

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3704 - L2 Version 3
Chandra X-Ray Center

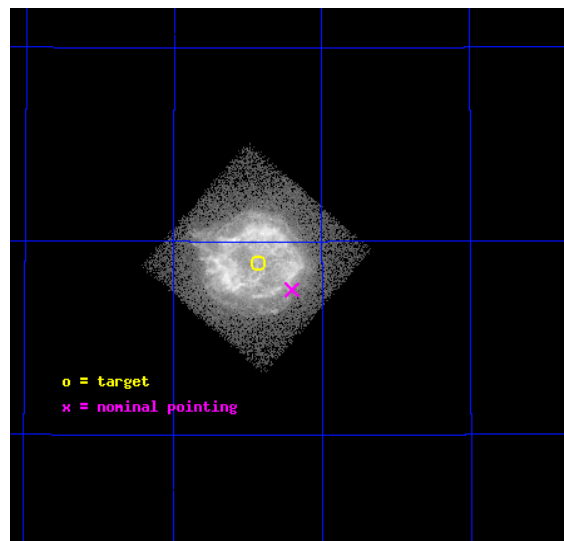
L2 Processing Date : Nov 5 2012

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1 Front

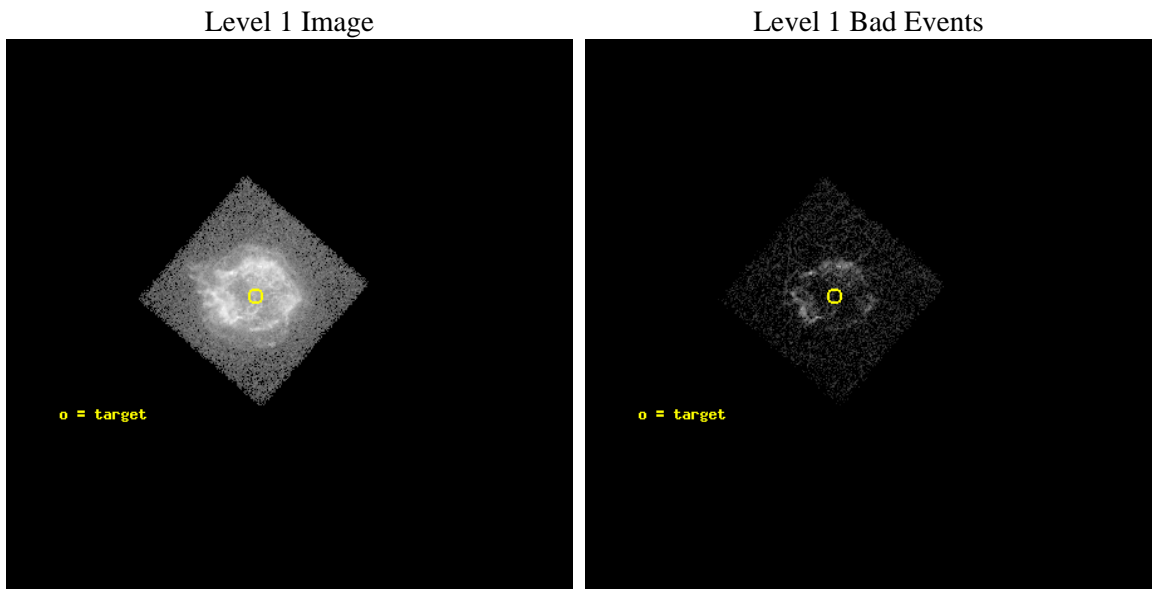
seq_num	590316	Sequence number
obs_id	3704	Observation id
title	AO4B OBSERVATIONS OF THE STANDARD CANDLES CAS A AND G21.5-09	Propo
observer	Dr. CXC Calibration	Principal investigator
object	CAS A[S3,-120,-2.0,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.80076797933	Nominal RA [deg]
dec_nom	58.791740573869	Nominal Dec [deg]
roll_nom	220.93564240687	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1160.1900352836	Sum of GTIs [s]
livetime	1145.4990104742	Livetime [s]
ontime4	2044.677131474	Sum of GTIs [s]
ontime5	2054.3999923468	Sum of GTIs [s]
ontime6	2054.2928903997	Sum of GTIs [s]
ontime7	1160.1900352836	Sum of GTIs [s]
ontime8	2054.3749703765	Sum of GTIs [s]
ontime9	2054.3339303732	Sum of GTIs [s]
l2events	350743	Number of level 2 events



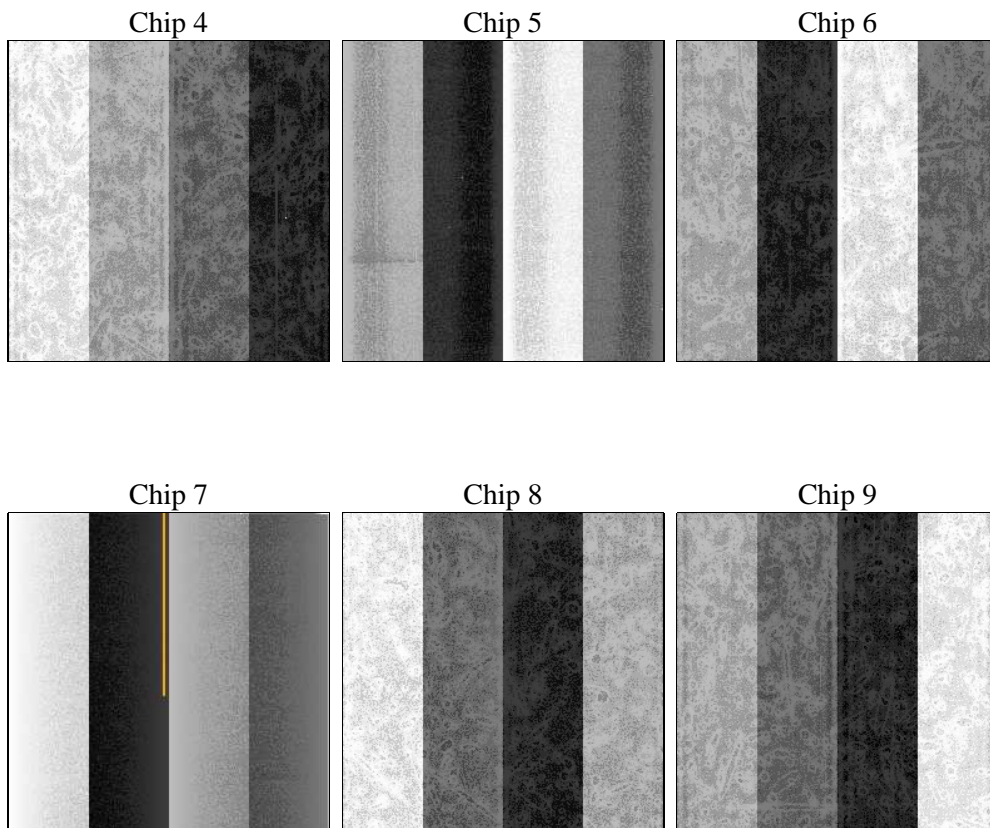
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2105.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1160.1900352836	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	2044.677131474	Sum of GTIs [s]
date	2012-11-05T19:47:27	Date and time of file creation	ontime5	2054.3999923468	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2054.2928903997	Sum of GTIs [s]
			ontime7	1160.1900352836	Sum of GTIs [s]
			ontime8	2054.3749703765	Sum of GTIs [s]
			ontime9	2054.3339303732	Sum of GTIs [s]
			l1events	394347	Number of level 1 events

2.1.4 Events

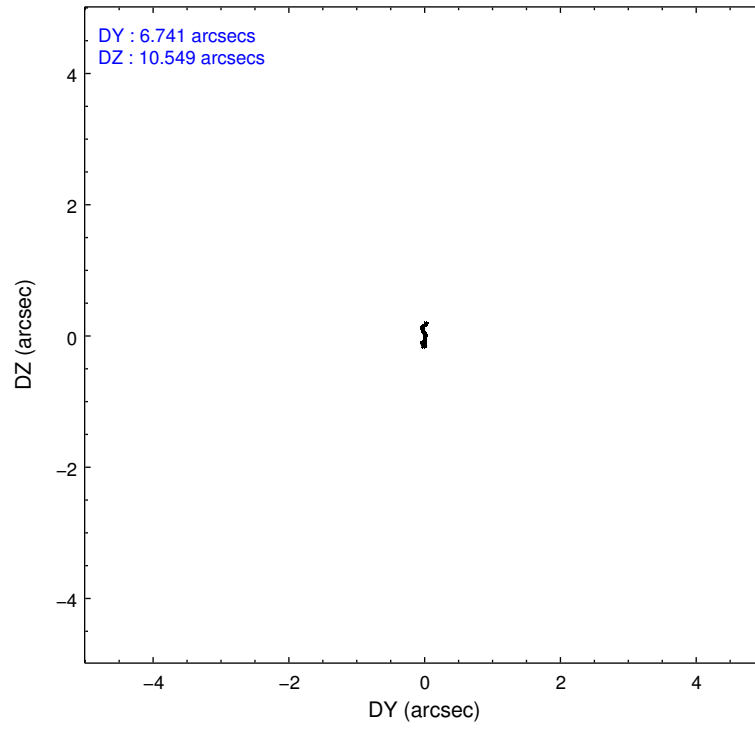
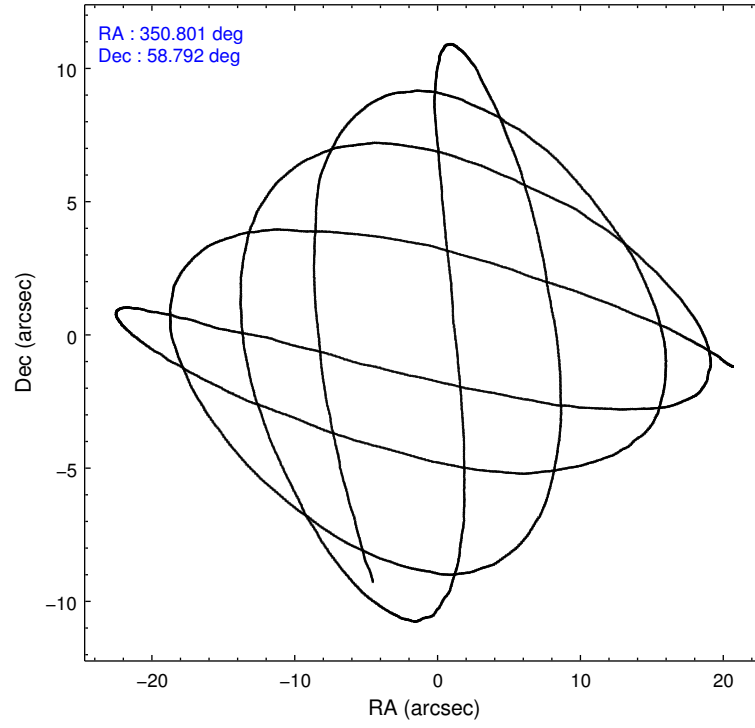
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	0	0	0	394347	0	0
rejected events	0	0	0	39732	0	0
rejected %	0%	0%	0%	10%	0%	0%

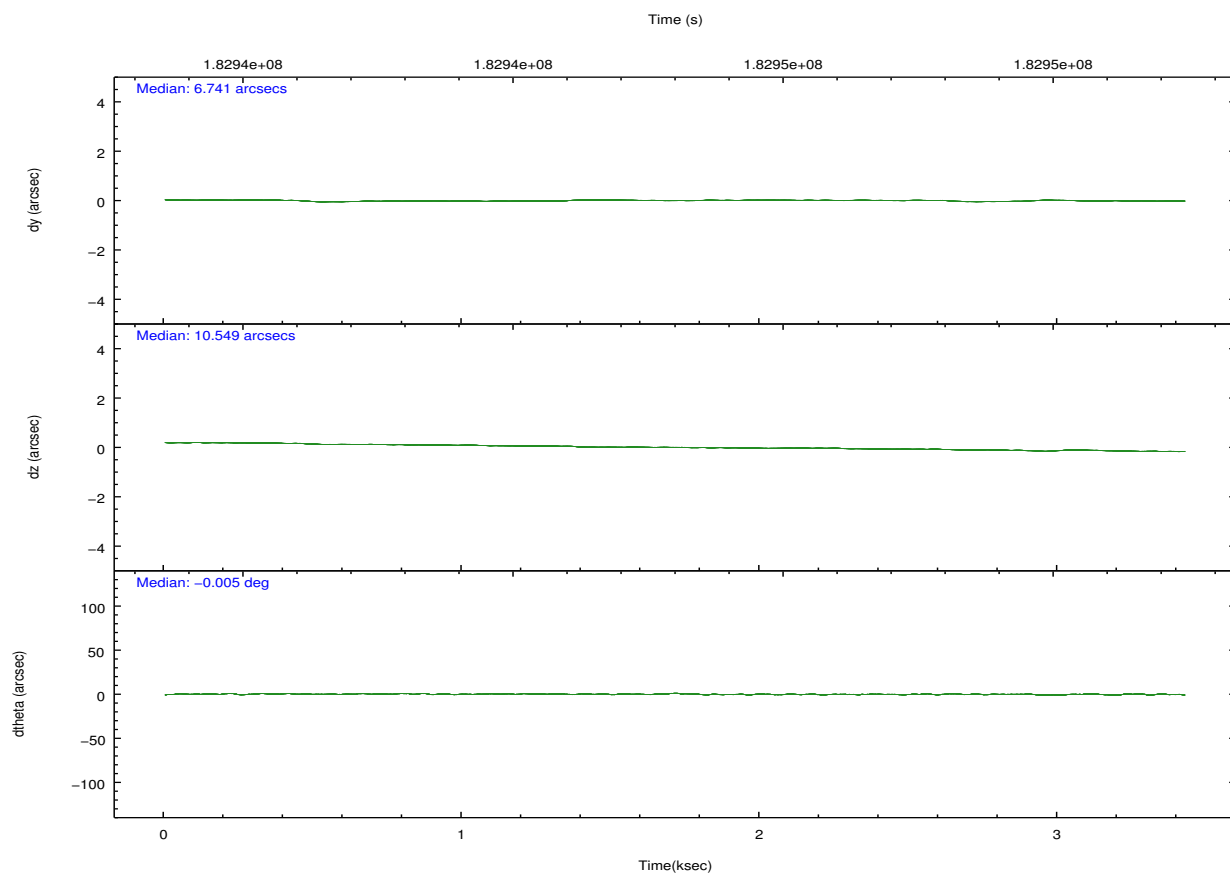
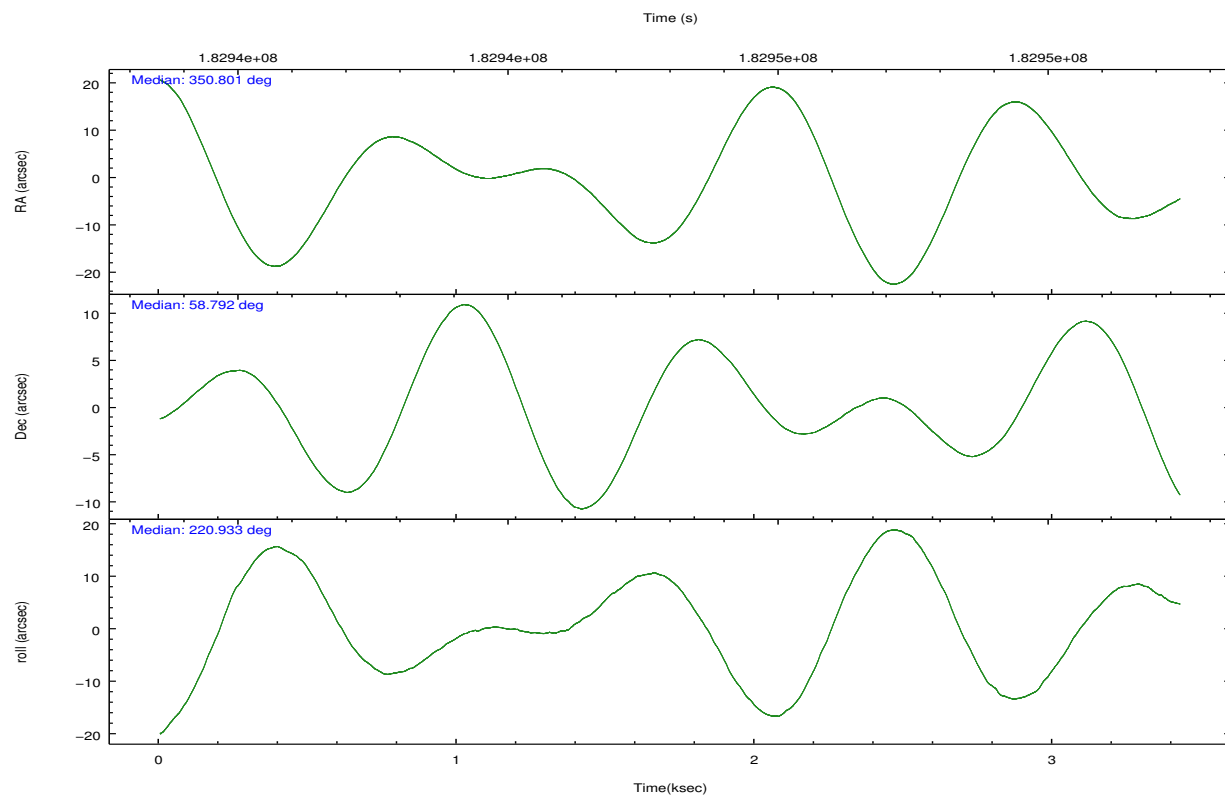
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	0	0	0	90770	0	0
	0%	0%	0%	23%	0%	0%
grade 1 events	0	0	0	1814	0	0
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	0	95953	0	0
	0%	0%	0%	24%	0%	0%
grade 3 events	0	0	0	42027	0	0
	0%	0%	0%	10%	0%	0%
grade 4 events	0	0	0	41266	0	0
	0%	0%	0%	10%	0%	0%
grade 5 events	0	0	0	7212	0	0
	0%	0%	0%	1%	0%	0%
grade 6 events	0	0	0	85601	0	0
	0%	0%	0%	21%	0%	0%
grade 7 events	0	0	0	29704	0	0
	0%	0%	0%	7%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	350.817260	350.800767979329	CCD I2 on	Y	N
[deg] Pointing Dec	58.817574	58.79174057386878	CCD I3 on	Y	N
[deg] Pointing Roll	220.764897	220.9356424068725	CCD S0 on	N	Y
[s] Window start time (MET)	181353664.184000	181353664.184000	CCD S1 on	Y	Y
[s] Window stop time (MET)	183859264.184000	183859264.184000	CCD S2 on	Y	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S3 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S4 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S5 on	N	Y
[mm] SIM translation stage offset	0	0.01005778216563158	Number of optional ACIS chips dropped	0	0
[s] Observation start time (MET)	182945214.184000	182943683.25998	On-chip summing requested	N	N
Observation start date	2003-10-19T10:05:50	2003-10-19T09:41:23	Subarray requested	NONE	NONE
[s] Observation end time (MET)	182947319.184000	182947511.12264	Alternating exposures requested	N	N
Observation end date	2003-10-19T10:40:55	2003-10-19T10:45:11	[s] Primary exposure time	0.000000	3.2
Read mode	TIMED	TIMED			

2.3 Aspect



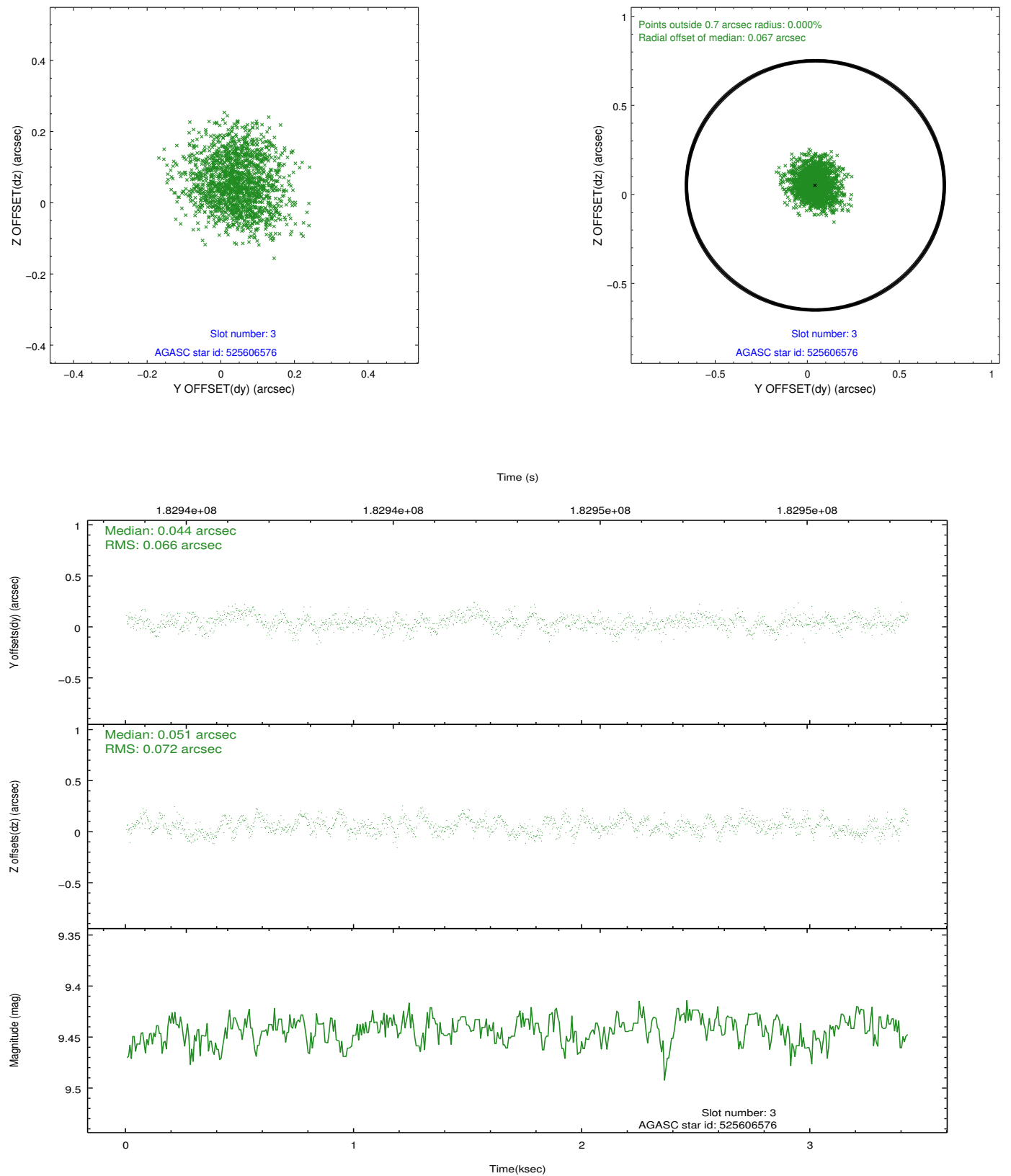


Slot Statistics

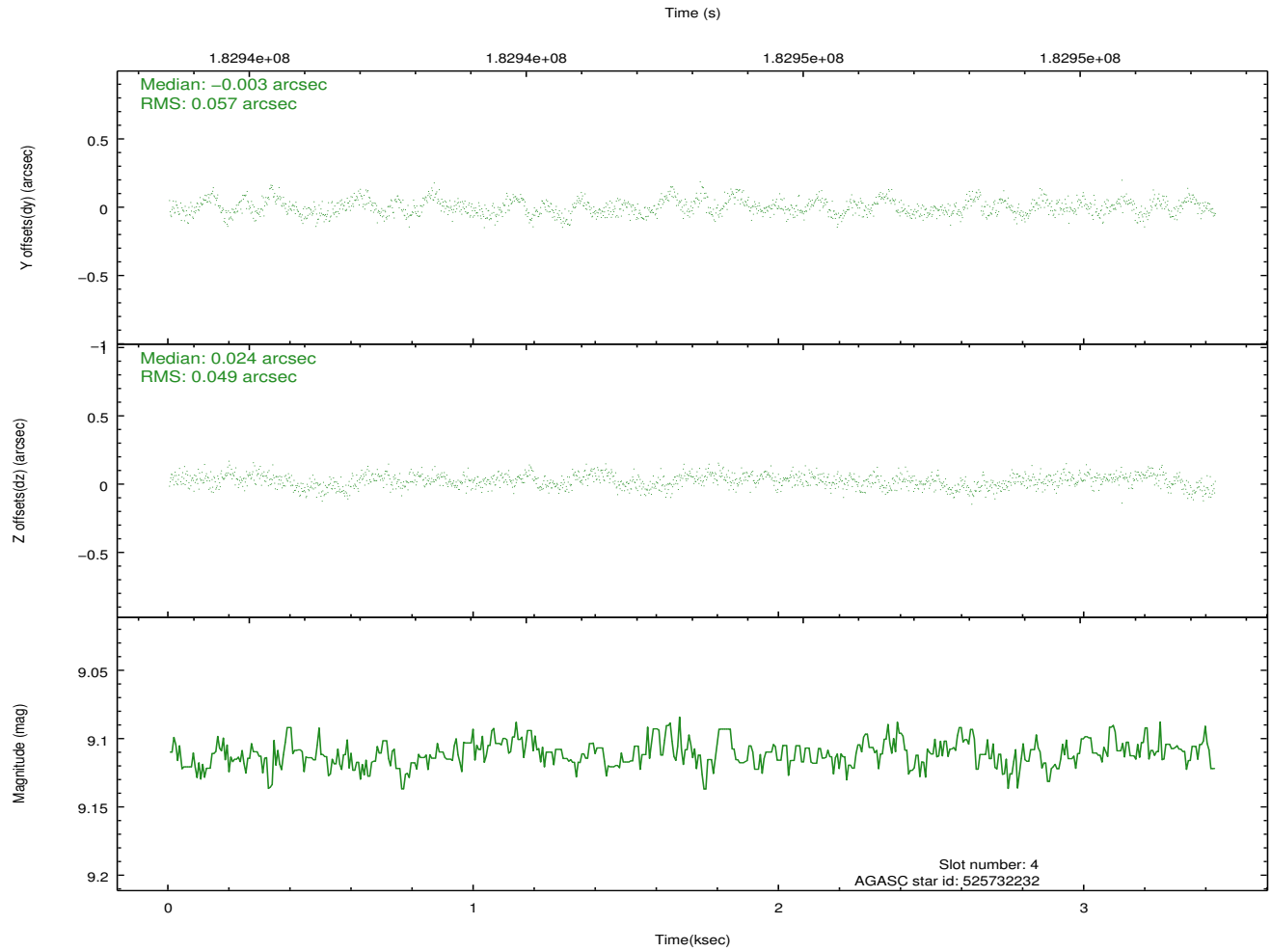
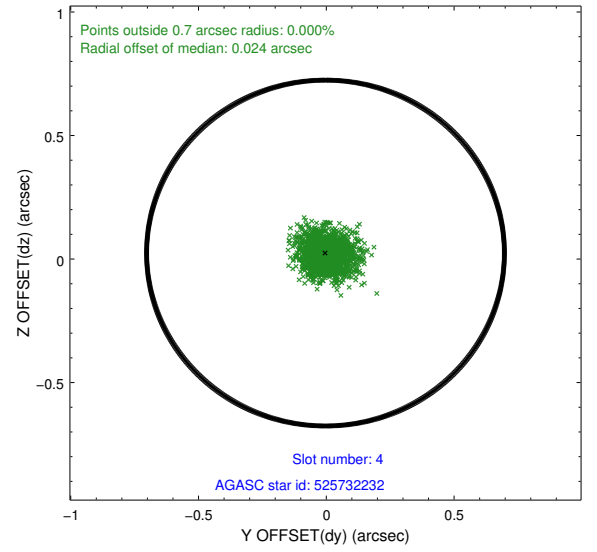
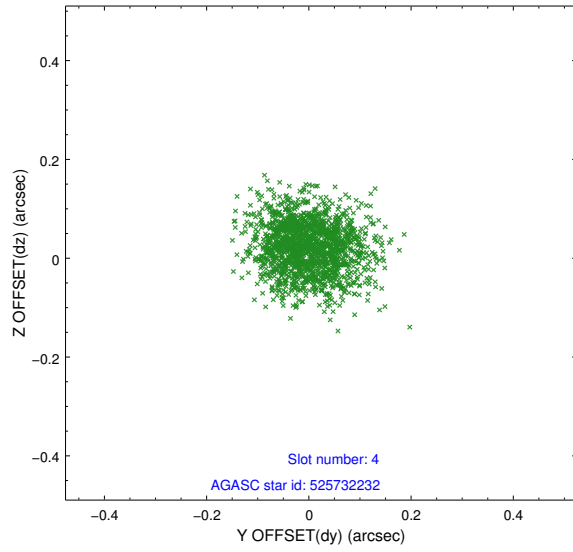
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.17	836	-0.004	-0.045	0.008	0.014	0.000000	0.000000	936.55	-1727.44
1	FID	ACIS-S-4	7.21	836	0.046	0.037	0.007	0.012	0.000000	0.000000	2155.03	174.90
2	FID	ACIS-S-5	7.23	836	-0.068	0.020	0.006	0.010	0.000000	0.000000	-1810.02	170.56
3	GUIDE	525606576	9.44	1672	0.044	0.051	0.105	0.169	349.543555	58.678895	2117.13	-1194.98
4	GUIDE	525732232	9.11	1671	-0.003	0.024	0.079	0.130	351.669550	58.757012	-1067.98	1196.67
5	GUIDE	525735976	8.69	1672	-0.058	-0.034	0.055	0.088	350.142956	58.277622	2231.53	634.96
6	GUIDE	525609504	9.08	1672	-0.109	-0.057	0.074	0.120	349.896632	58.356658	2394.30	112.93
7	GUIDE	525732528	9.36	1670	0.124	0.012	0.080	0.133	351.607241	59.298932	-2234.78	-370.72

2.4 Star Slots

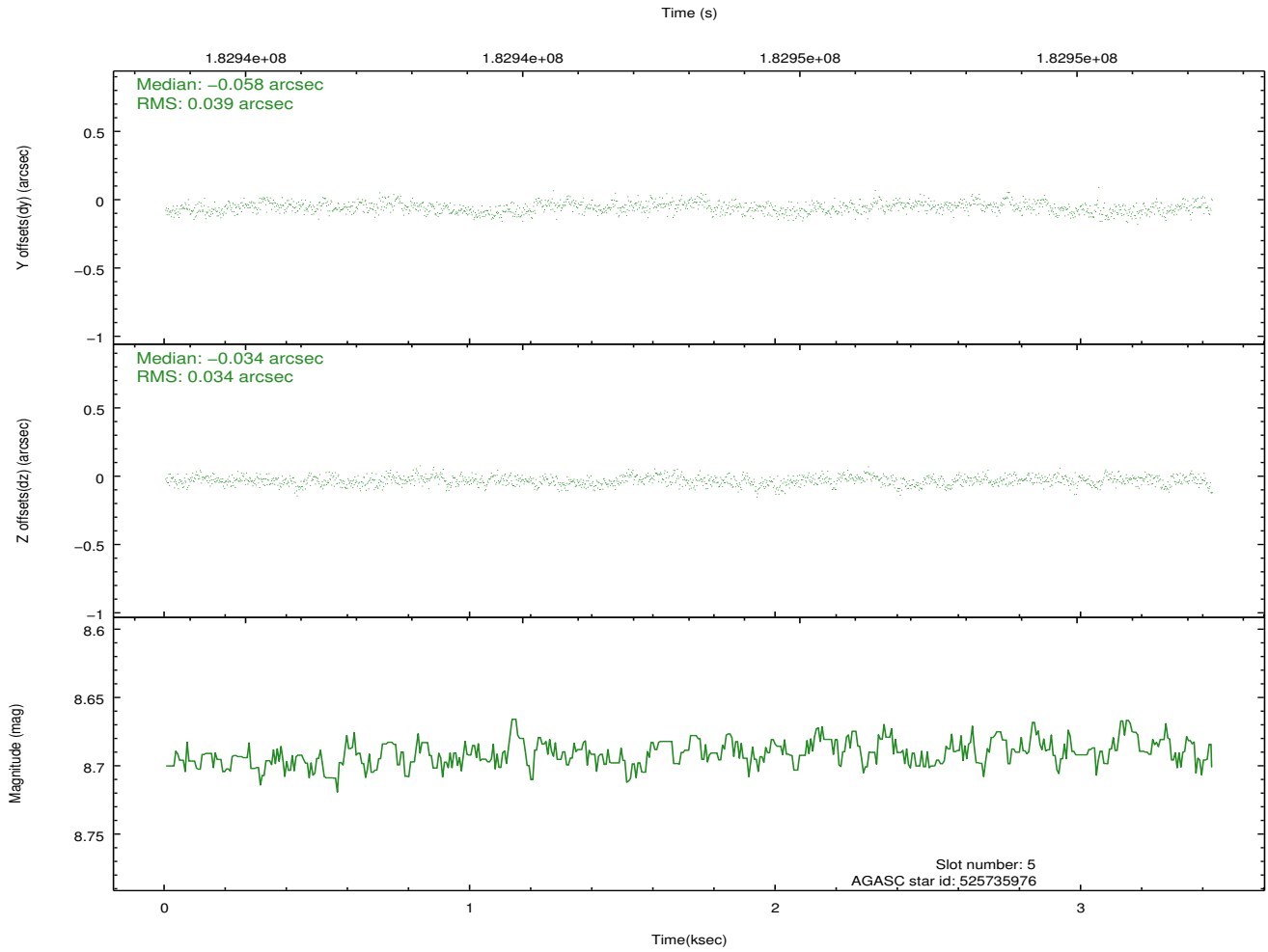
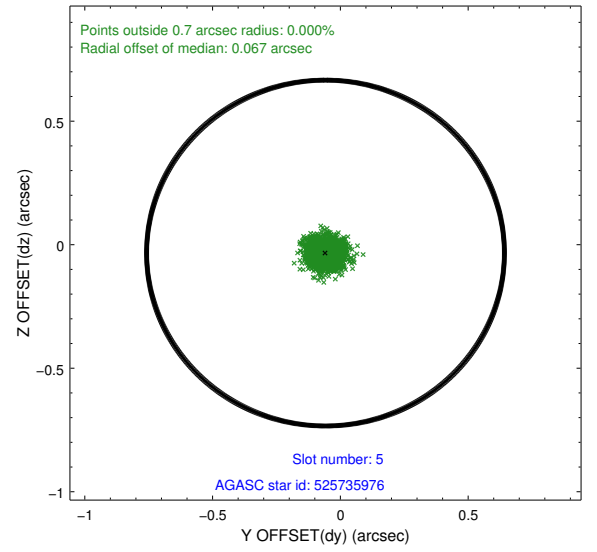
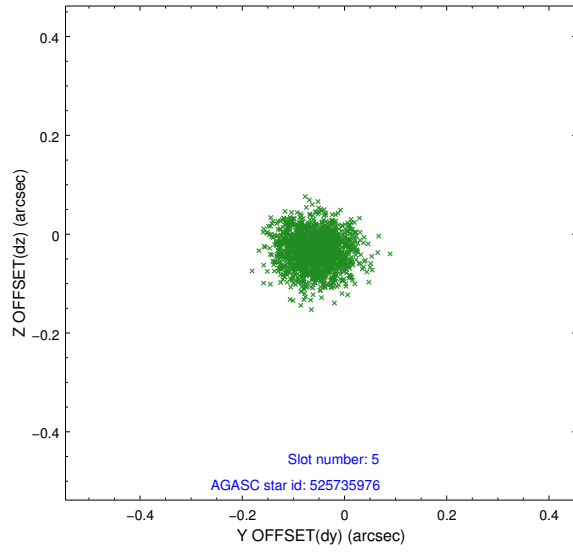
2.4.1 Slot 3



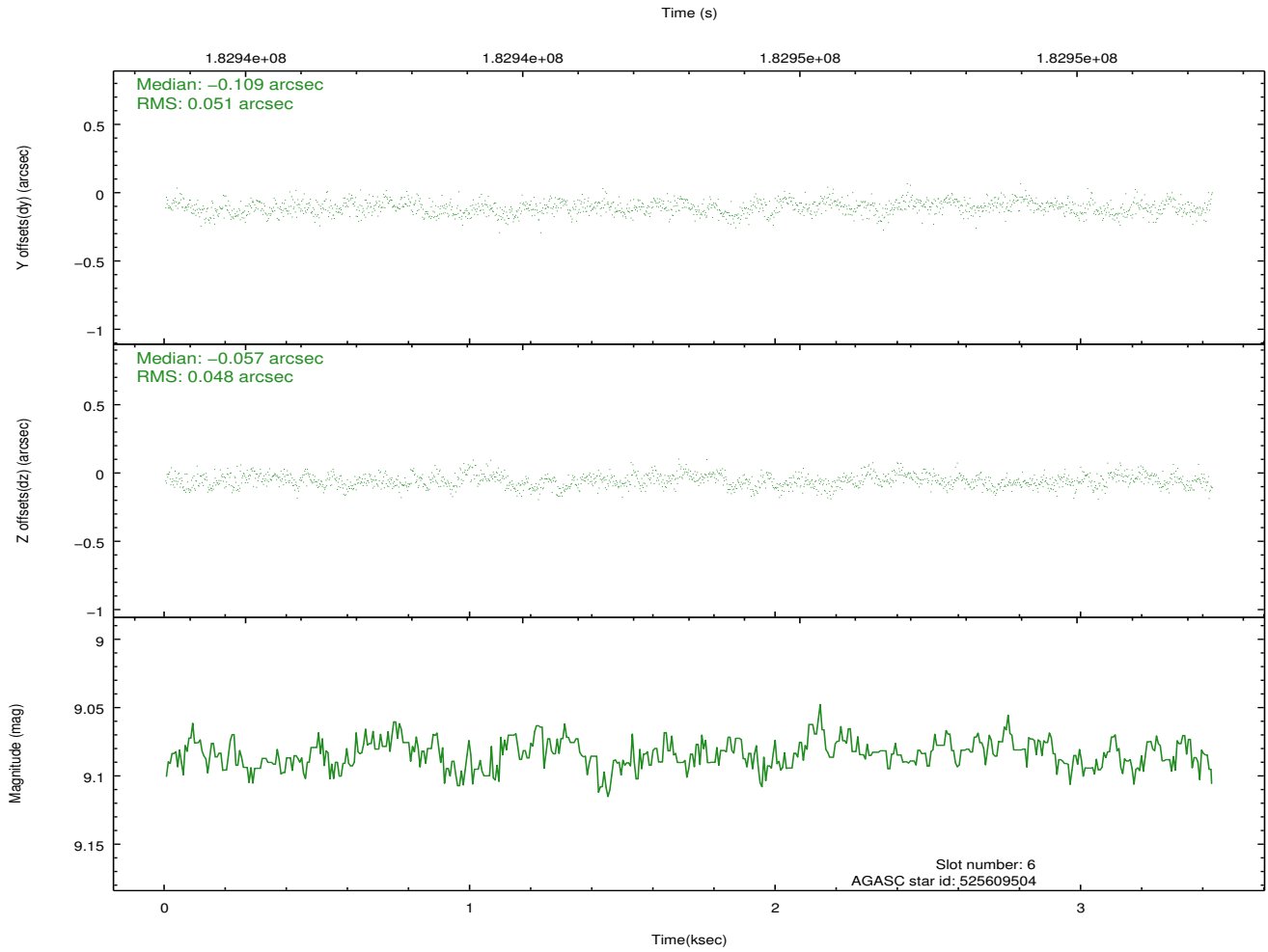
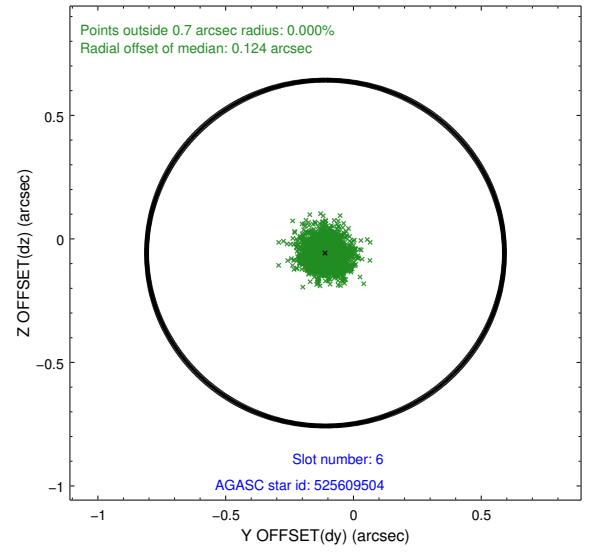
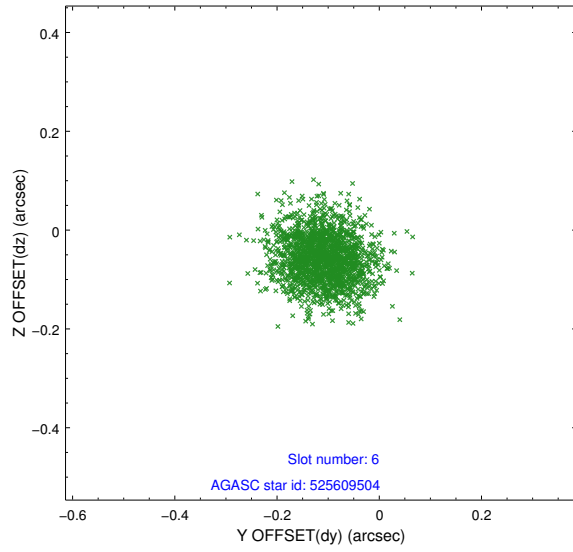
2.4.2 Slot 4



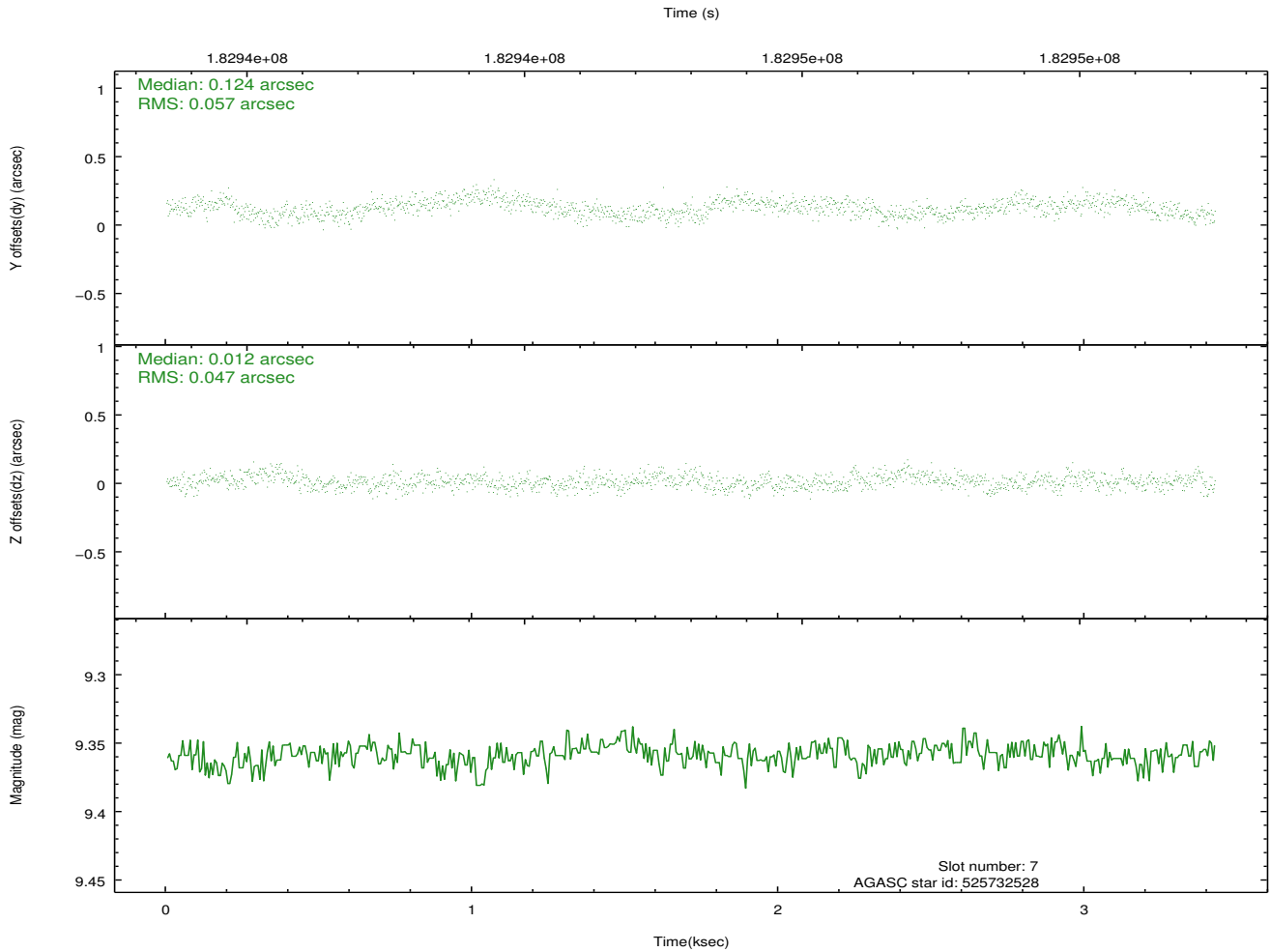
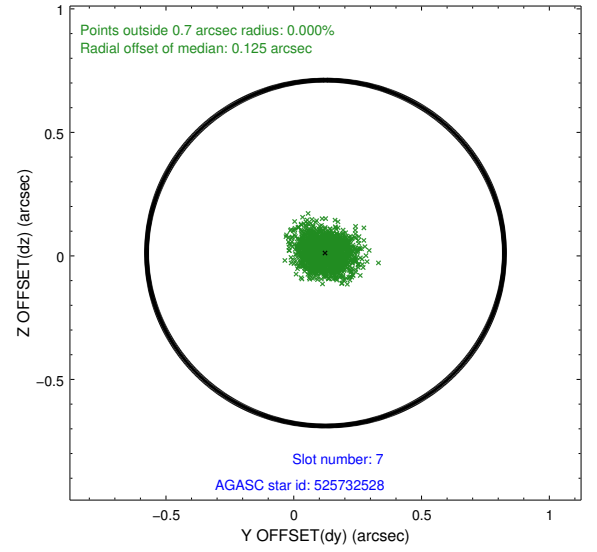
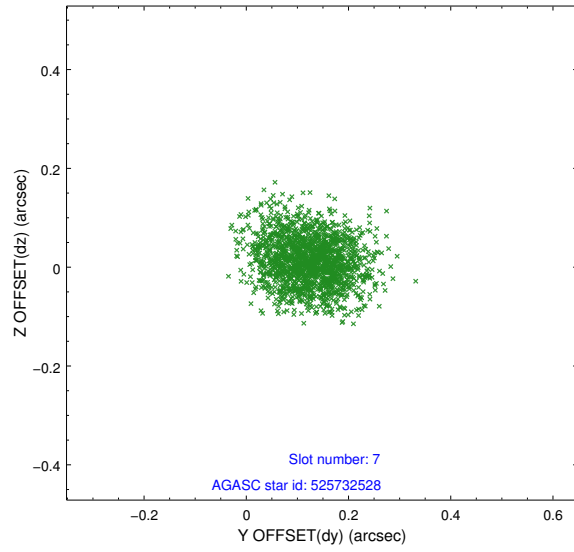
2.4.3 Slot 5



2.4.4 Slot 6

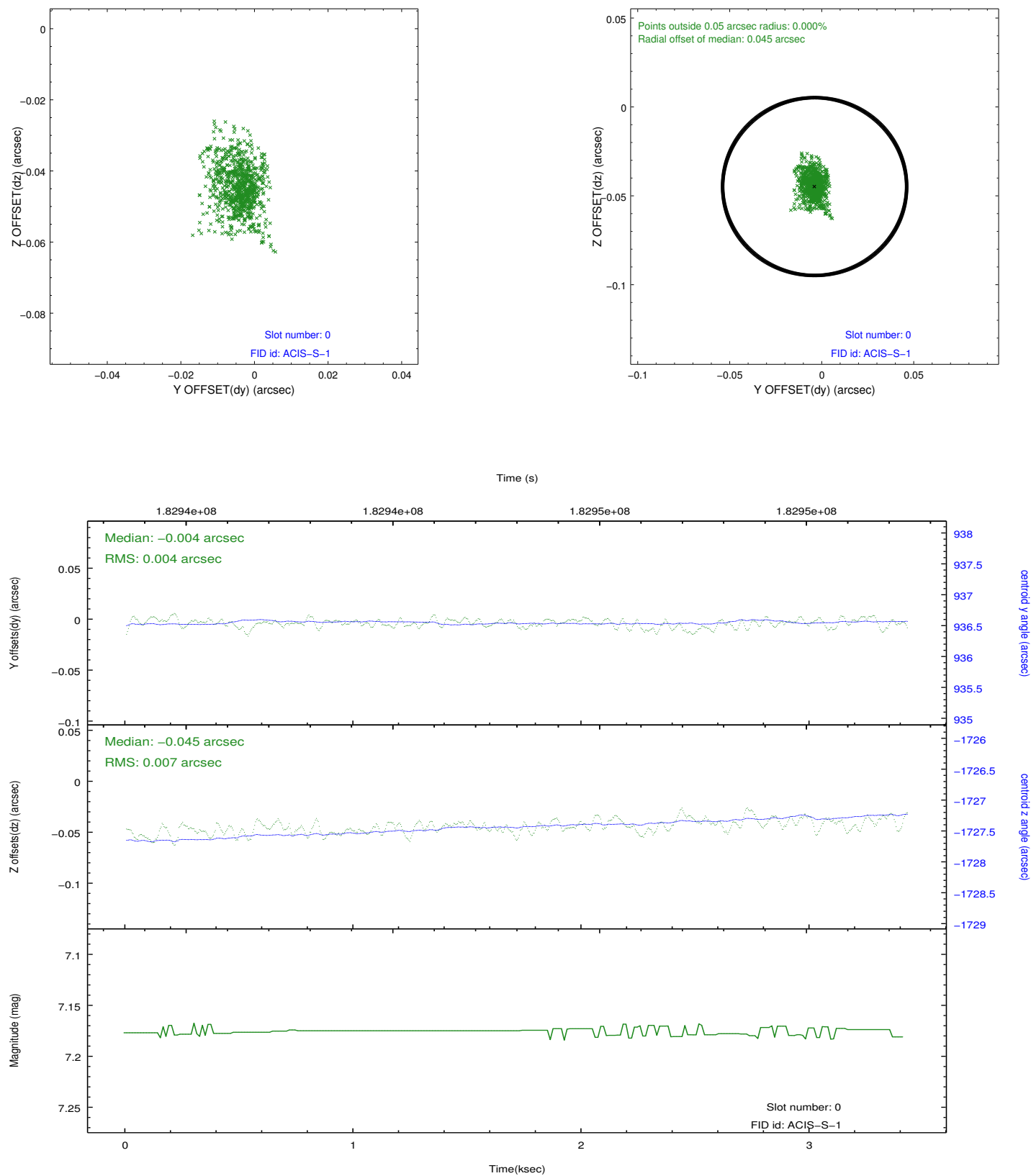


2.4.5 Slot 7

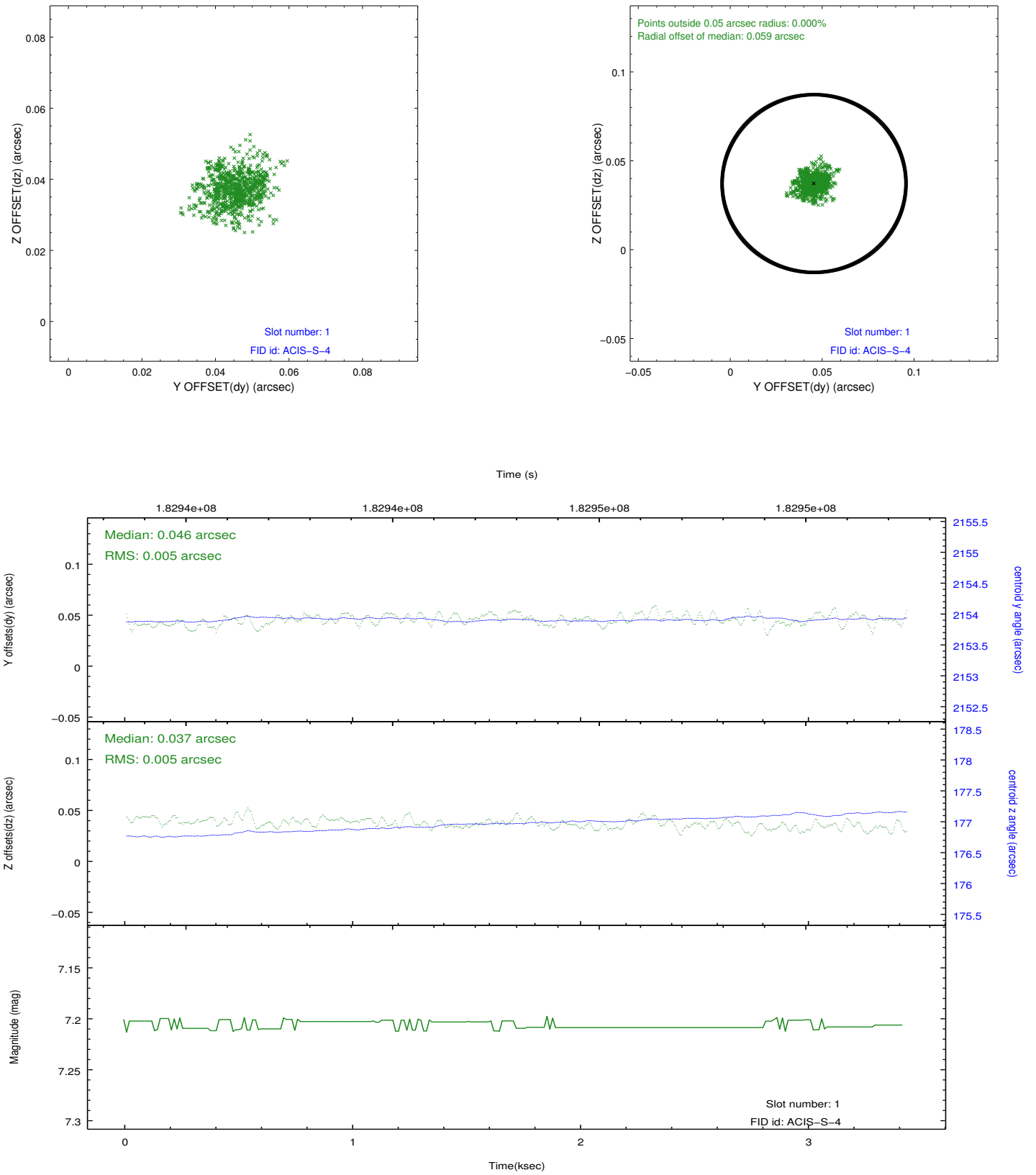


2.5 FID Slots

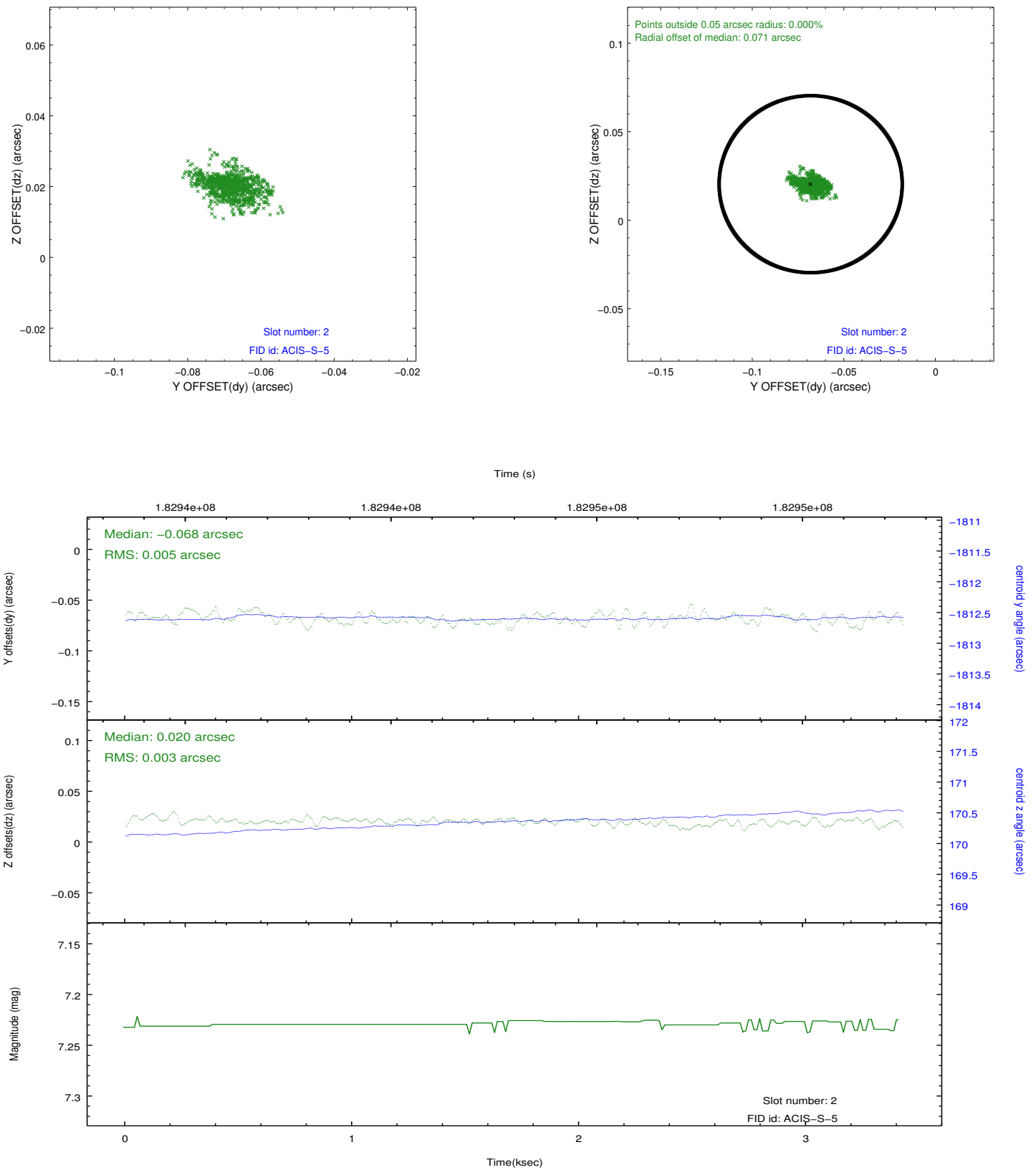
2.5.1 Slot 0



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)	2012.11.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.163

A.2 Comments

Charge time for this observation remains at previous value of 1.163 ksec.

Ontime values for chips other than S3 are fictitious since only S3 was read.

Window preference met.