

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 13887 - L2 Version 1
Chandra X-Ray Center

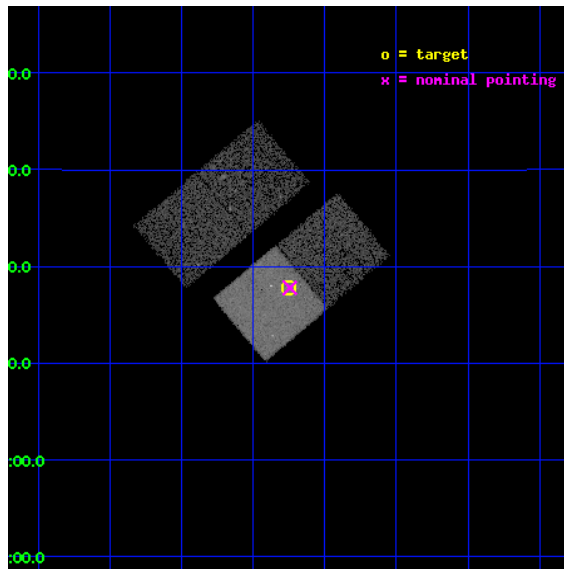
L2 Processing Date : May 8 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

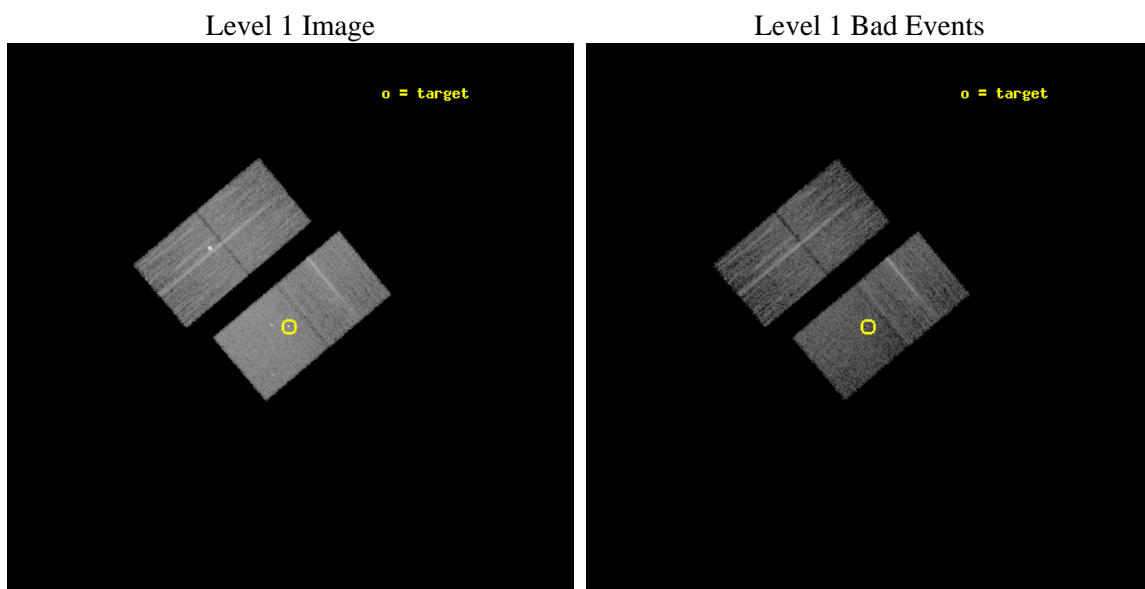
seq_num	702612	Sequence number
obs_id	13887	Observation id
title	Extending the Chandra 3C Snapshot Survey: Radio Galaxies with 0.3	Proposal title
observer	Dr. Francesco Massaro	Principal investigator
object	3c327.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	241.18875	Observer's specified target RA [deg]
dec_targ	1.2975	Observer's specified target Dec [deg]
ra_nom	241.18587598748	Nominal RA [deg]
dec_nom	1.2966111210667	Nominal Dec [deg]
roll_nom	139.94138516539	Nominal Roll [deg]
revision	1	Processing version of data
ontime	11253.000086546	Sum of GTIs [s]
livetime	11105.971356077	Livetime [s]
ontime2	11253.000086546	Sum of GTIs [s]
ontime3	11253.000086546	Sum of GTIs [s]
ontime6	11253.000086546	Sum of GTIs [s]
ontime7	11253.000086546	Sum of GTIs [s]
l2events	60528	Number of level 2 events



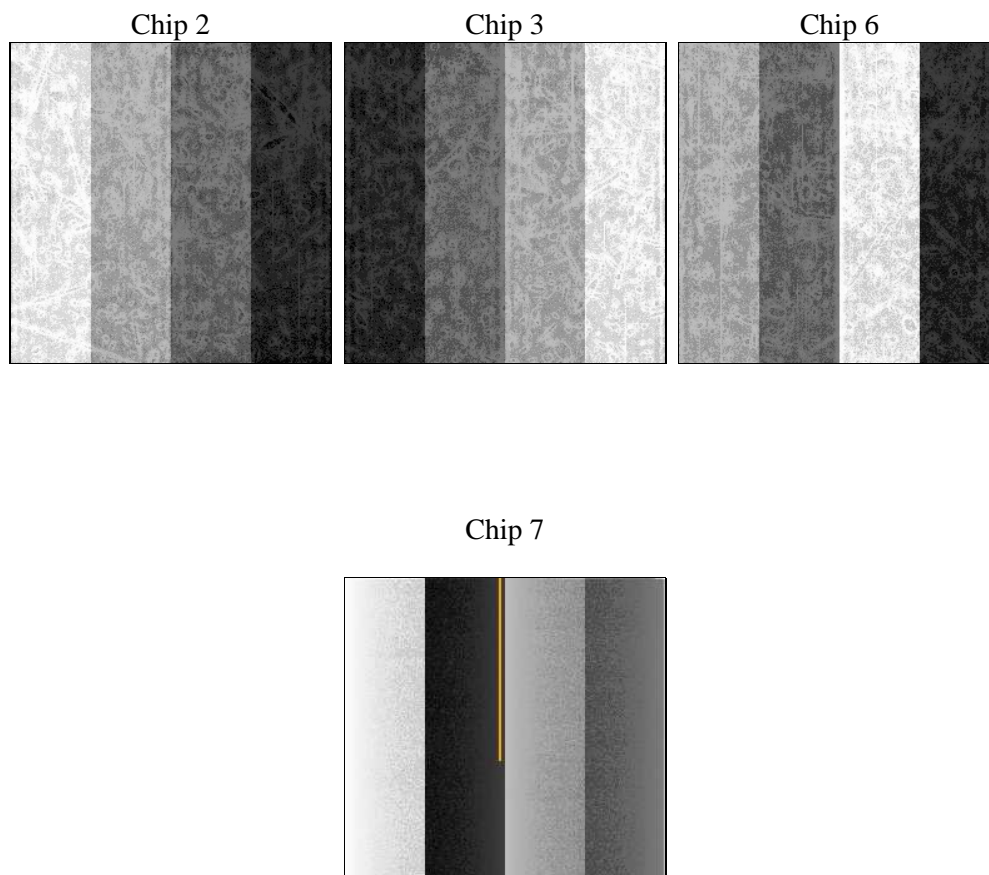
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11462.735000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	11253.000086546	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	11253.000086546	Sum of GTIs [s]
date	2012-05-08T13:21:31	Date and time of file creation	ontime3	11253.000086546	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	11253.000086546	Sum of GTIs [s]
			ontime7	11253.000086546	Sum of GTIs [s]
			l1events	298399	Number of level 1 events

2.1.4 Events

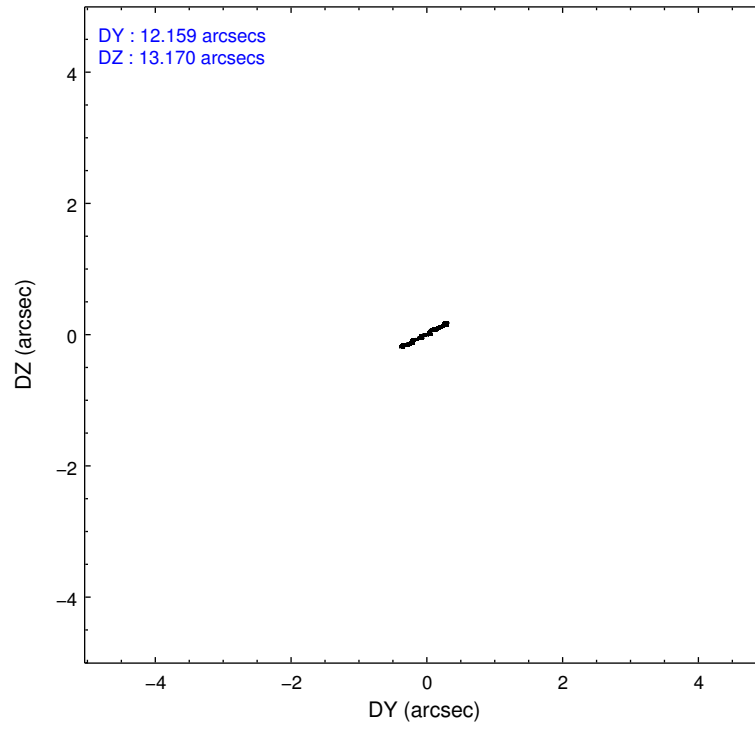
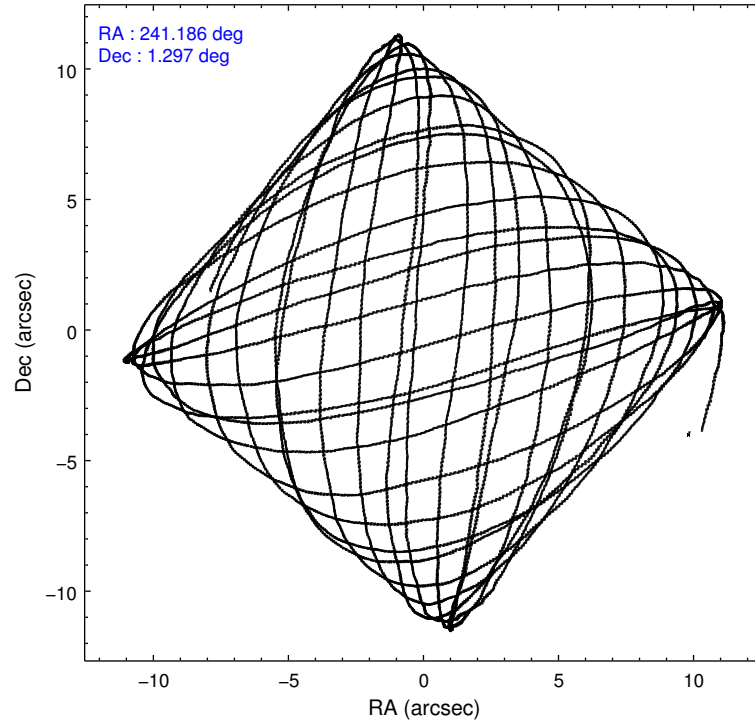
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	67420	70861	69258	90860
rejected events	59764	60227	61034	49441
rejected %	88%	84%	88%	54%

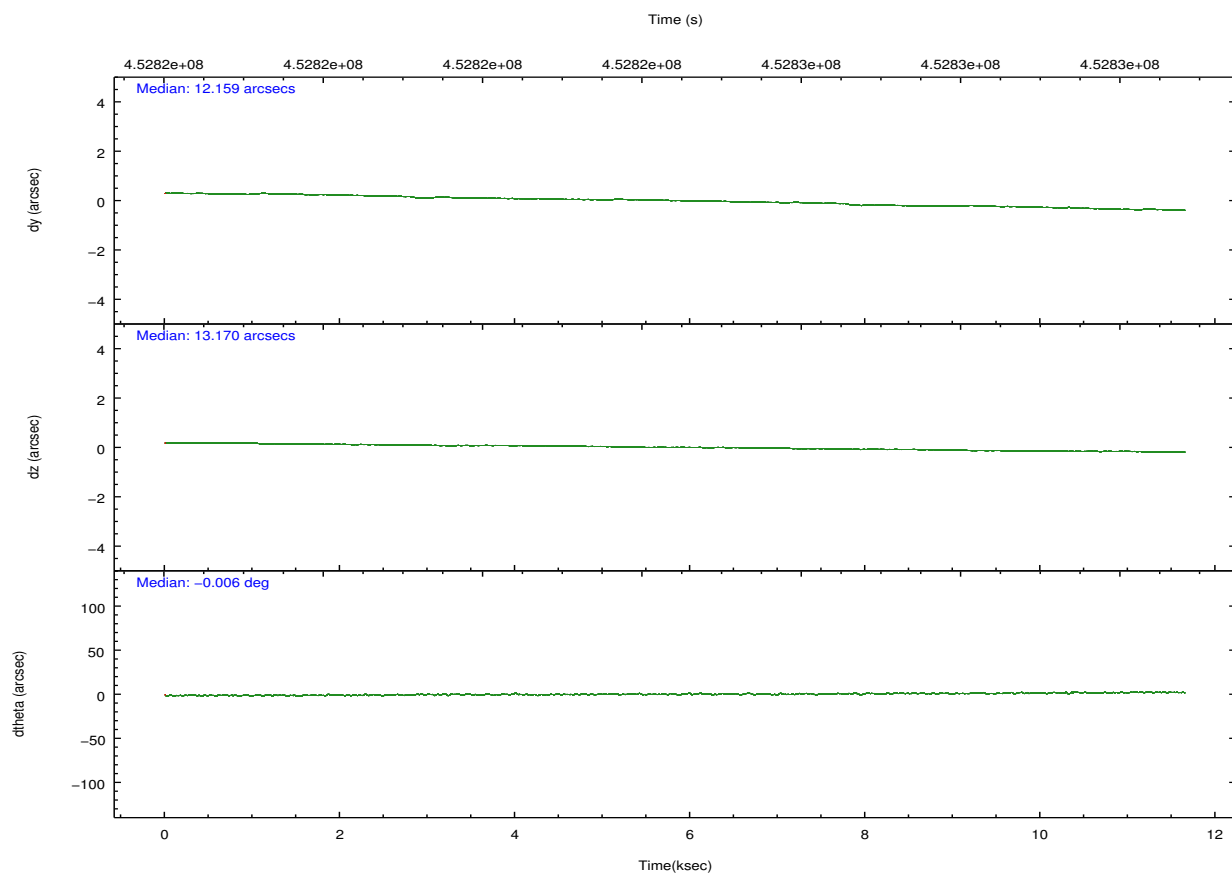
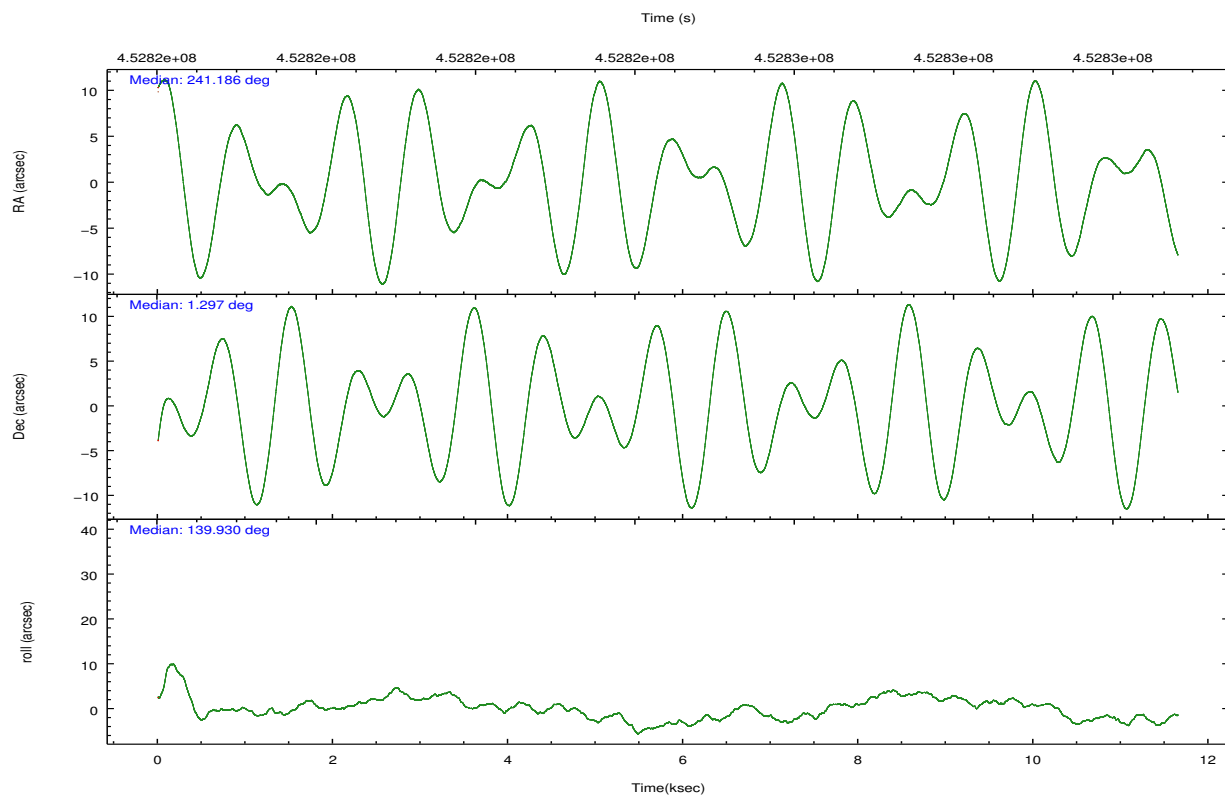
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2785	5977	2779	4200
	4%	8%	4%	4%
grade 1 events	45	115	31	111
	0%	0%	0%	0%
grade 2 events	1751	1552	1842	8482
	2%	2%	2%	9%
grade 3 events	807	801	855	3566
	1%	1%	1%	3%
grade 4 events	784	832	822	3543
	1%	1%	1%	3%
grade 5 events	2803	3314	3295	9134
	4%	4%	4%	10%
grade 6 events	1529	1474	1930	21633
	2%	2%	2%	23%
grade 7 events	56916	56796	57704	40191
	84%	80%	83%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	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	241.212858	241.1858759874795	CCD I2 on	O1	Y
[deg] Pointing Dec	1.292185	1.296611121066671	CCD I3 on	O2	Y
[deg] Pointing Roll	139.784150	139.9413851653887	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	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	452818787.184000	452817964.25641	CCD S5 on	N	N
Observation start date	2012-05-07T22:58:41	2012-05-07T22:46:04	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	452830250.184000	452830475.40707	On-chip summing requested	N	N
Observation end date	2012-05-08T02:09:44	2012-05-08T02:14:35	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



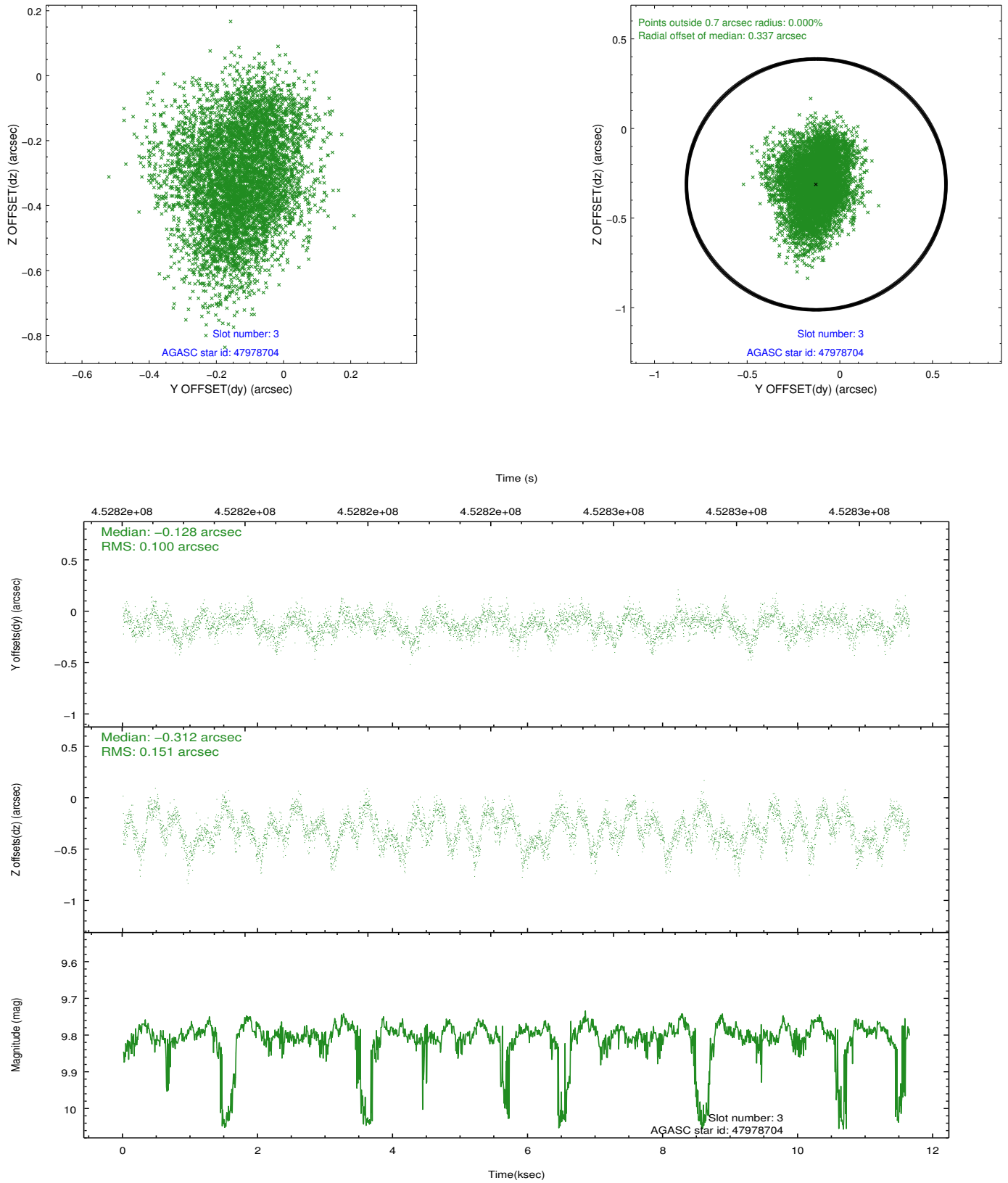


Slot Statistics

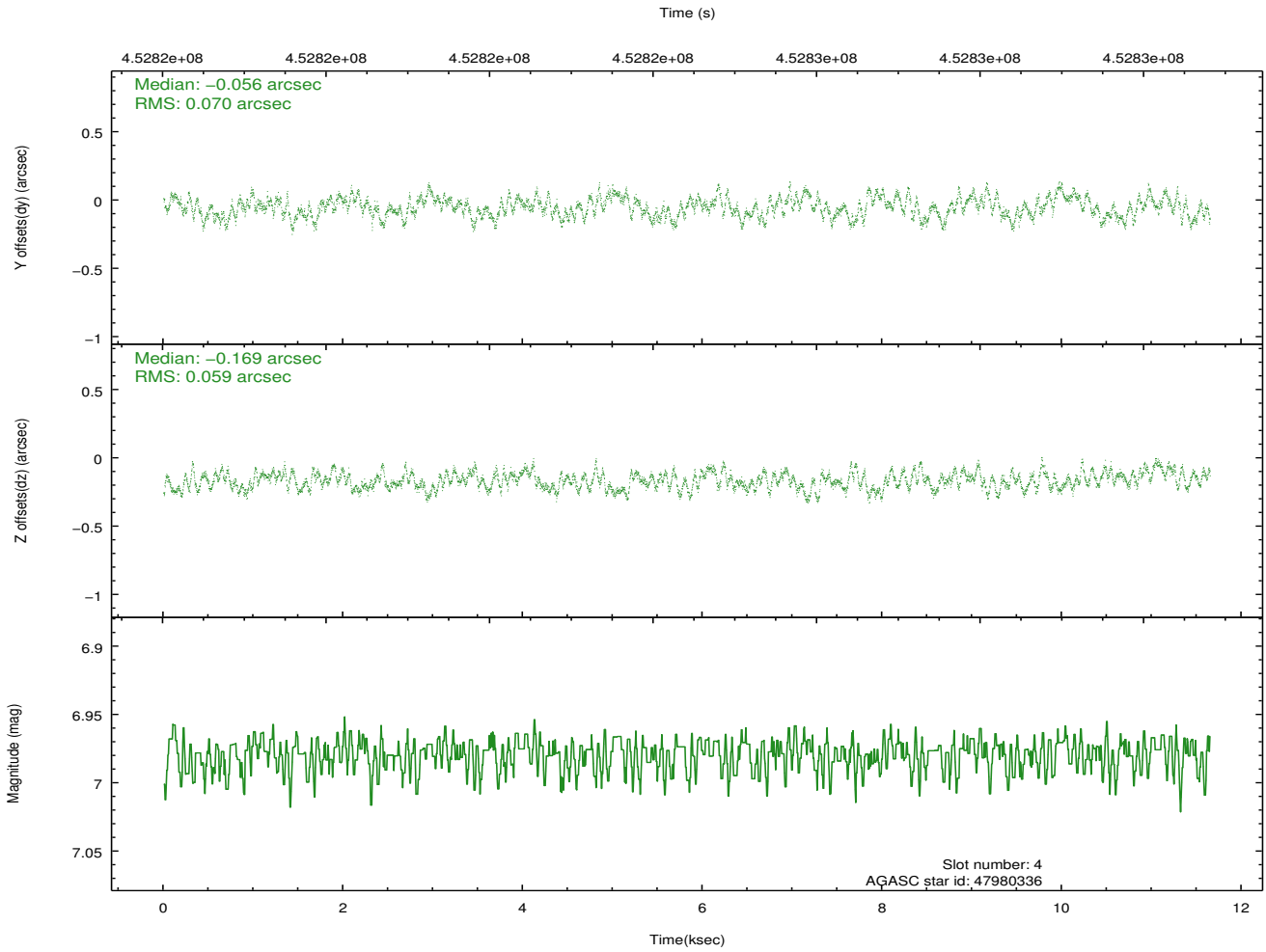
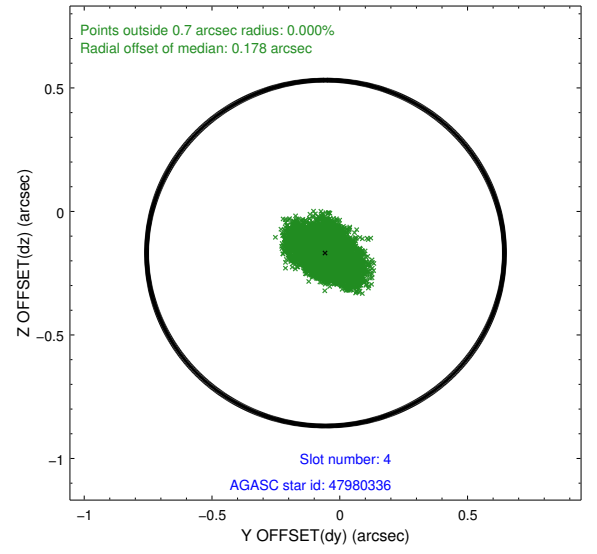
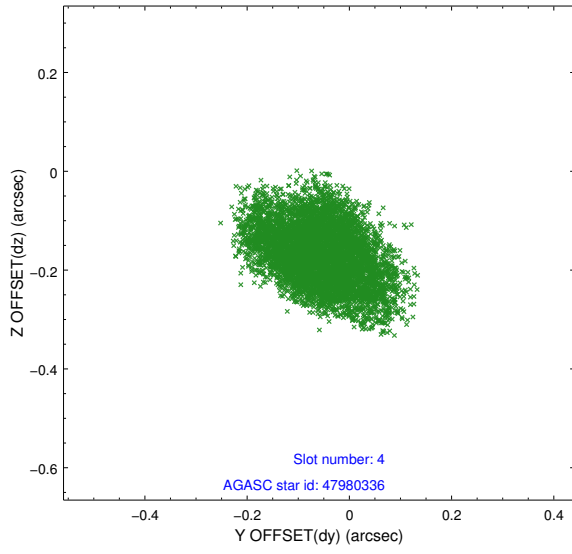
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.12	2842	0.151	-0.056	0.008	0.013	0.000000	0.000000	931.16	-1730.18
1	FID	ACIS-S-2	7.02	2842	-0.062	-0.033	0.007	0.011	0.000000	0.000000	-764.71	-1735.16
2	FID	ACIS-S-5	7.15	2841	-0.112	0.096	0.007	0.015	0.000000	0.000000	-1818.45	167.07
3	GUIDE	47978704	9.80	5652	-0.128	-0.312	0.195	0.304	241.000995	1.196279	359.51	756.21
4	GUIDE	47980336	6.98	5683	-0.056	-0.169	0.099	0.156	241.123298	0.672227	-1195.55	1913.39
5	GUIDE	48110840	9.67	5679	0.259	0.368	0.147	0.239	241.962381	1.289021	-2066.30	-1732.64
6	GUIDE	48498304	10.21	5643	0.094	0.064	0.186	0.310	241.304458	2.059080	1531.76	-2320.40
7	GUIDE	48501232	9.21	5674	-0.165	0.047	0.126	0.197	241.386308	1.875617	880.35	-2005.96

2.4 Star Slots

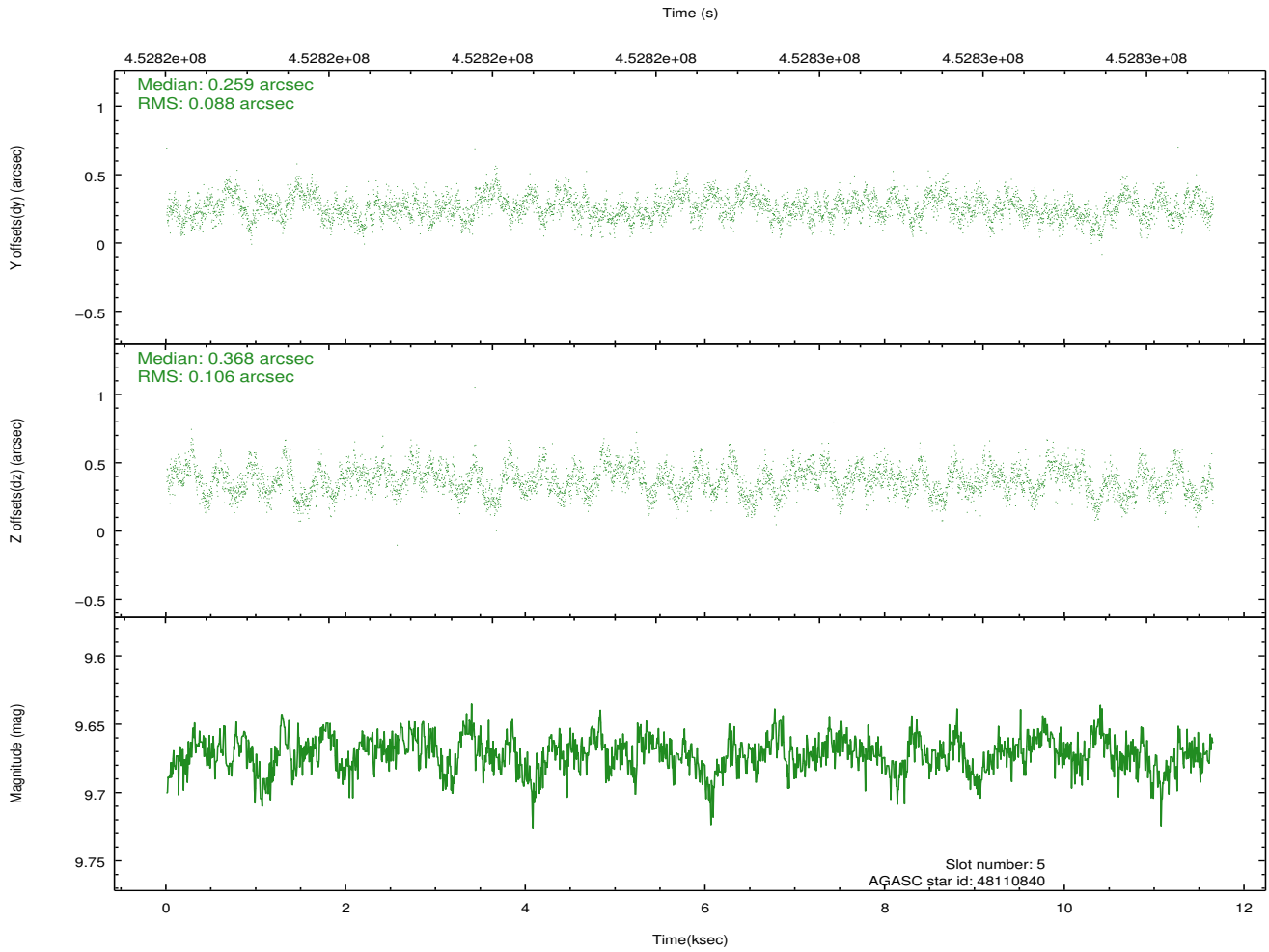
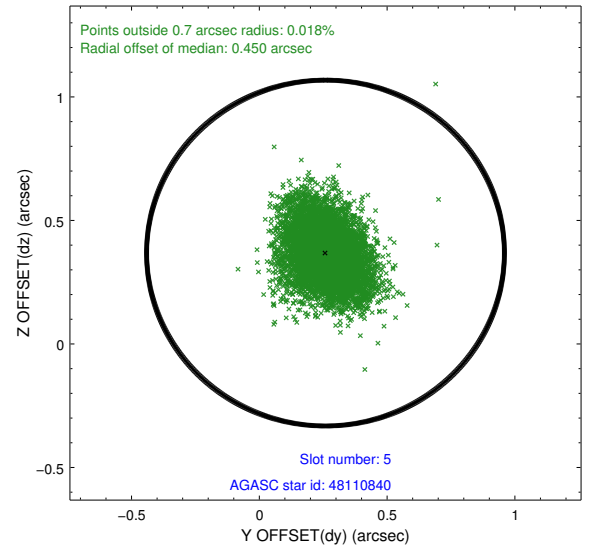
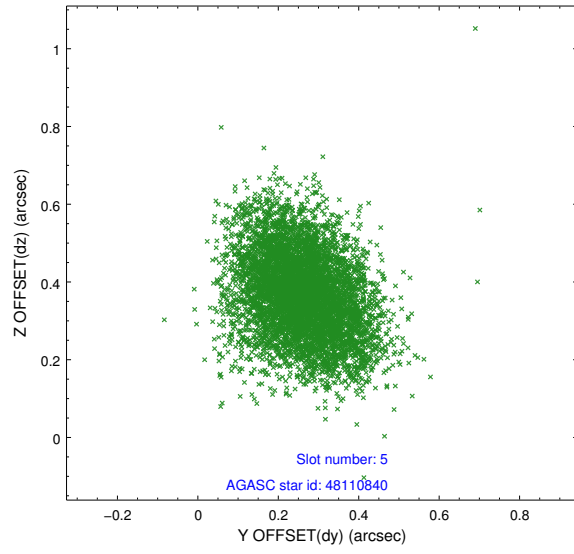
2.4.1 Slot 3



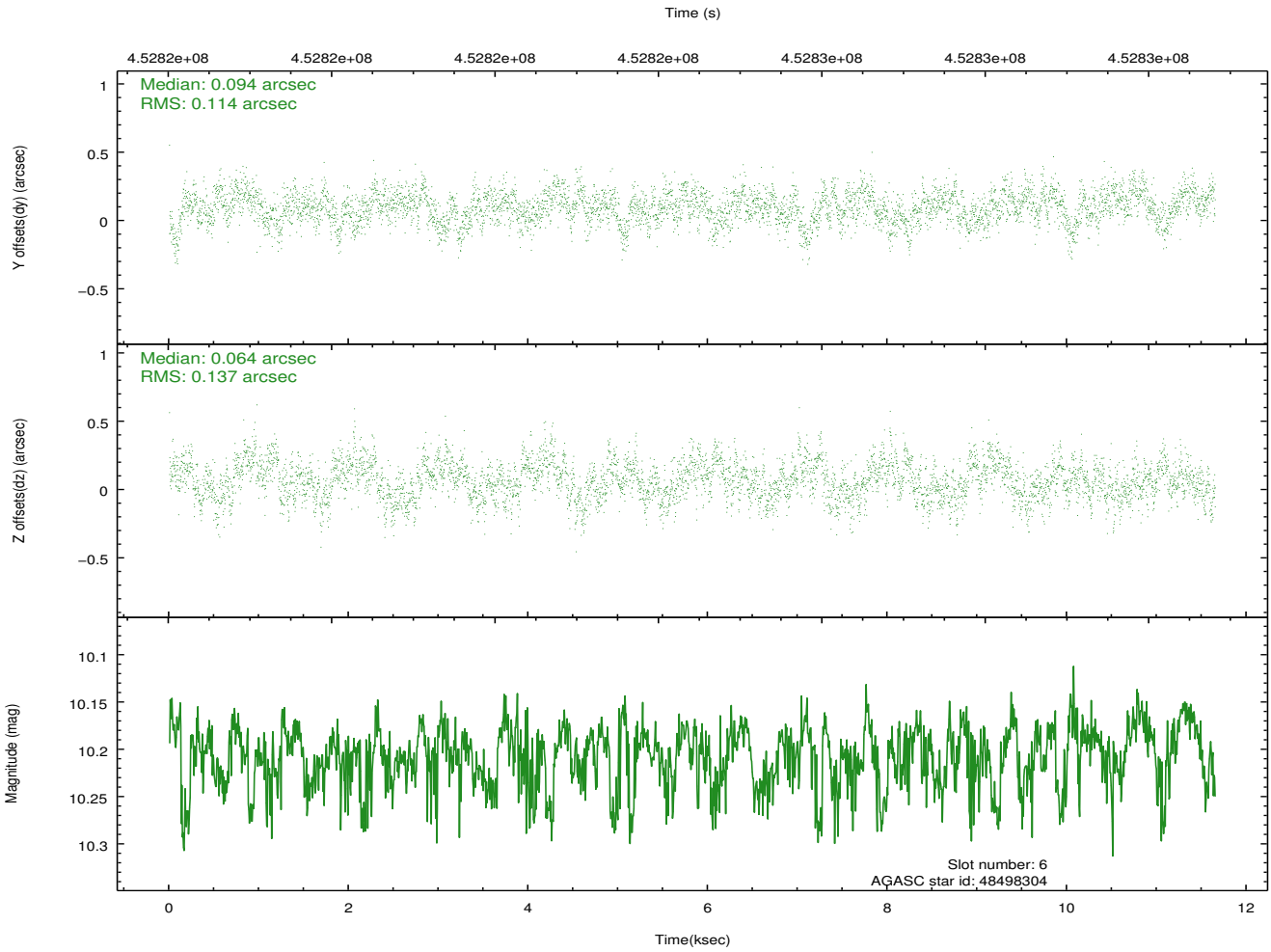
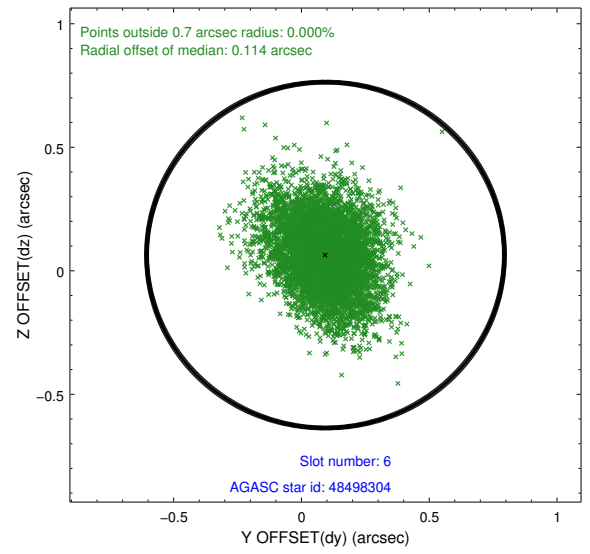
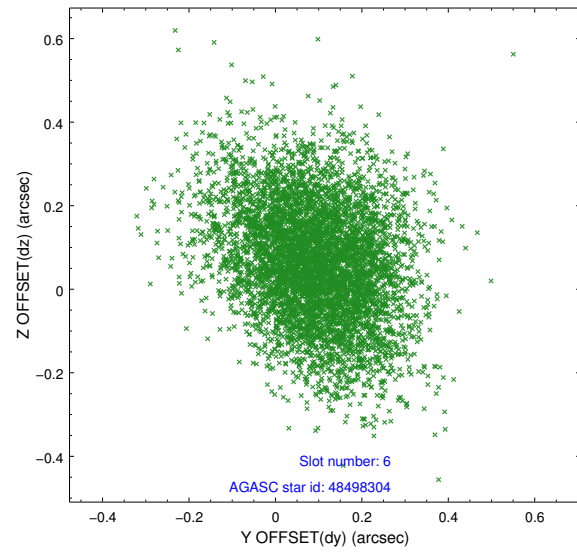
2.4.2 Slot 4



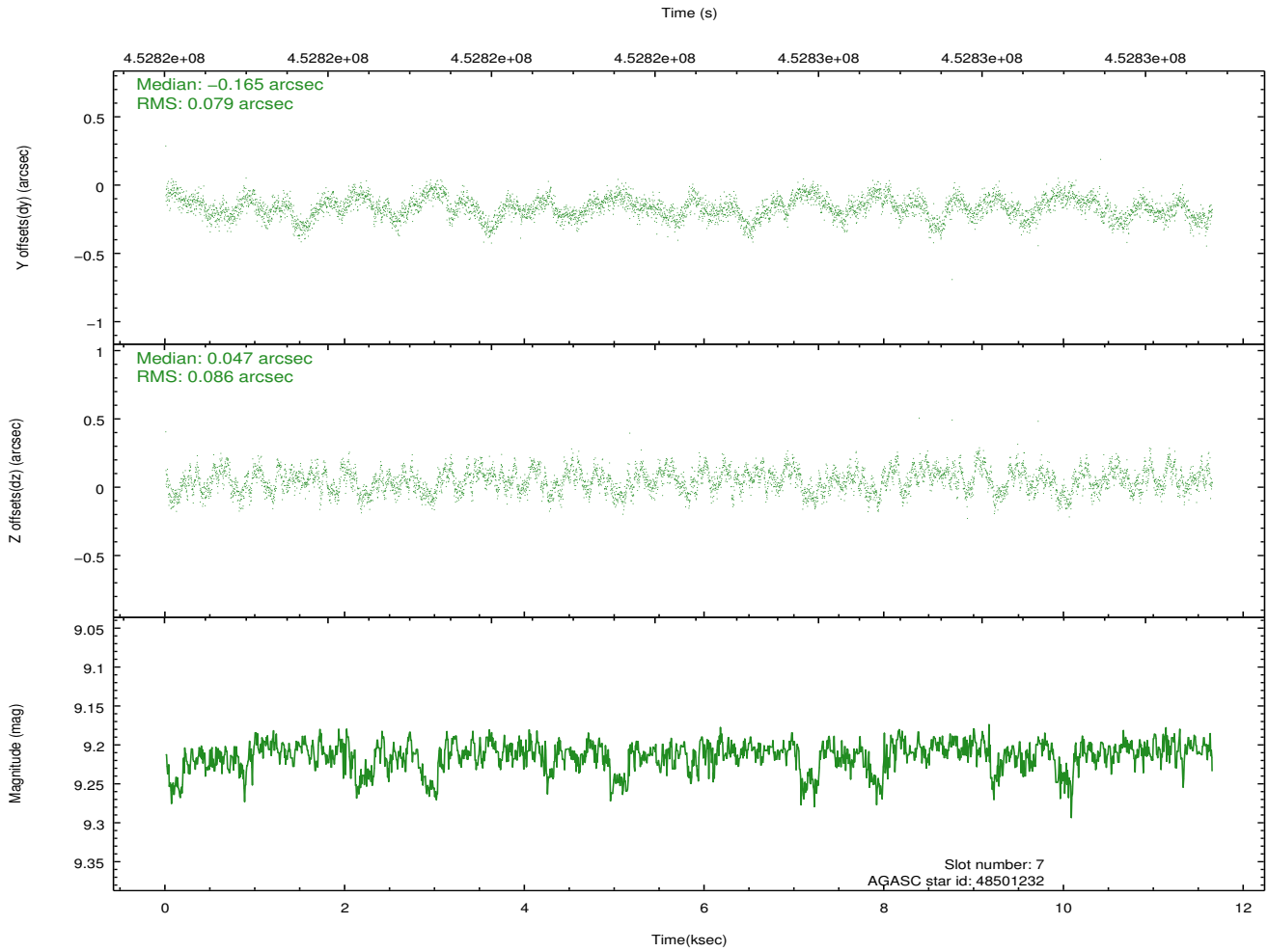
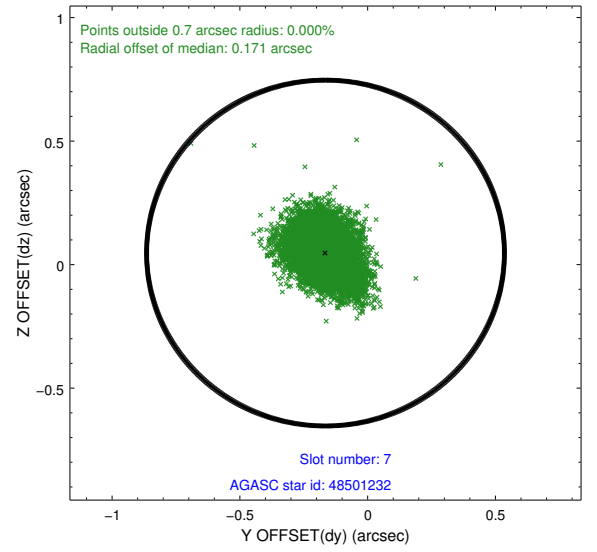
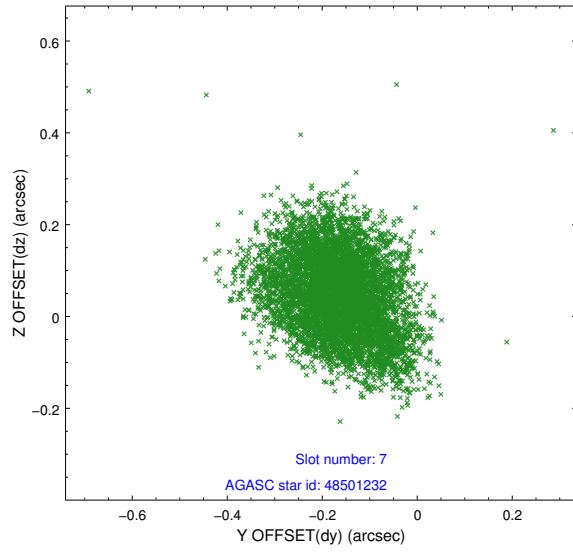
2.4.3 Slot 5



2.4.4 Slot 6

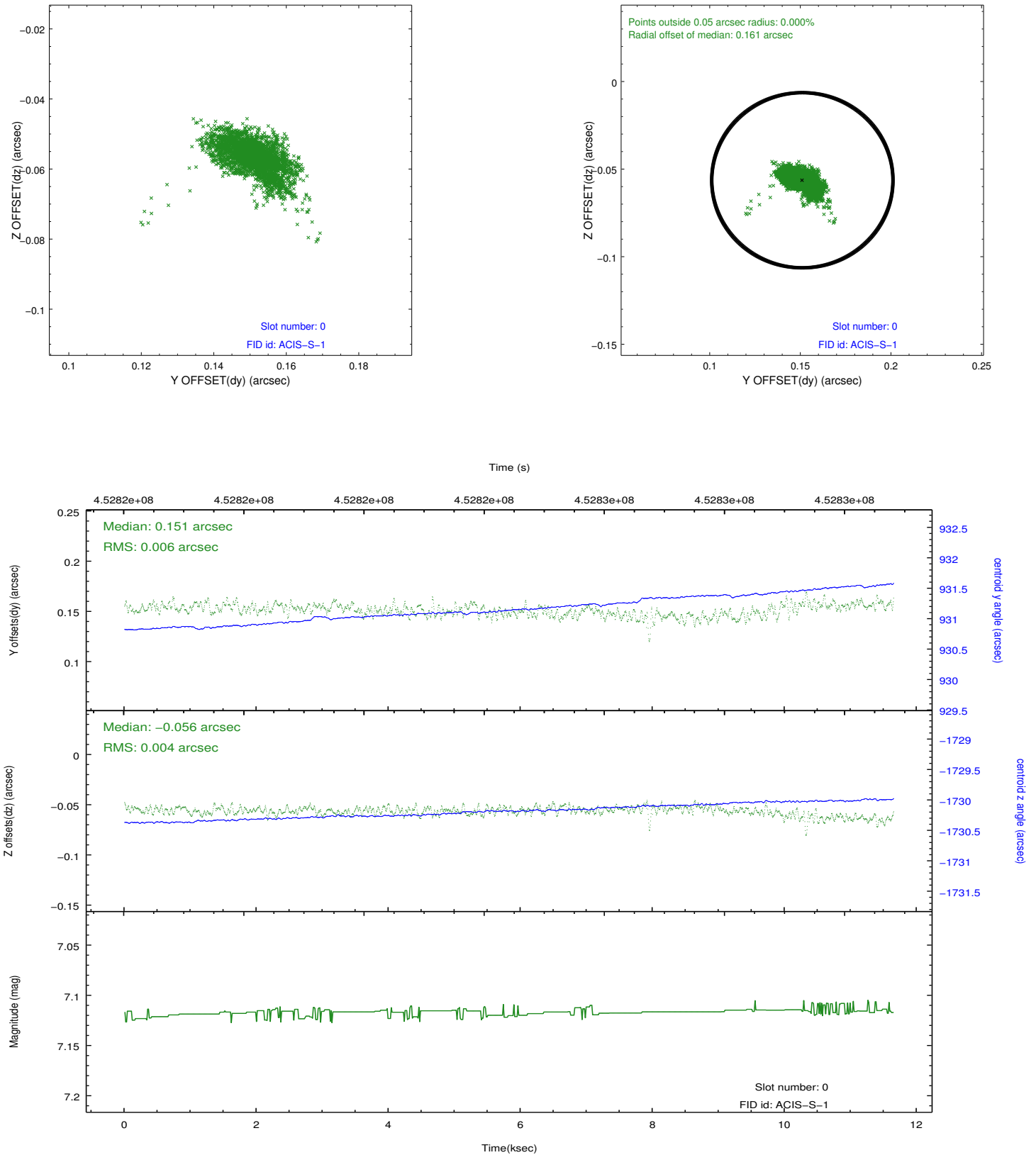


2.4.5 Slot 7

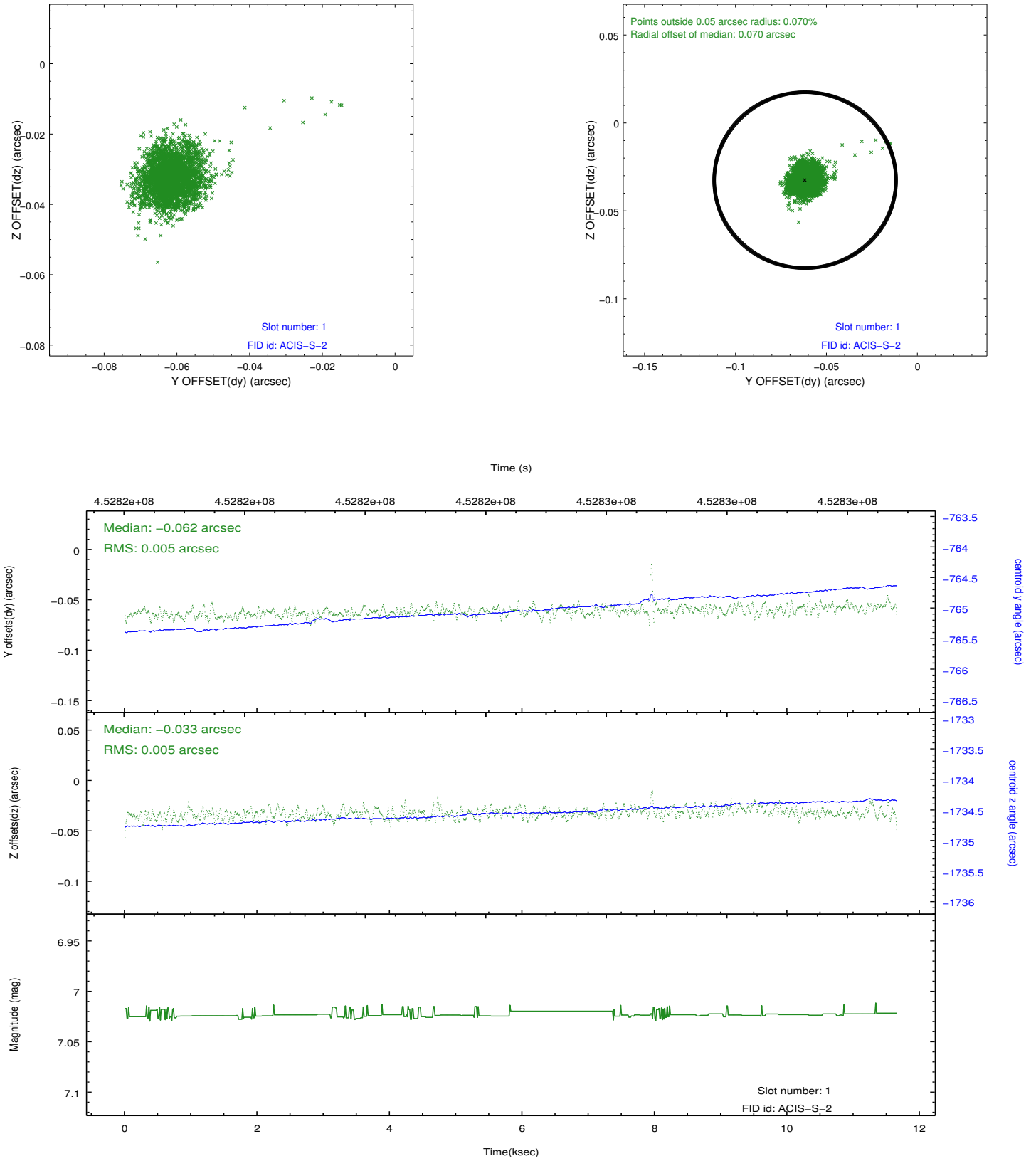


2.5 FID Slots

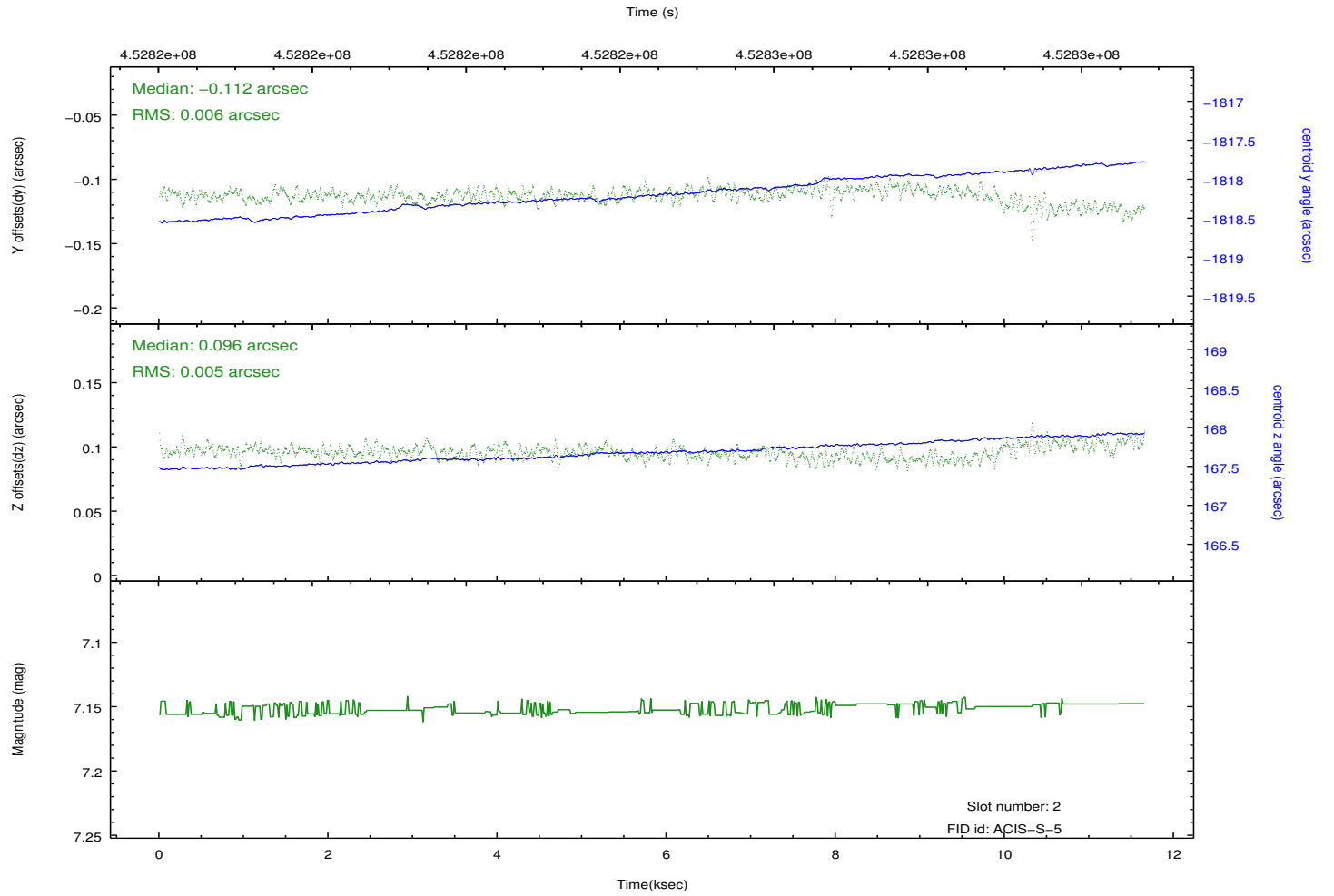
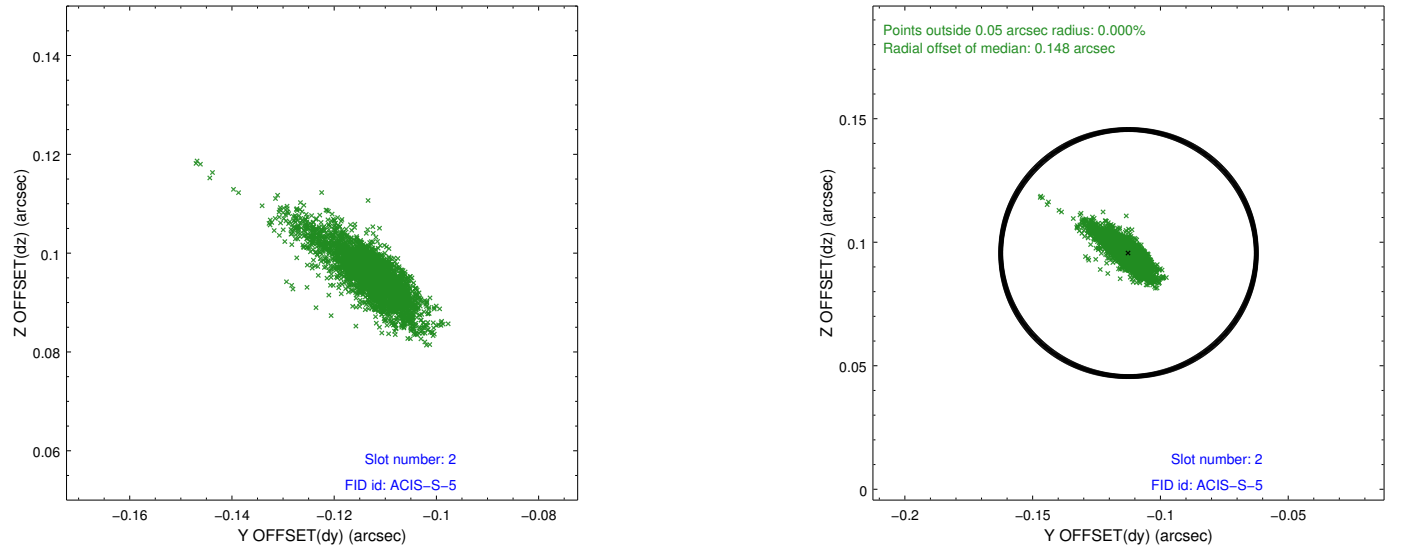
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.253000086546

A.2 Comments