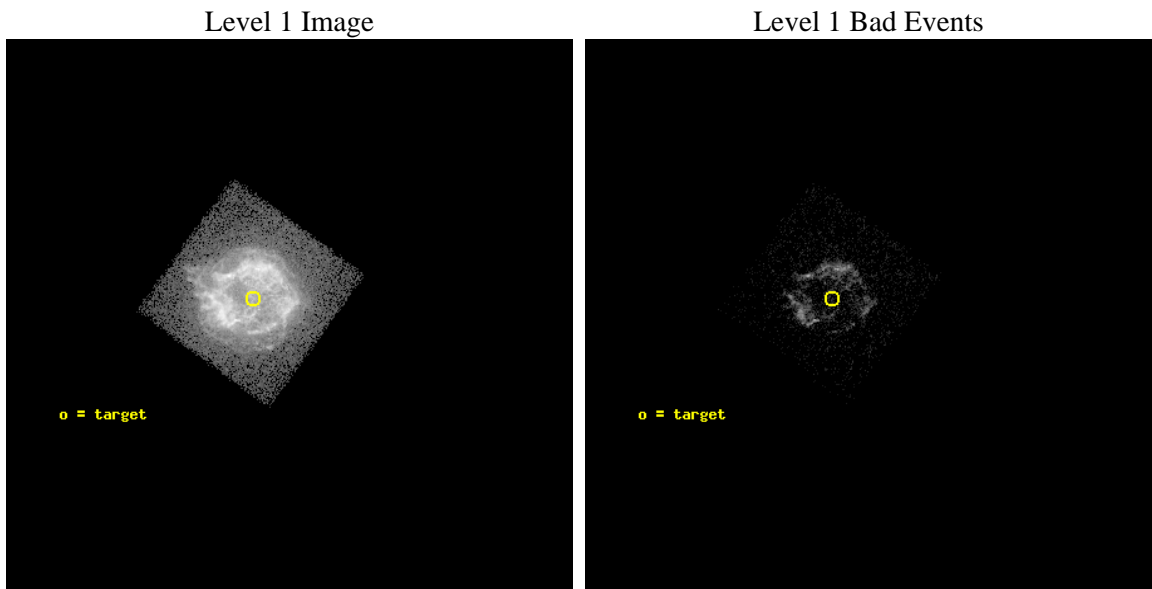
seq_num	590428	Sequence number
obs_id	6745	Observation id
title	AO7 Observations of the Standard Candles Cas A and G21.5-09	Propos
observer	Dr. CXC Calibration	Principal investigator
object	Cas A[S3,-120,-2.0,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.79708870837	Nominal RA [deg]
dec_nom	58.794167859067	Nominal Dec [deg]
roll_nom	216.14689663497	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1247.3877436519	Sum of GTIs [s]
livetime	1231.592568955	Livetime [s]
ontime2	1843.9828249216	Sum of GTIs [s]
ontime3	2002.7902896404	Sum of GTIs [s]
ontime5	2035.1999924779	Sum of GTIs [s]
ontime6	1967.139696002	Sum of GTIs [s]
ontime7	1247.3877436519	Sum of GTIs [s]
ontime8	2035.1999924779	Sum of GTIs [s]
l2events	364249	Number of level 2 events



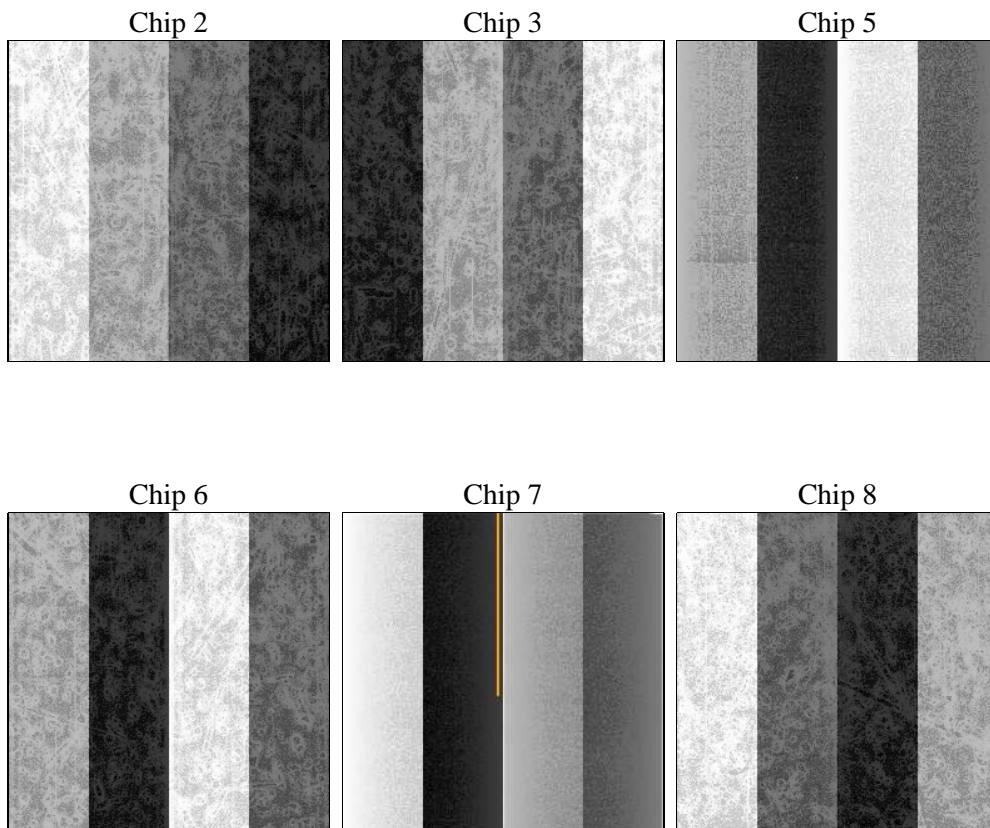
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	1247.3877436519	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	1843.9828249216	Sum of GTIs [s]
date	2012-04-11T14:59:18	Date and time of file creation	ontime3	2002.7902896404	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2035.1999924779	Sum of GTIs [s]
			ontime6	1967.139696002	Sum of GTIs [s]
			ontime7	1247.3877436519	Sum of GTIs [s]
			ontime8	2035.1999924779	Sum of GTIs [s]
			l1events	391160	Number of level 1 events

2.1.4 Events

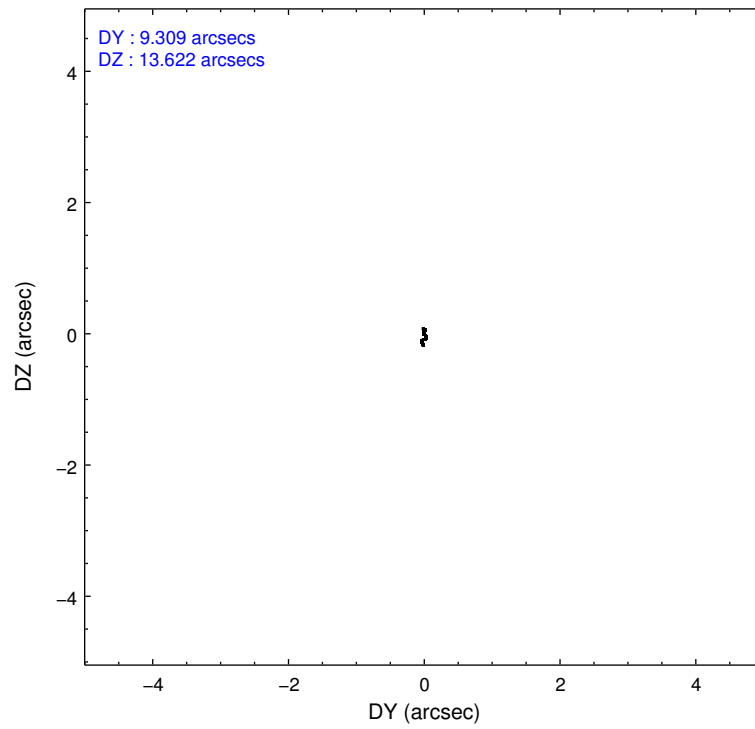
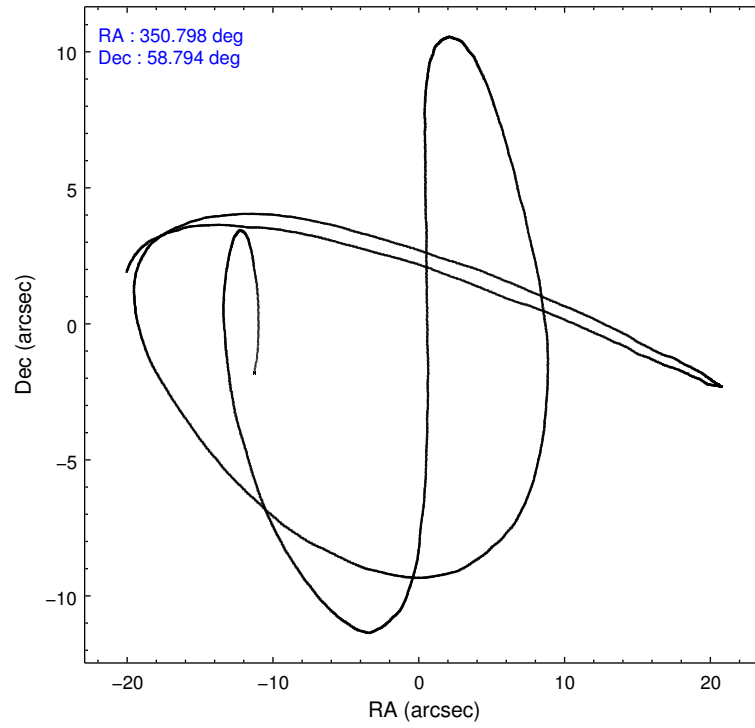
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	0	0	0	0	391160	0
rejected events	0	0	0	0	22260	0
rejected %	0%	0%	0%	0%	5%	0%

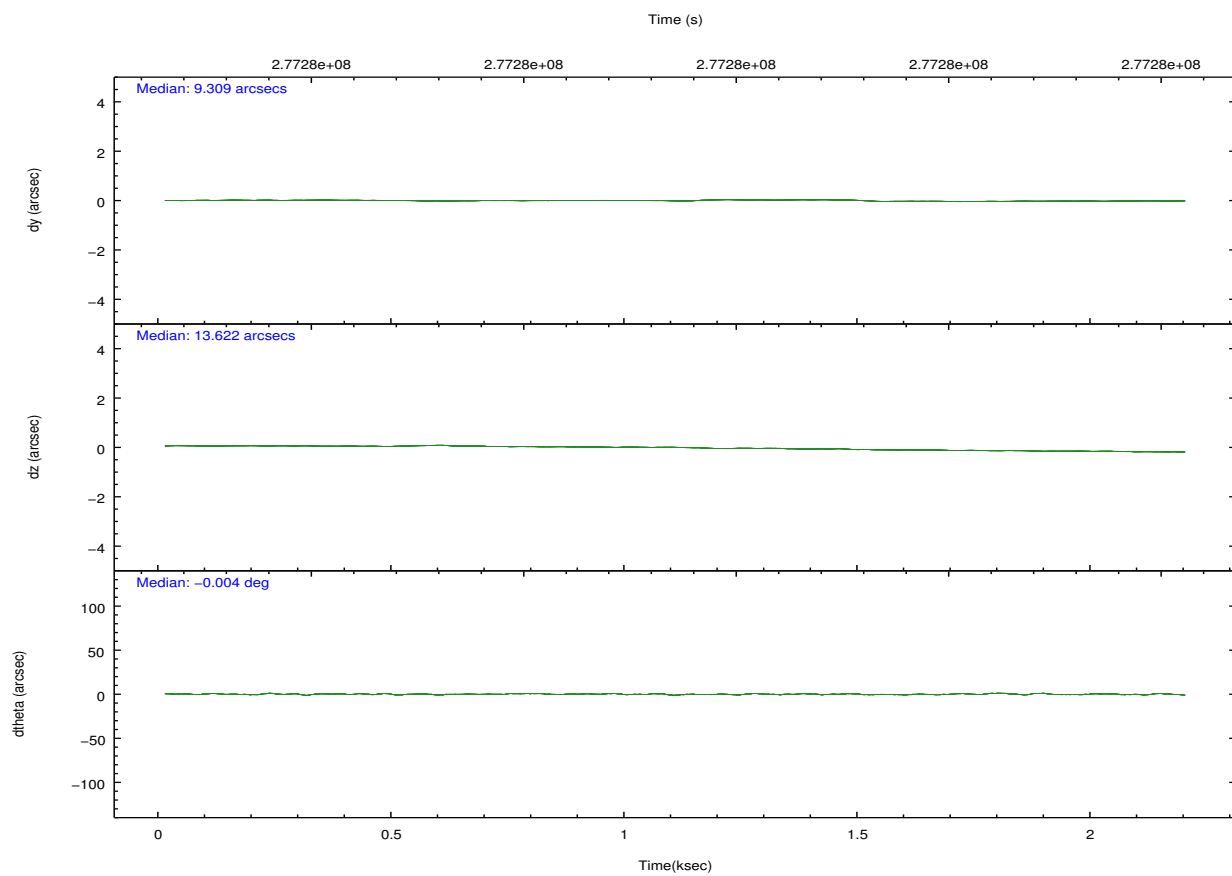
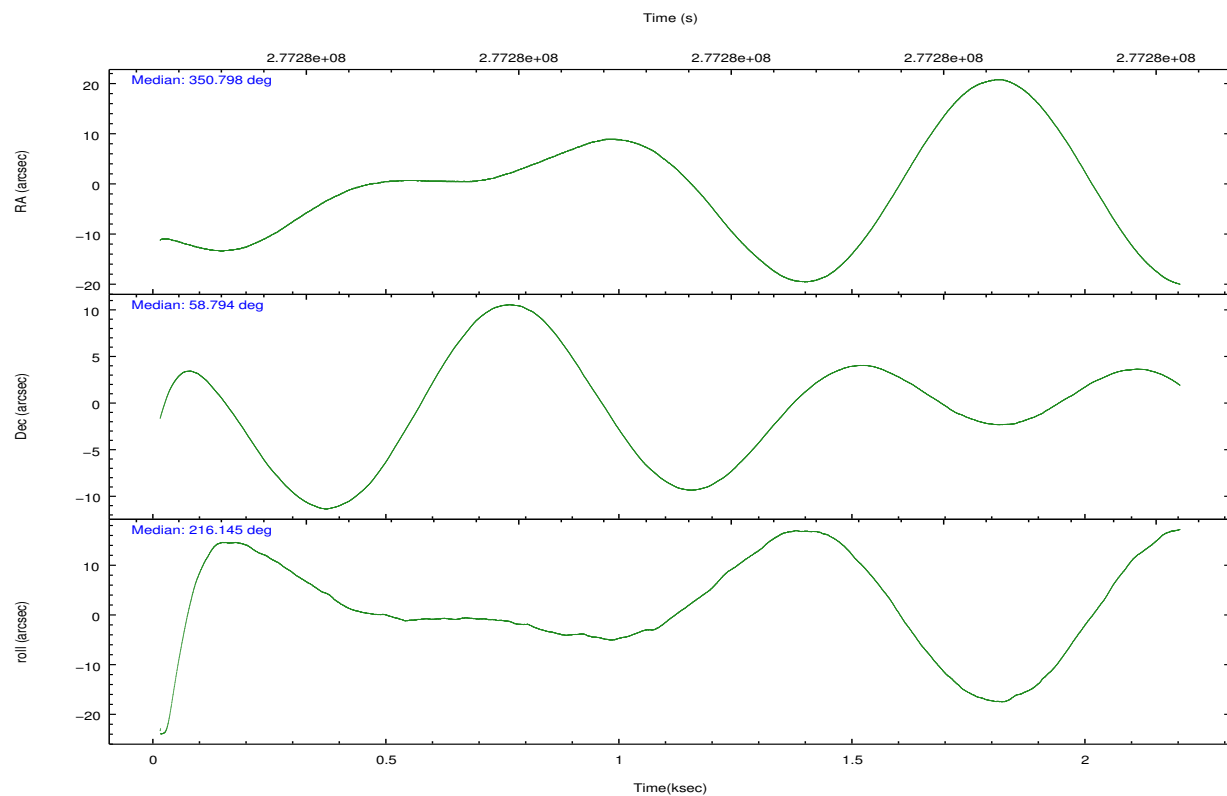
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	0	0	0	0	95304	0
	0%	0%	0%	0%	24%	0%
grade 1 events	0	0	0	0	1936	0
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	0	0	99177	0
	0%	0%	0%	0%	25%	0%
grade 3 events	0	0	0	0	43005	0
	0%	0%	0%	0%	10%	0%
grade 4 events	0	0	0	0	43078	0
	0%	0%	0%	0%	11%	0%
grade 5 events	0	0	0	0	7235	0
	0%	0%	0%	0%	1%	0%
grade 6 events	0	0	0	0	89250	0
	0%	0%	0%	0%	22%	0%
grade 7 events	0	0	0	0	12175	0
	0%	0%	0%	0%	3%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	350.817843	350.7970887083683	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.819285	58.79416785906724	Alternating exposures requested	N	N
[deg] Pointing Roll	215.972730	216.1468966349736	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	273456065.184000	273456065.184000			
[s] Window stop time (MET)	281232065.184000	281232065.184000			
[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)	277274957.184000	277273931.69992			
Observation start date	2006-10-15T04:48:12	2006-10-15T04:32:11			
[s] Observation end time (MET)	277276957.184000	277277090.75007			
Observation end date	2006-10-15T05:21:32	2006-10-15T05:24:50			
Read mode	TIMED	TIMED			

2.3 Aspect



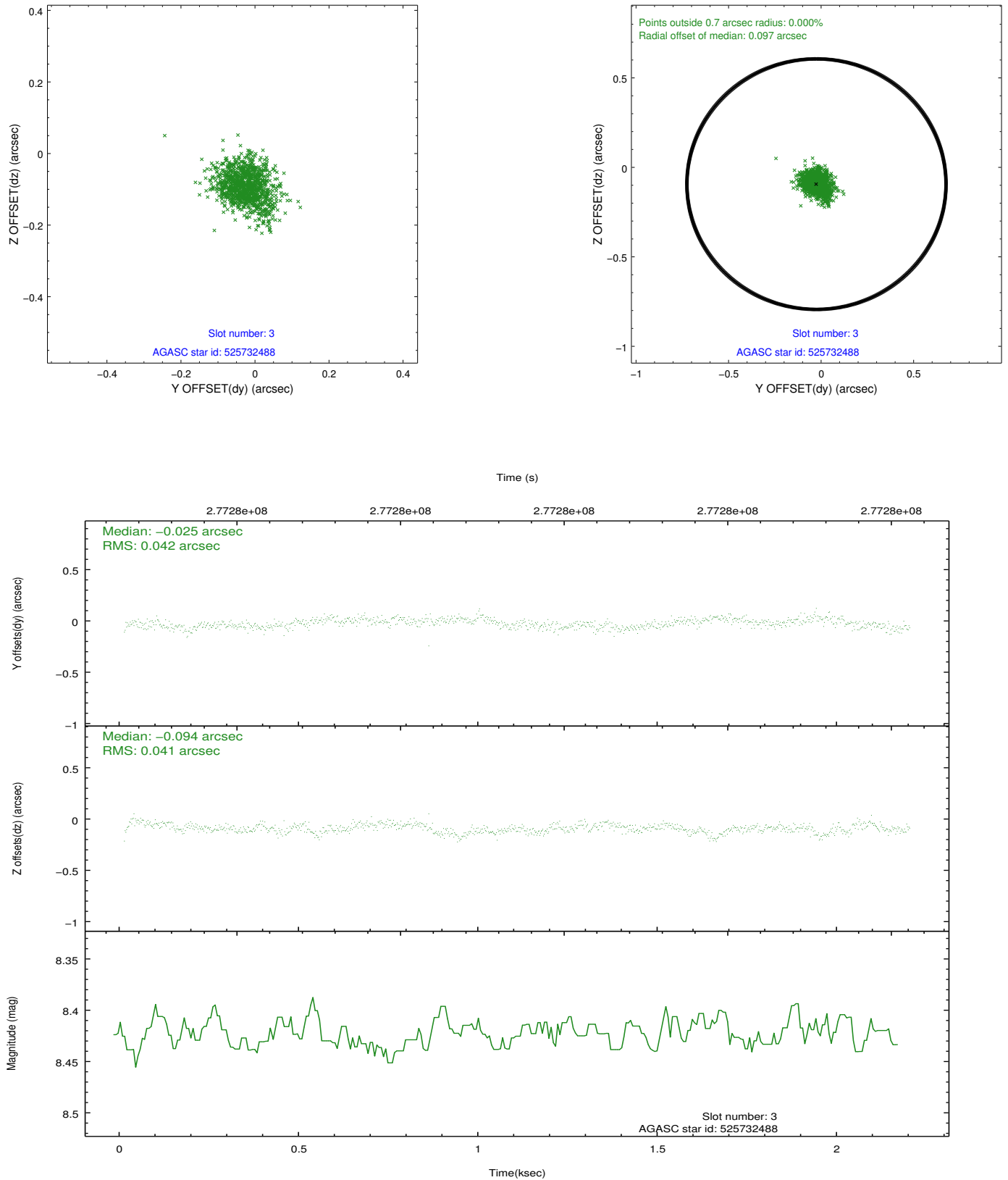


Slot Statistics

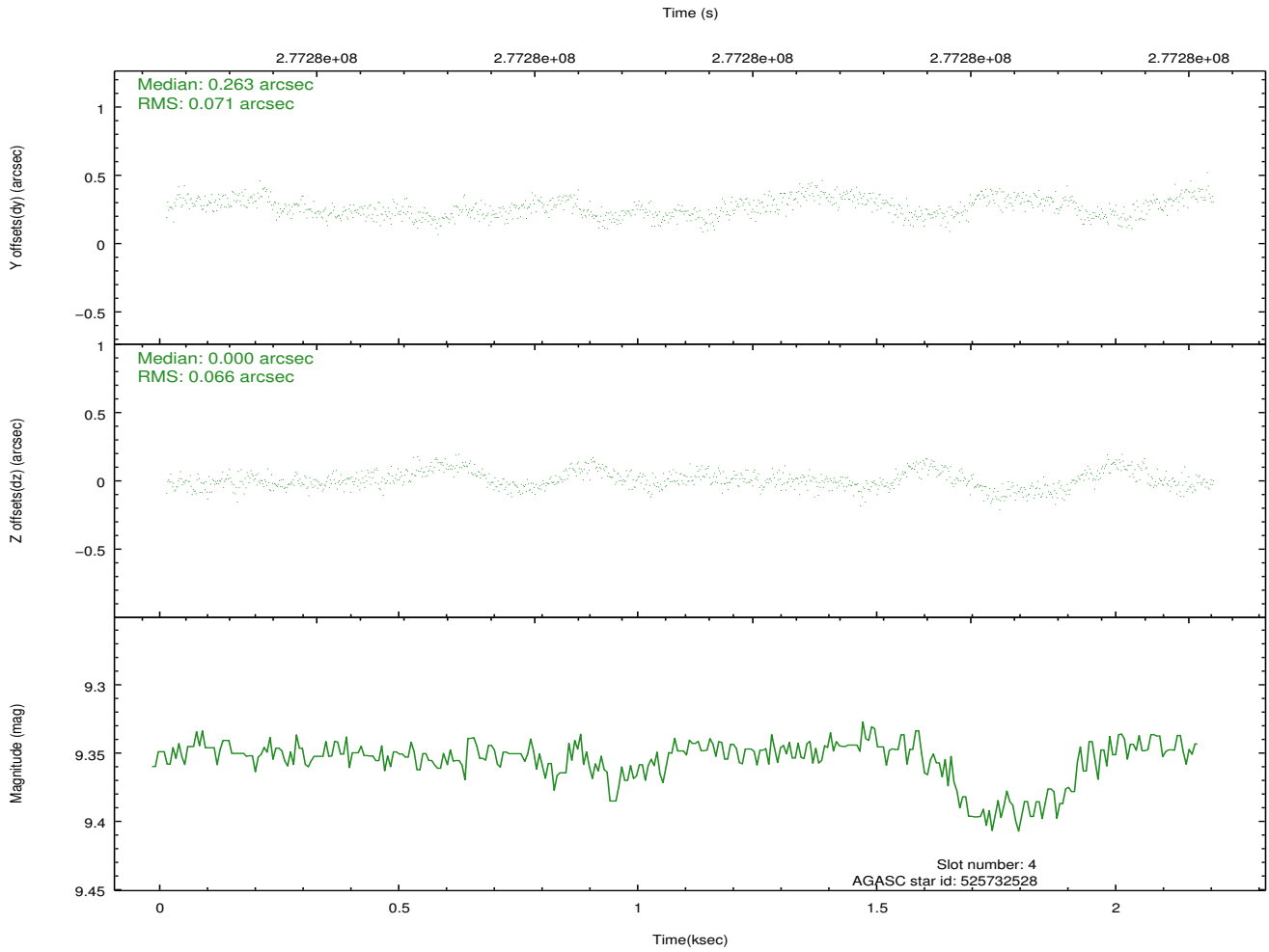
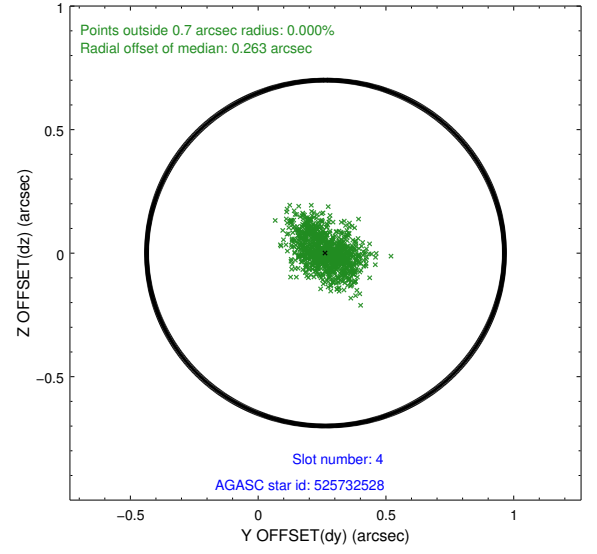
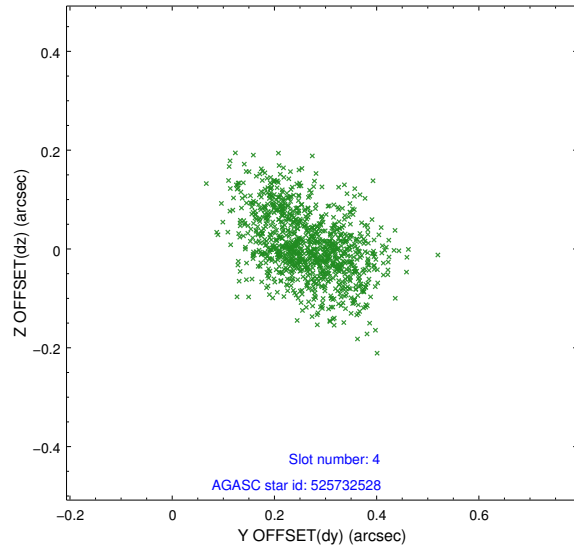
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	534	-0.026	0.002	0.006	0.011	0.000000	0.000000	933.85	-1730.58
1	FID	ACIS-S-4	7.20	534	0.059	0.010	0.006	0.011	0.000000	0.000000	2153.03	170.48
2	FID	ACIS-S-6	7.34	535	-0.056	-0.002	0.007	0.011	0.000000	0.000000	403.63	811.24
3	GUIDE	525732488	8.42	1068	-0.025	-0.094	0.061	0.101	350.087090	58.516915	1746.69	68.03
4	GUIDE	525732528	9.35	1067	0.263	0.000	0.105	0.165	351.607241	59.298932	-2191.62	-551.97
5	GUIDE	525735456	6.93	1068	-0.043	0.058	0.057	0.085	350.628183	59.307249	-752.16	-1627.11
6	GUIDE	525735976	8.87	1069	-0.061	0.029	0.064	0.109	350.142956	58.277622	2174.75	821.27
7	GUIDE	525609504	9.08	1068	-0.132	-0.003	0.098	0.162	349.896632	58.356658	2381.31	317.05

2.4 Star Slots

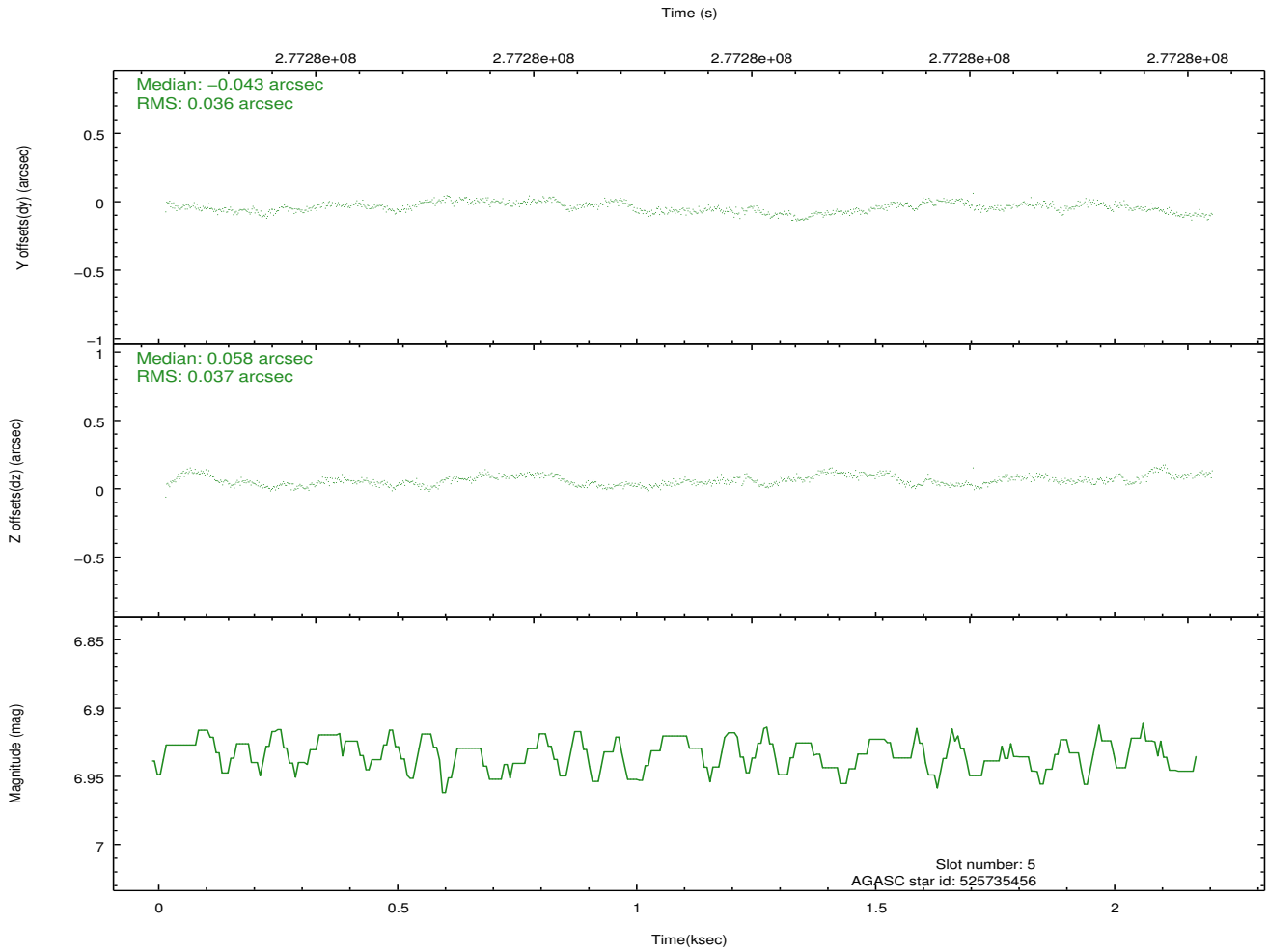
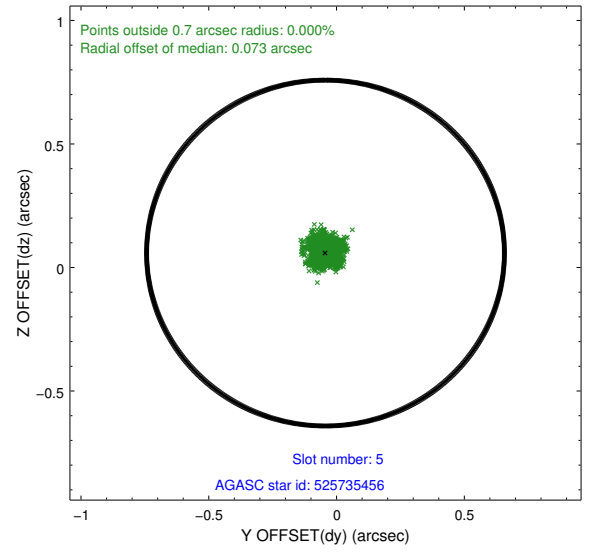
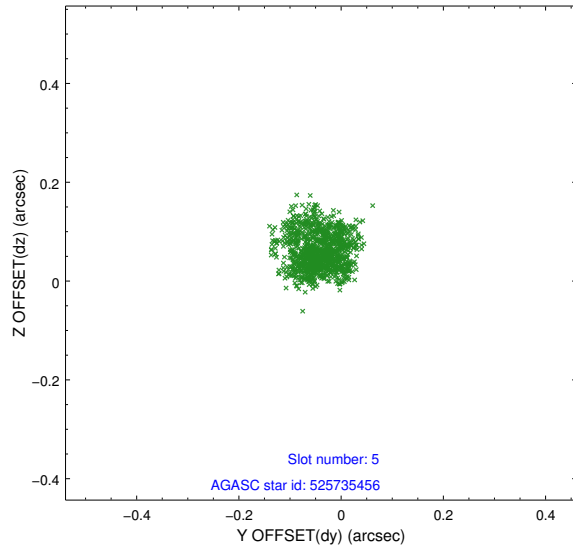
2.4.1 Slot 3



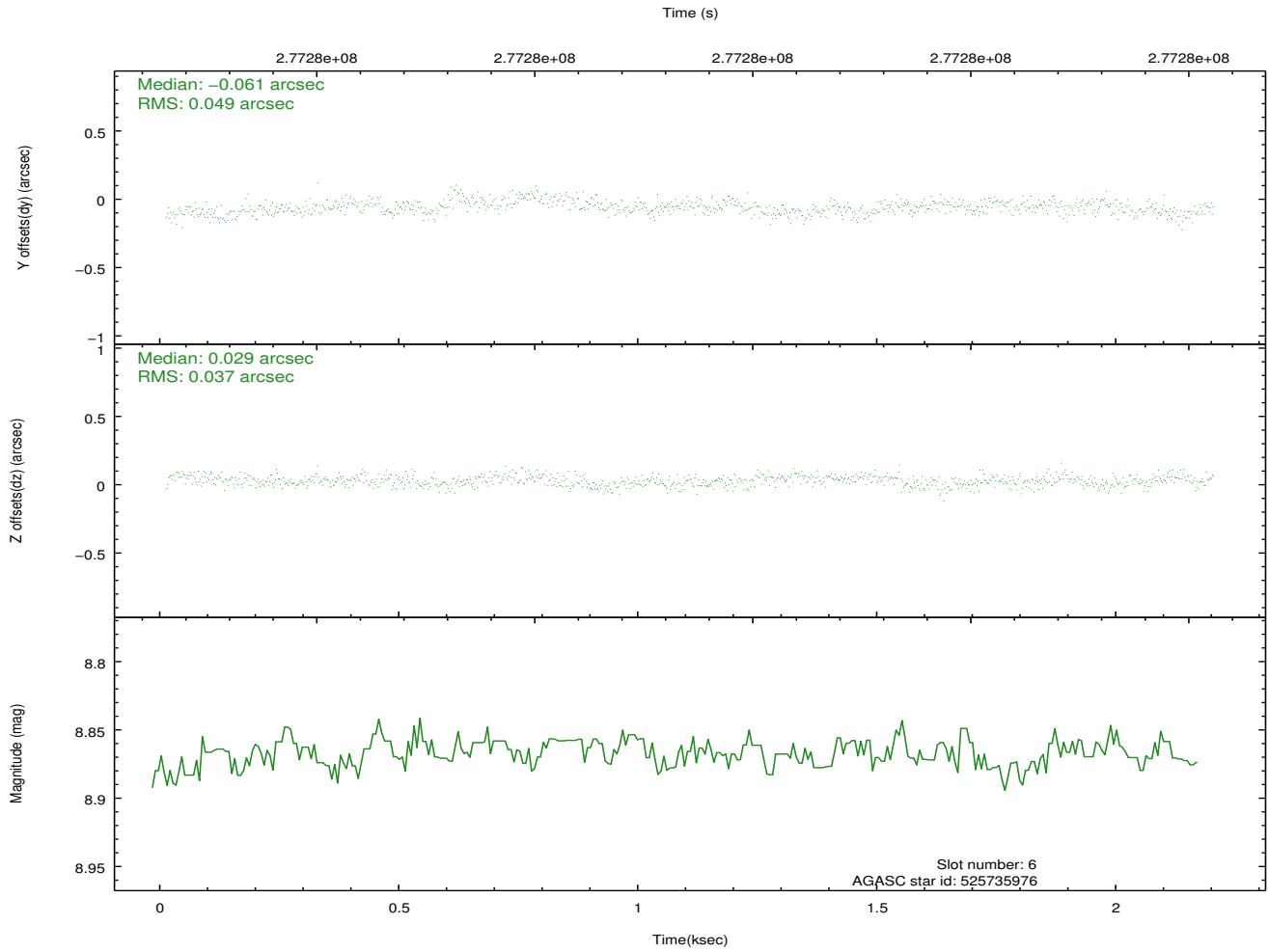
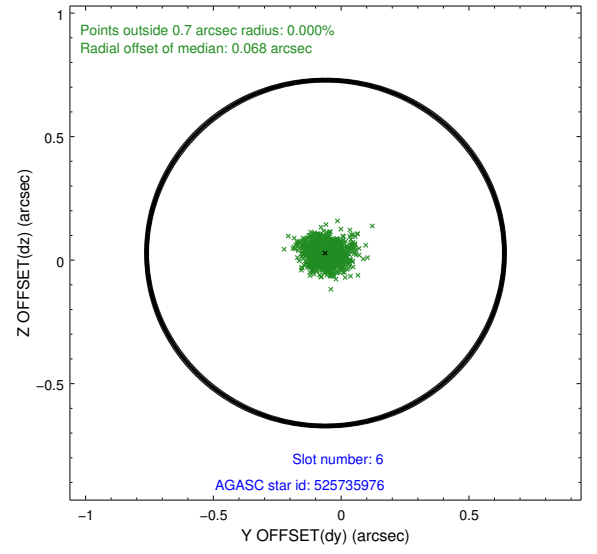
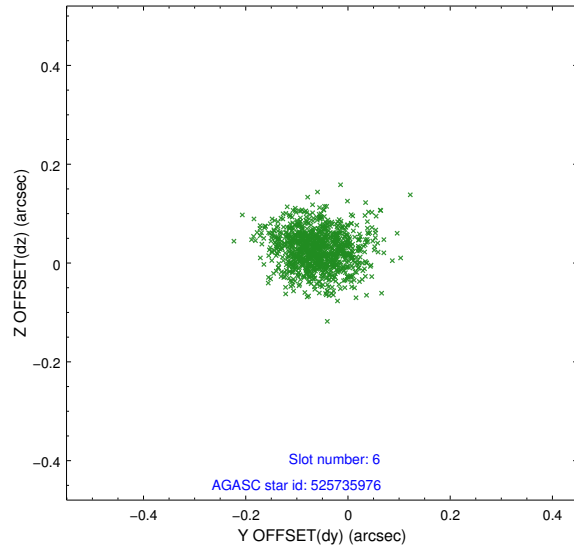
2.4.2 Slot 4



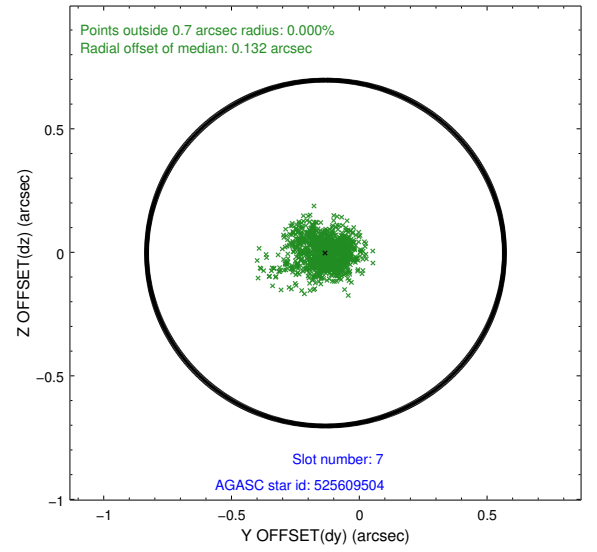
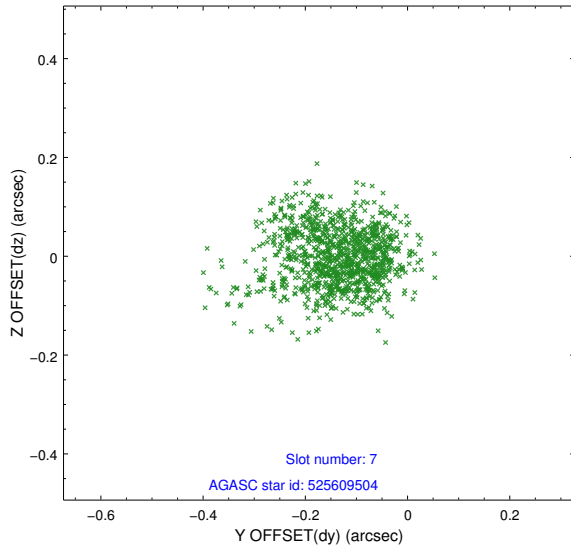
2.4.3 Slot 5



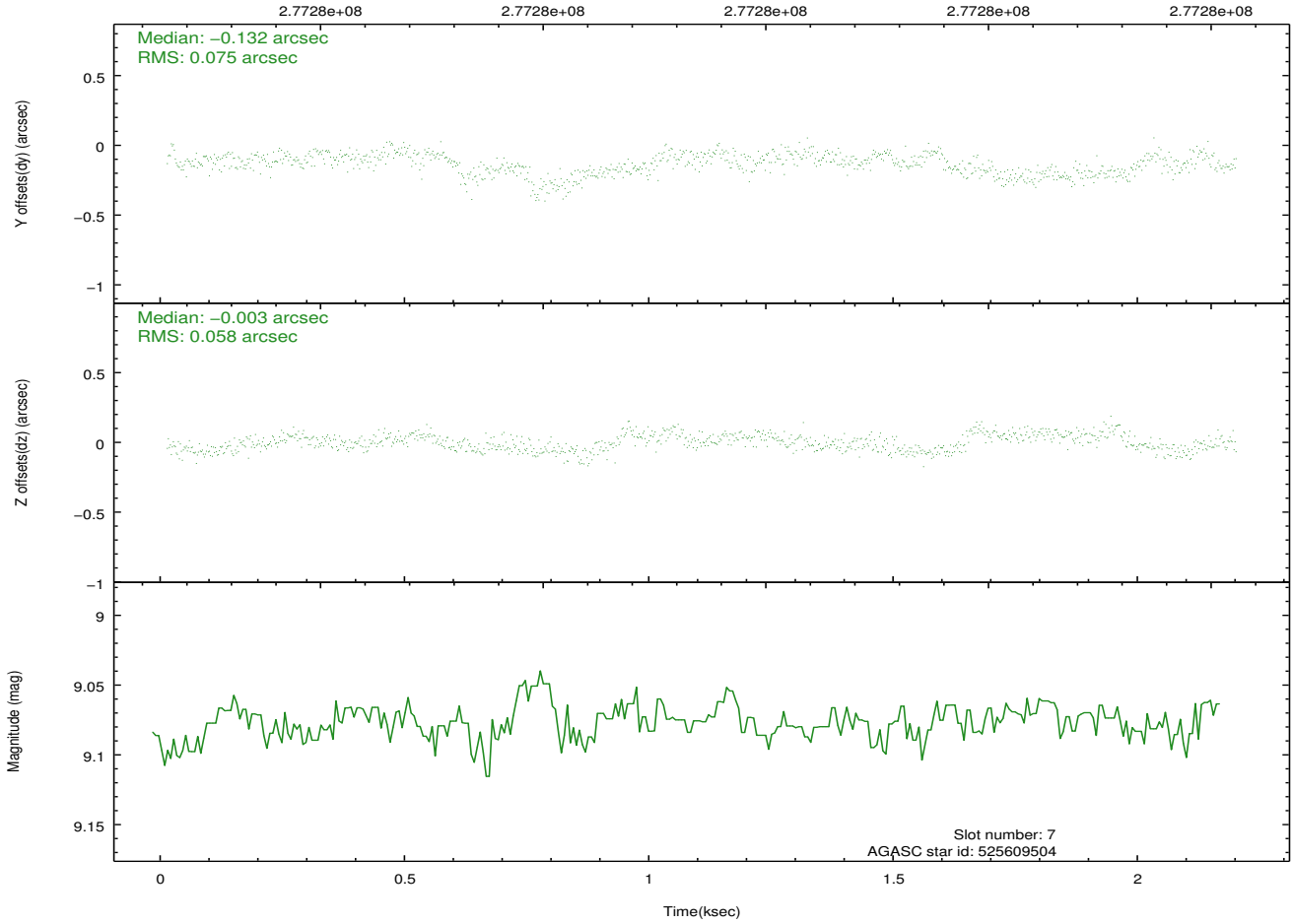
2.4.4 Slot 6



2.4.5 Slot 7

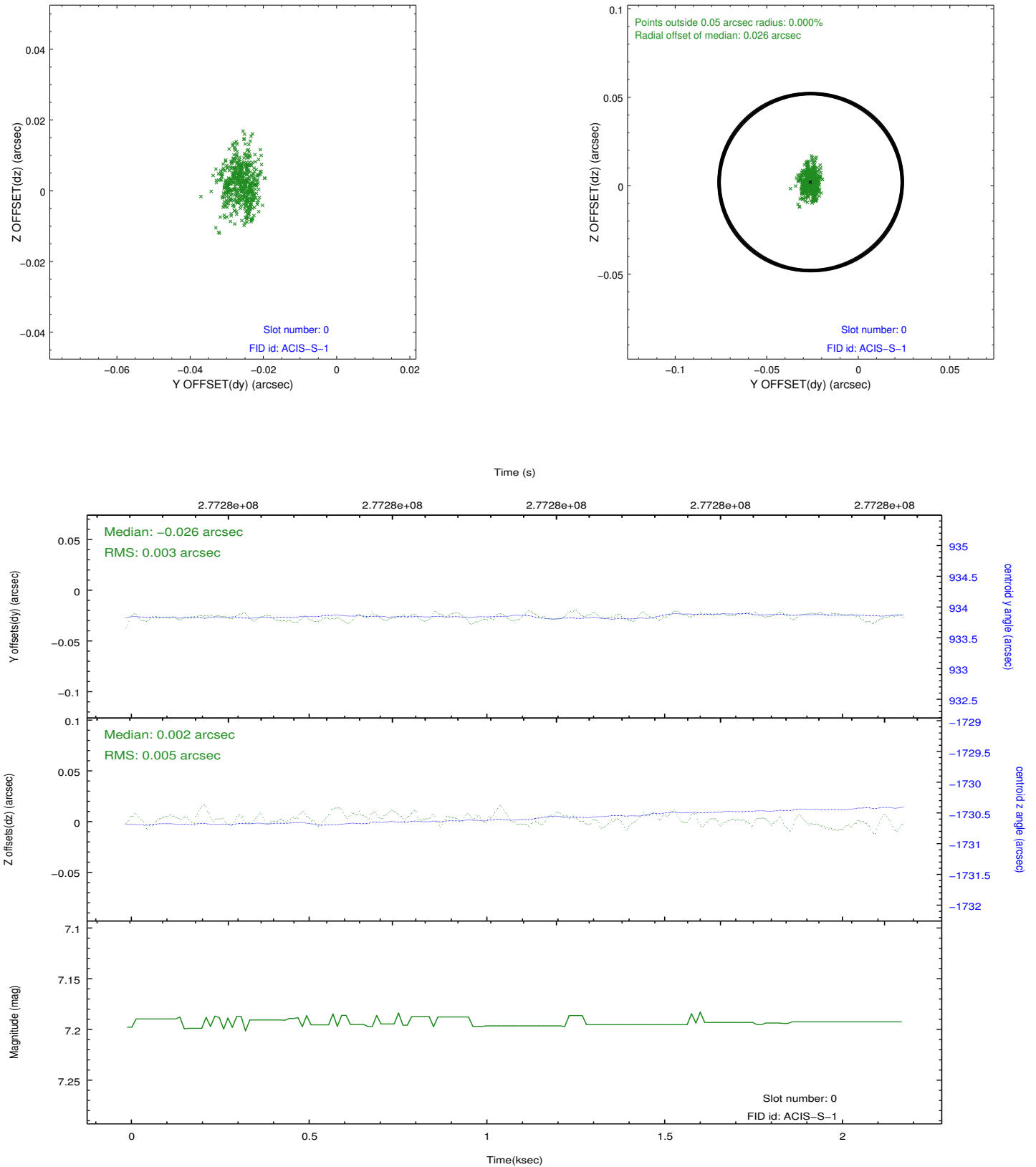


Time (s)

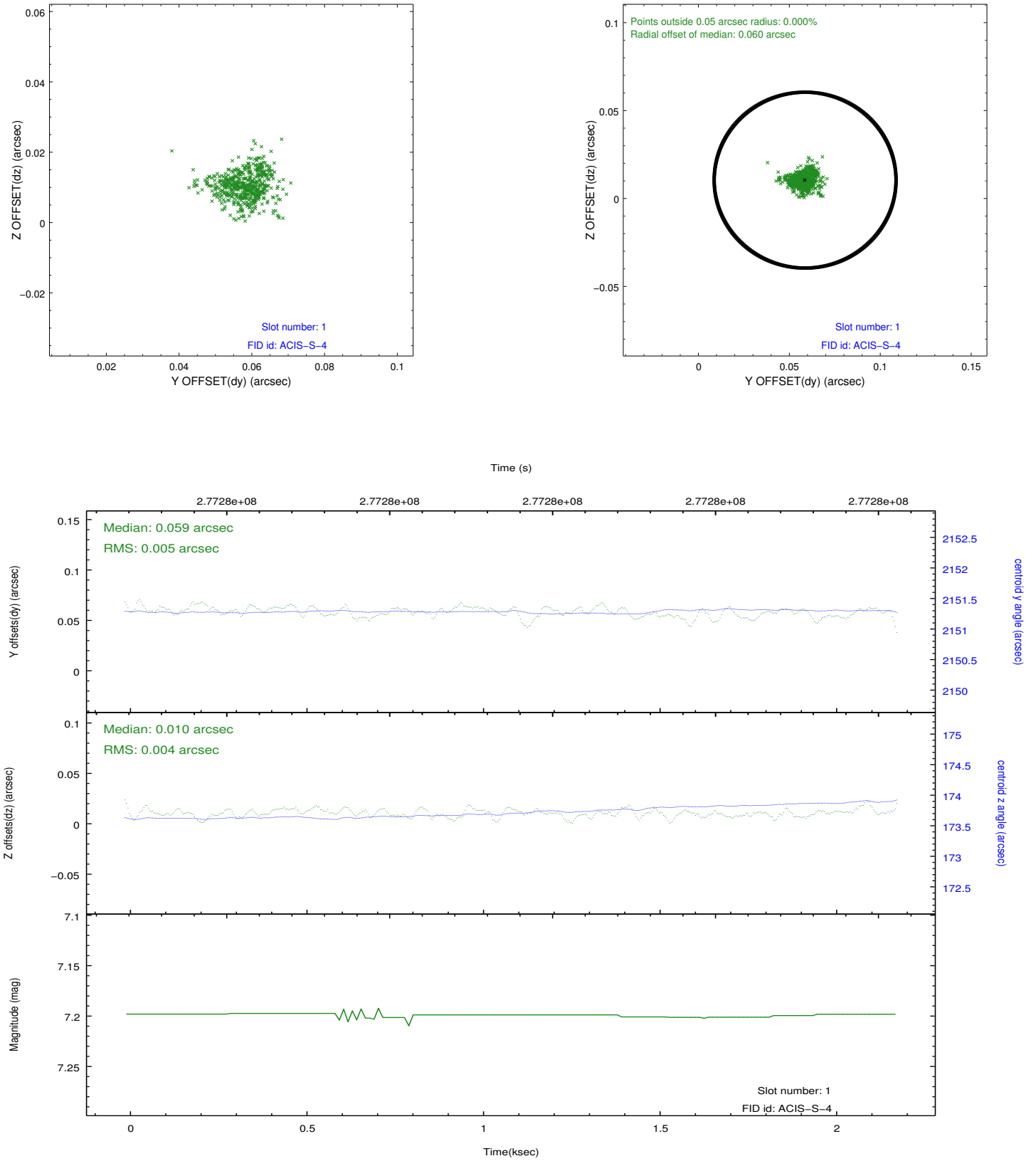


2.5 FID Slots

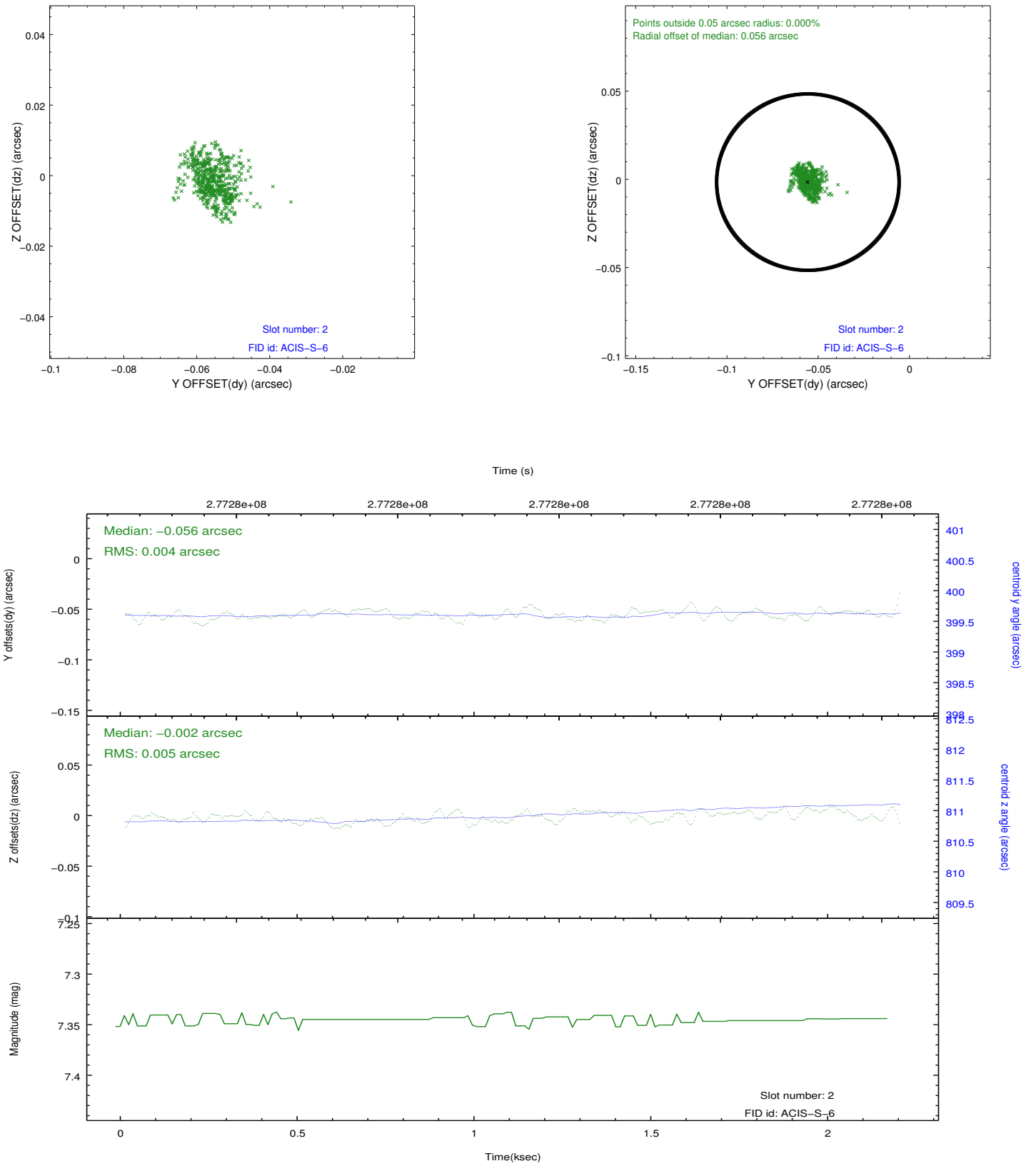
2.5.1 Slot 0



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)	2012.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.24578773

A.2 Comments

Window preference met.