

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 16270 - L2 Version 1
Chandra X-Ray Center

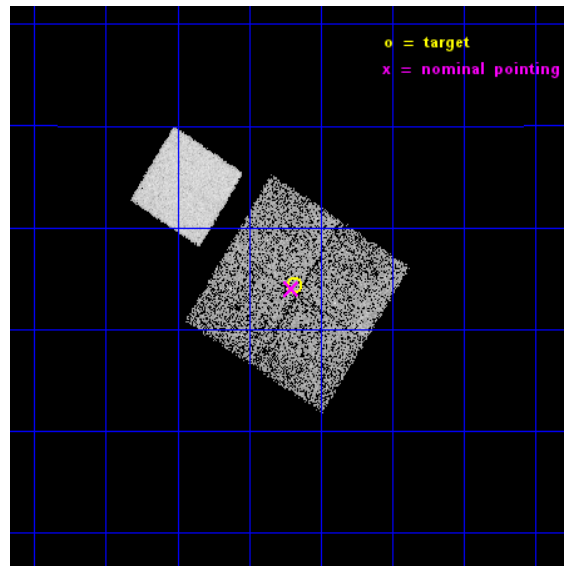
L2 Processing Date : Dec 20 2014

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1 Front

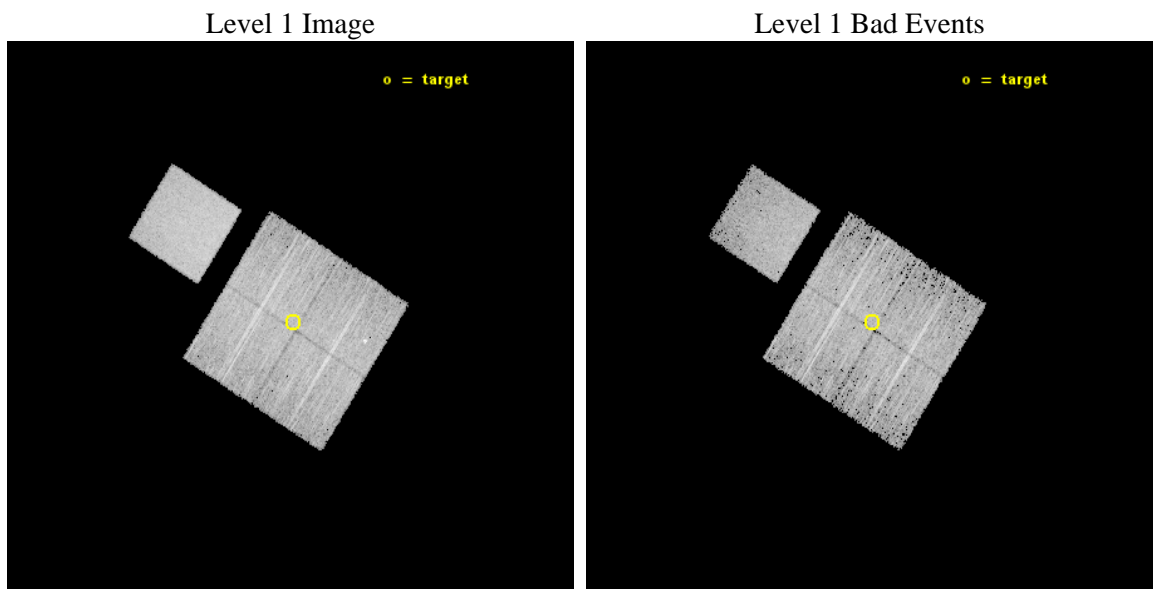
seq_num	703014	Sequence number
obs_id	16270	Observation id
title	X-ray Properties of Selected SDSS Stripe 82 Red Quasars	Proposal t
observer	Dr. Stephen Murray	Principal investigator
object	J205740.76+005418.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	313.42	Observer's specified target RA [deg]
dec_targ	0.905222	Observer's specified target Dec [deg]
ra_nom	313.42623473248	Nominal RA [deg]
dec_nom	0.89992389313735	Nominal Dec [deg]
roll_nom	302.33864332767	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10065.700077415	Sum of GTIs [s]
livetime	9934.1842956425	Livetime [s]
ontime0	10065.700077415	Sum of GTIs [s]
ontime1	10065.700077415	Sum of GTIs [s]
ontime2	10065.700077415	Sum of GTIs [s]
ontime3	10065.700077415	Sum of GTIs [s]
ontime7	10065.700077415	Sum of GTIs [s]
l2events	53326	Number of level 2 events



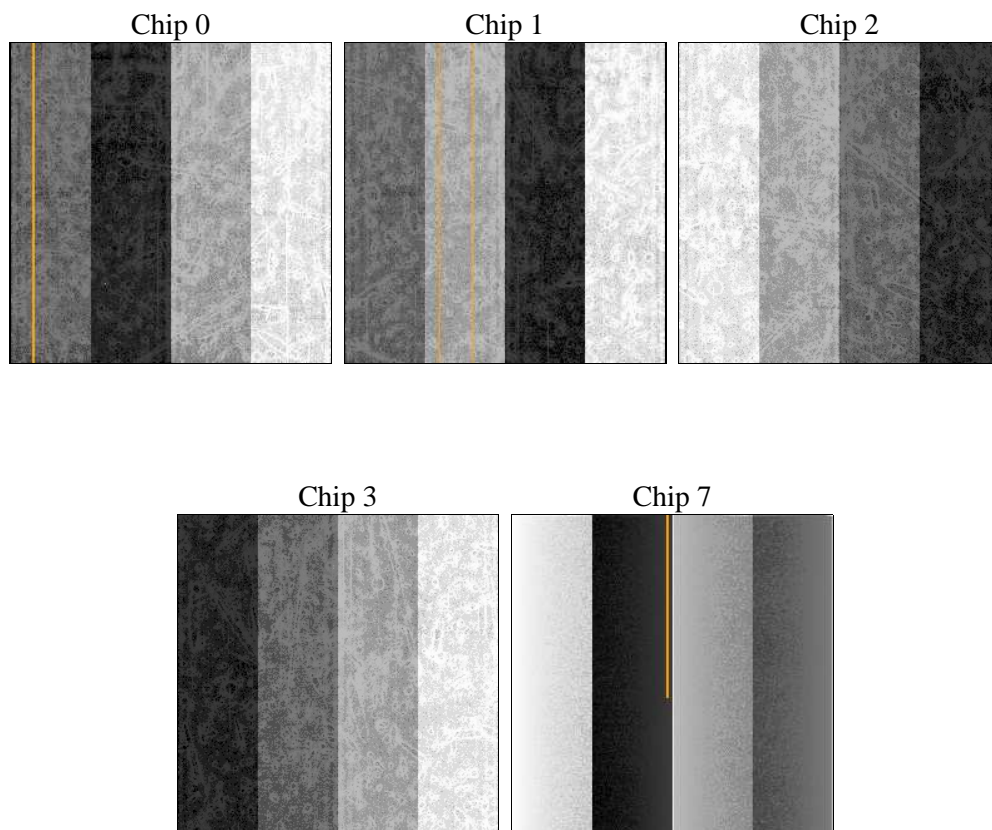
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	10065.700077415	Sum of GTIs [s]
caldsver	4.6.5	 	ontime0	10065.700077415	Sum of GTIs [s]
date	2014-12-21T04:24:21	Date and time of file creation	ontime1	10065.700077415	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	10065.700077415	Sum of GTIs [s]
			ontime3	10065.700077415	Sum of GTIs [s]
			ontime7	10065.700077415	Sum of GTIs [s]
			l1events	280391	Number of level 1 events

2.1.4 Events

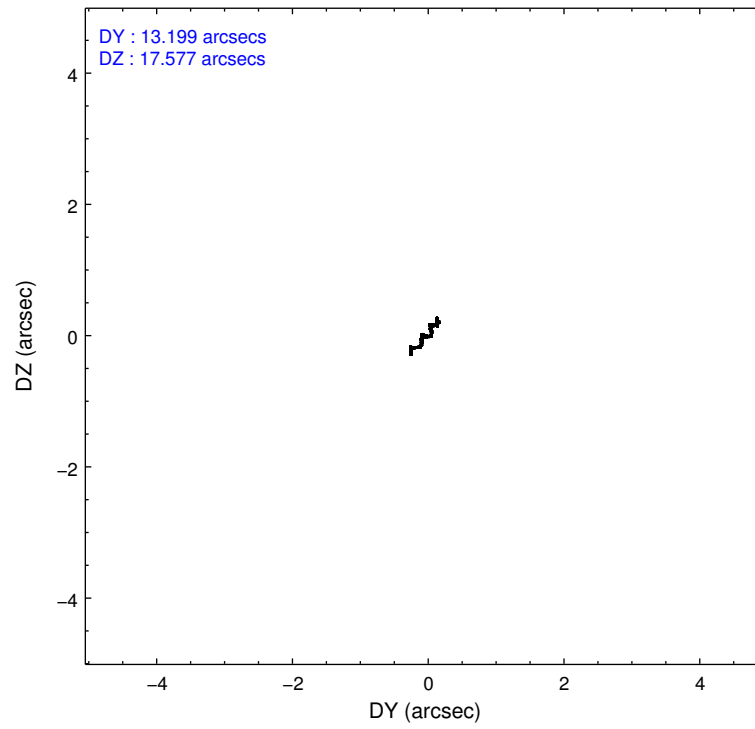
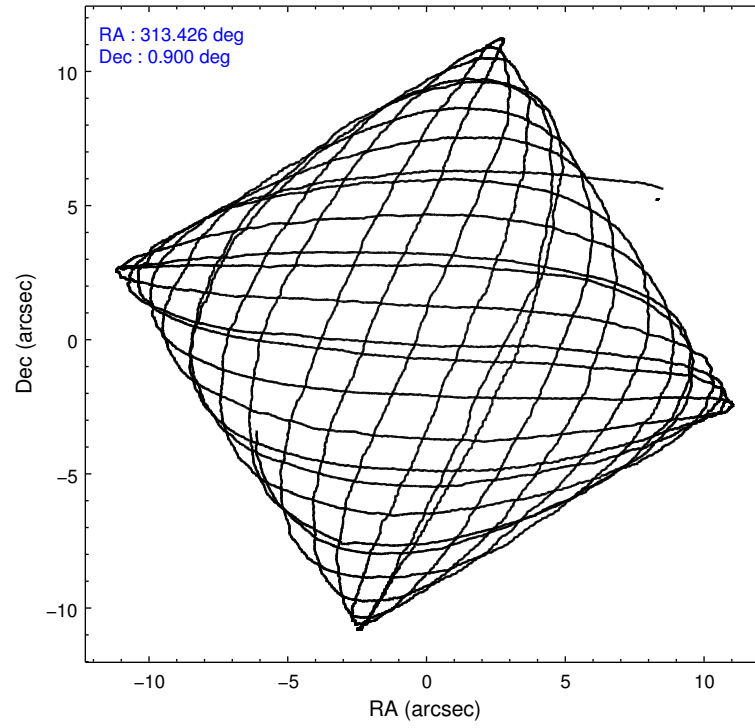
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	49725	50608	53620	54084	72354
rejected events	43386	42991	47101	47592	40543
rejected %	87%	84%	87%	87%	56%

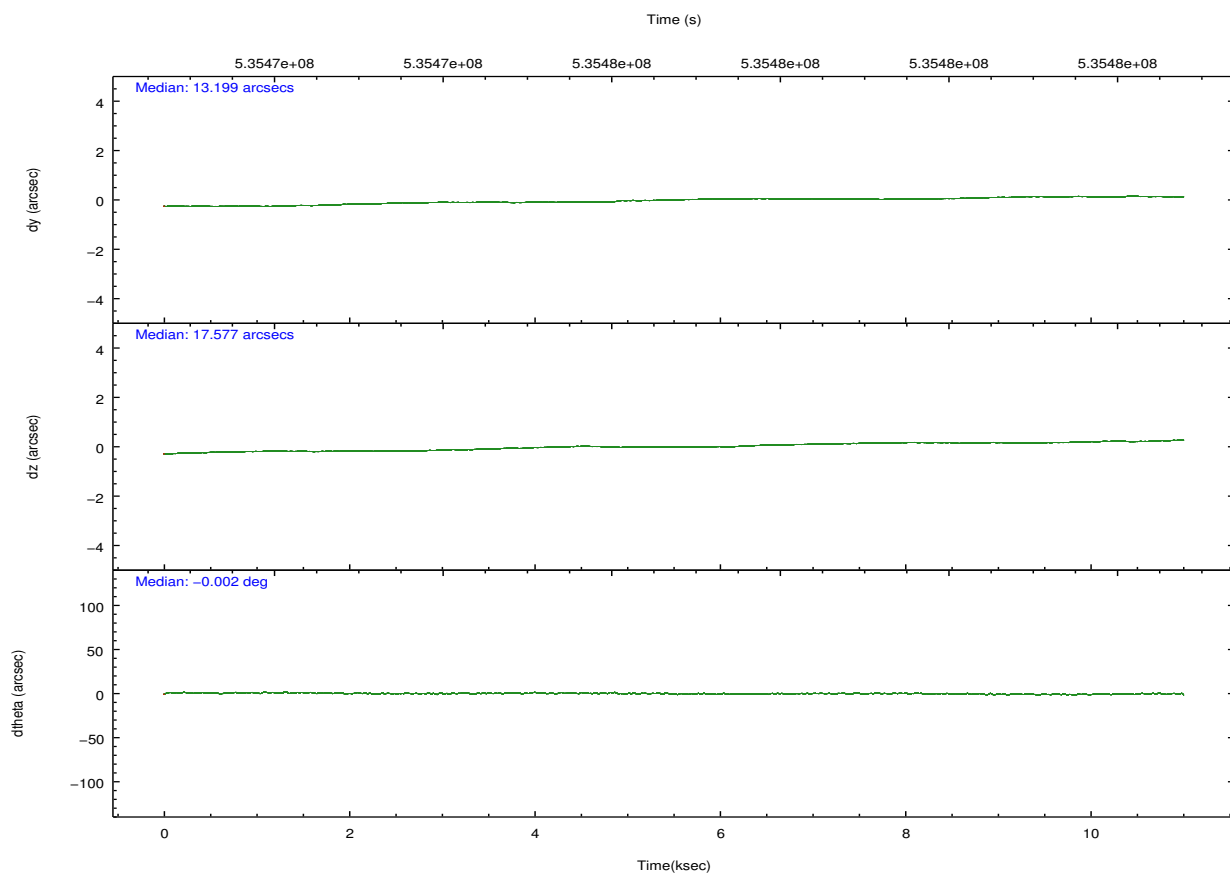
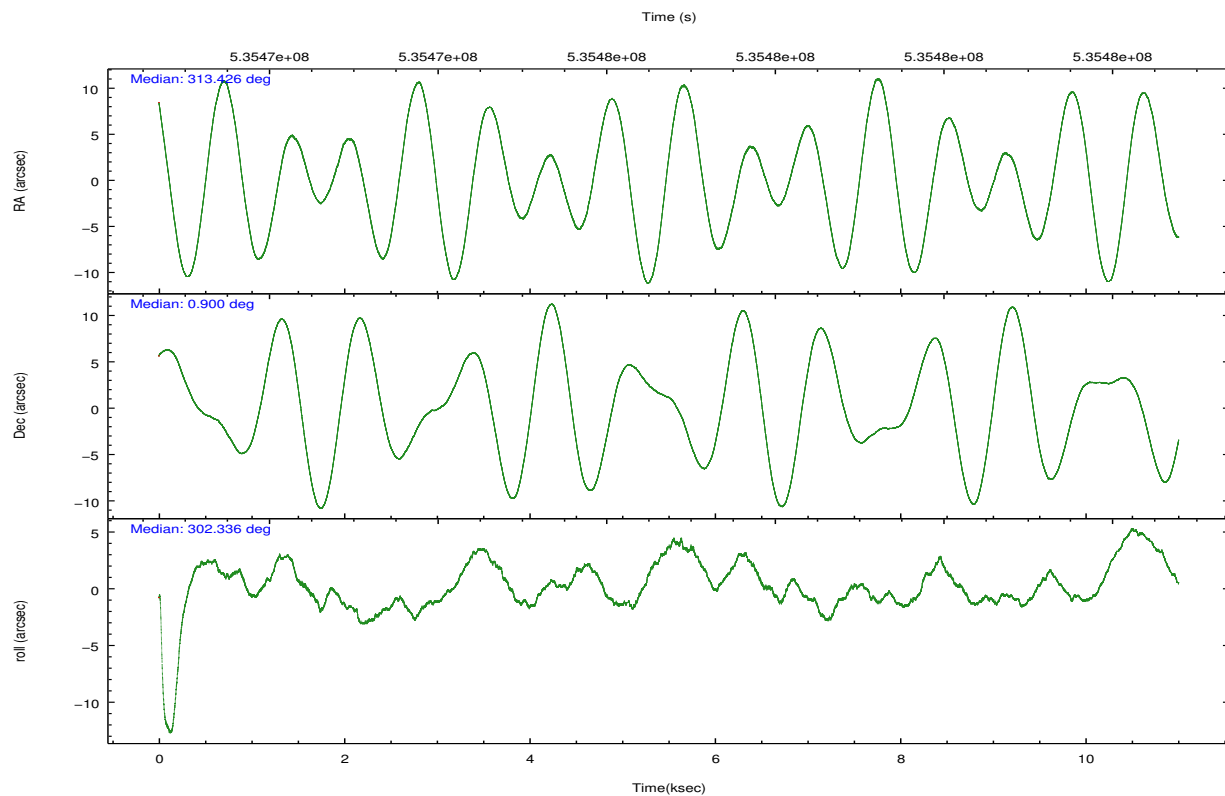
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	2061	2972	2415	2429	2882
	4%	5%	4%	4%	3%
grade 1 events	35	37	26	22	101
	0%	0%	0%	0%	0%
grade 2 events	1641	1712	1553	1417	6655
	3%	3%	2%	2%	9%
grade 3 events	668	713	650	652	2679
	1%	1%	1%	1%	3%
grade 4 events	635	684	648	645	2572
	1%	1%	1%	1%	3%
grade 5 events	2559	2650	2470	2870	7521
	5%	5%	4%	5%	10%
grade 6 events	1338	1537	1255	1355	17040
	2%	3%	2%	2%	23%
grade 7 events	40788	40303	44603	44694	32904
	82%	79%	83%	82%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	313.401744	313.4262347324825	CCD I2 on	Y	Y
[deg] Pointing Dec	0.912656	0.8999238931373468	CCD I3 on	Y	Y
[deg] Pointing Roll	302.130327	302.3386433276673	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	535472231.184000	535470885.04695	CCD S5 on	N	N
Observation start date	2014-12-20T14:16:04	2014-12-20T13:54:45	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	535482231.184000	535483360.83515	On-chip summing requested	N	N
Observation end date	2014-12-20T17:02:44	2014-12-20T17:22:40	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



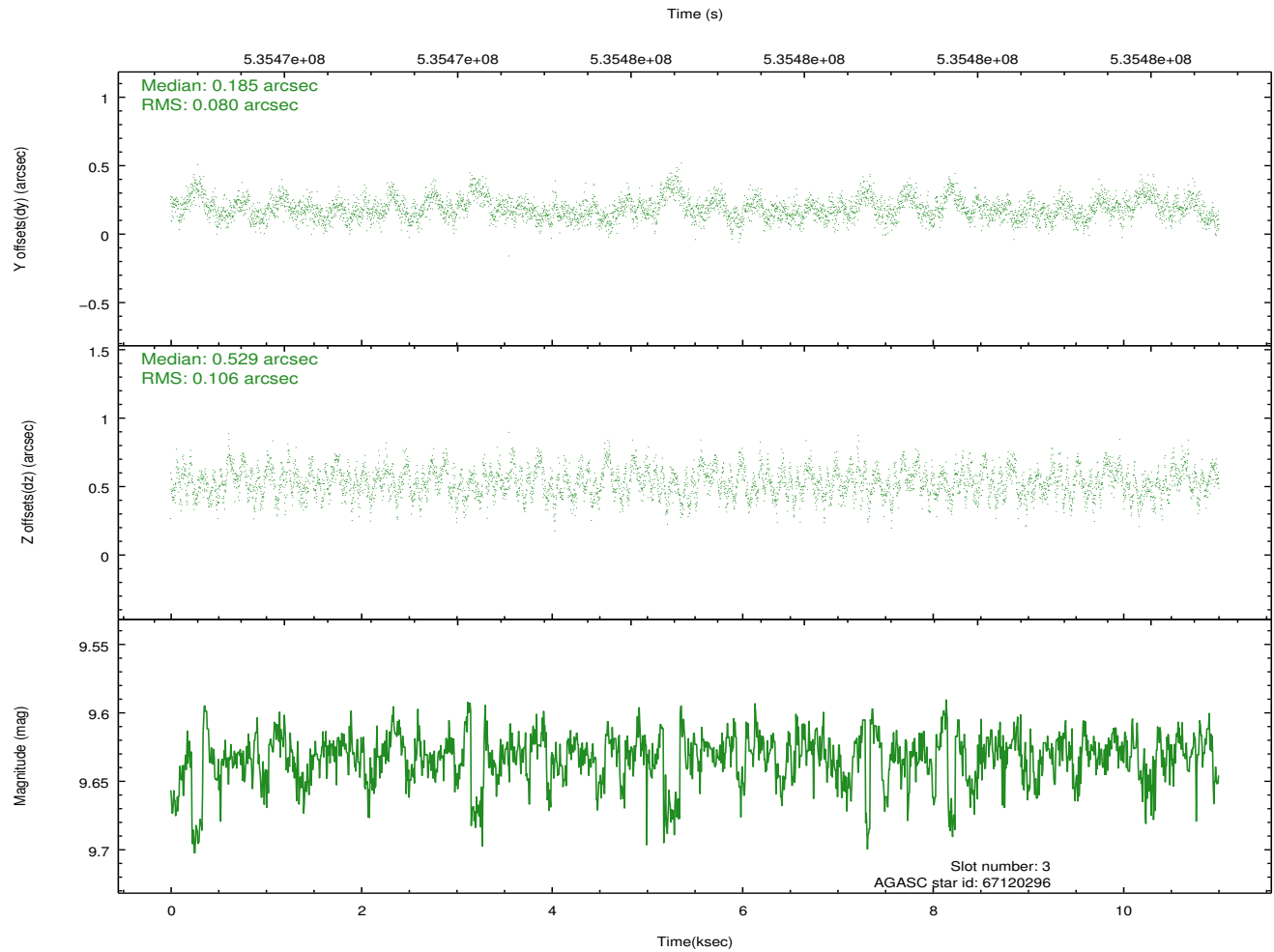
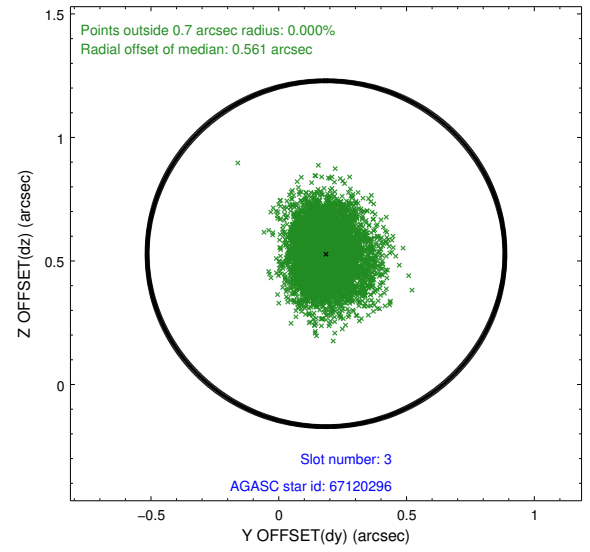
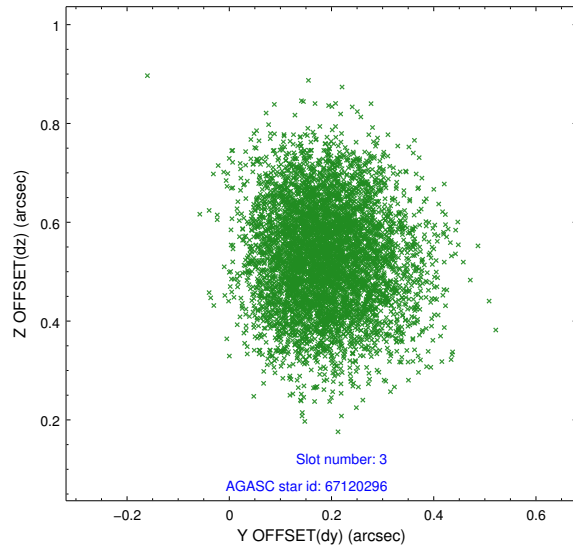


Slot Statistics

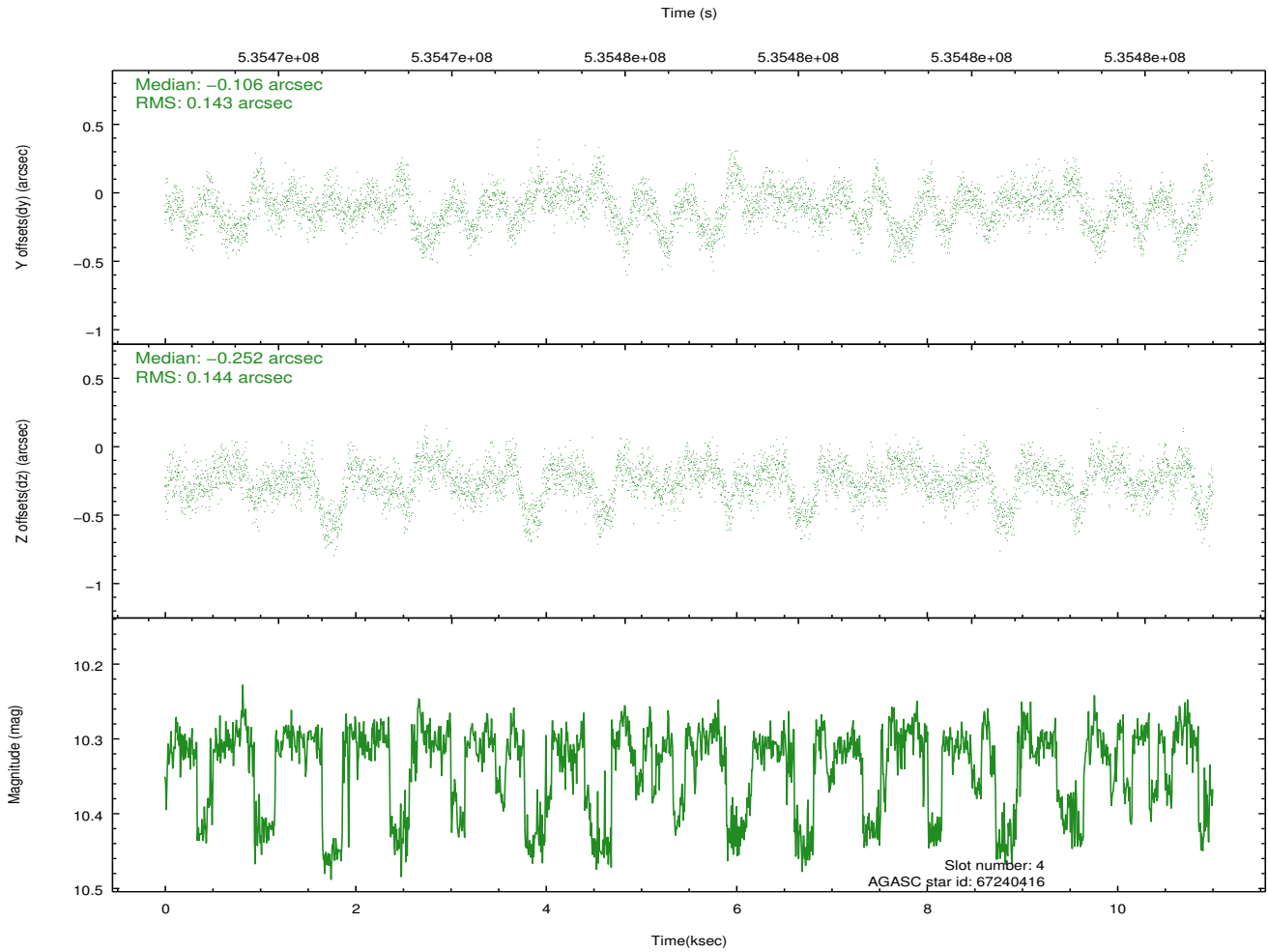
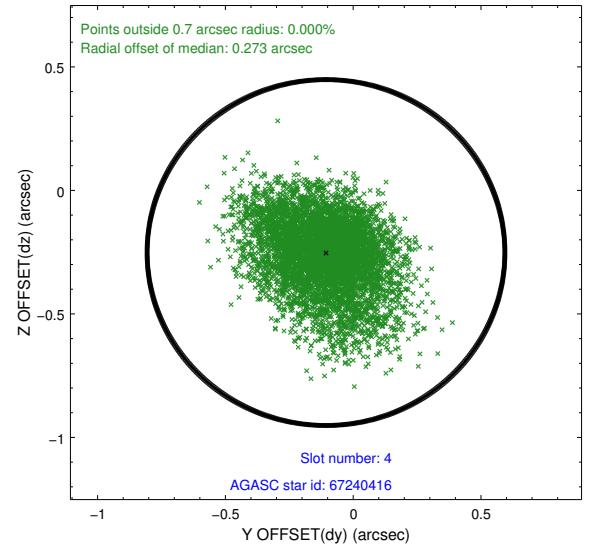
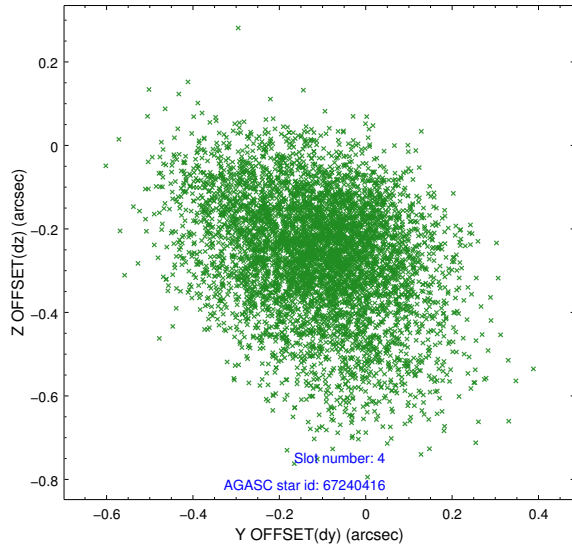
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.13	2685	0.067	-0.003	0.010	0.017	0.000000	0.000000	926.41	-841.26
1	FID		ACIS-I-5	7.14	2685	-0.200	0.081	0.006	0.011	0.000000	0.000000	-1821.70	1056.09
2	FID		ACIS-I-6	7.12	2685	0.041	-0.008	0.010	0.017	0.000000	0.000000	391.43	1701.03
3	GUIDE	used	67120296	9.63	5359	0.185	0.529	0.142	0.228	312.727792	1.019994	-1615.34	-1849.63
4	GUIDE	used	67240416	10.32	5364	-0.106	-0.252	0.215	0.358	313.655559	0.806261	810.01	569.52
5	GUIDE	used	67243344	9.01	5363	0.031	-0.111	0.166	0.266	313.631008	0.671705	1174.08	237.73
6	GUIDE	used	67243448	9.00	5365	0.127	-0.185	0.169	0.237	313.183608	1.337772	-1713.06	148.96
7	GUIDE	used	67249720	9.62	5359	-0.215	0.046	0.175	0.273	313.935715	1.106435	430.87	1998.83

2.4 Star Slots

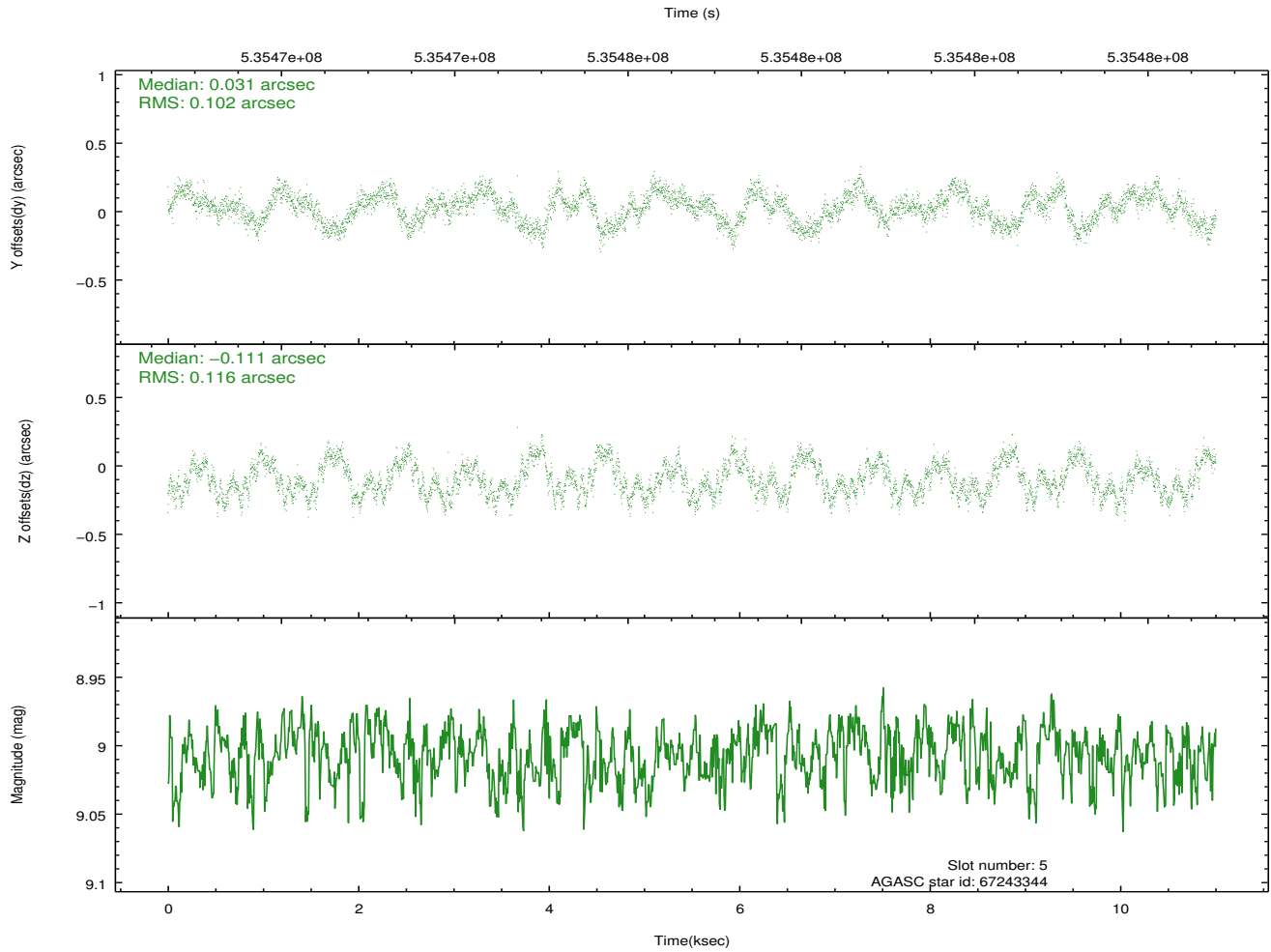
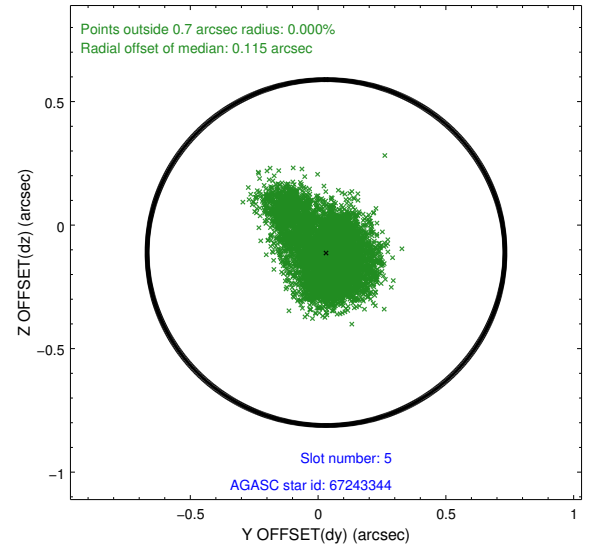
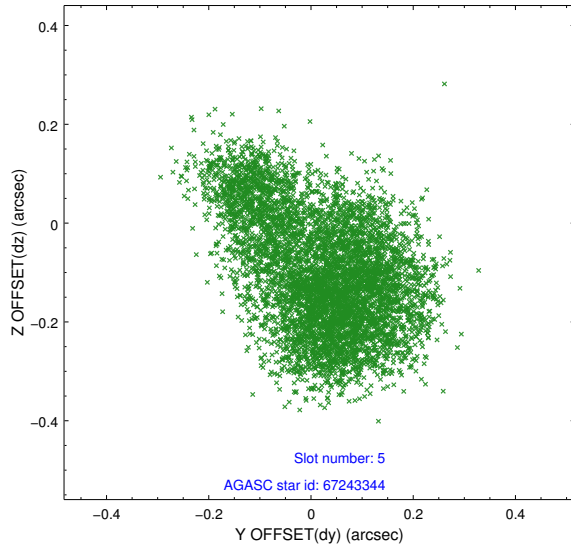
2.4.1 Slot 3



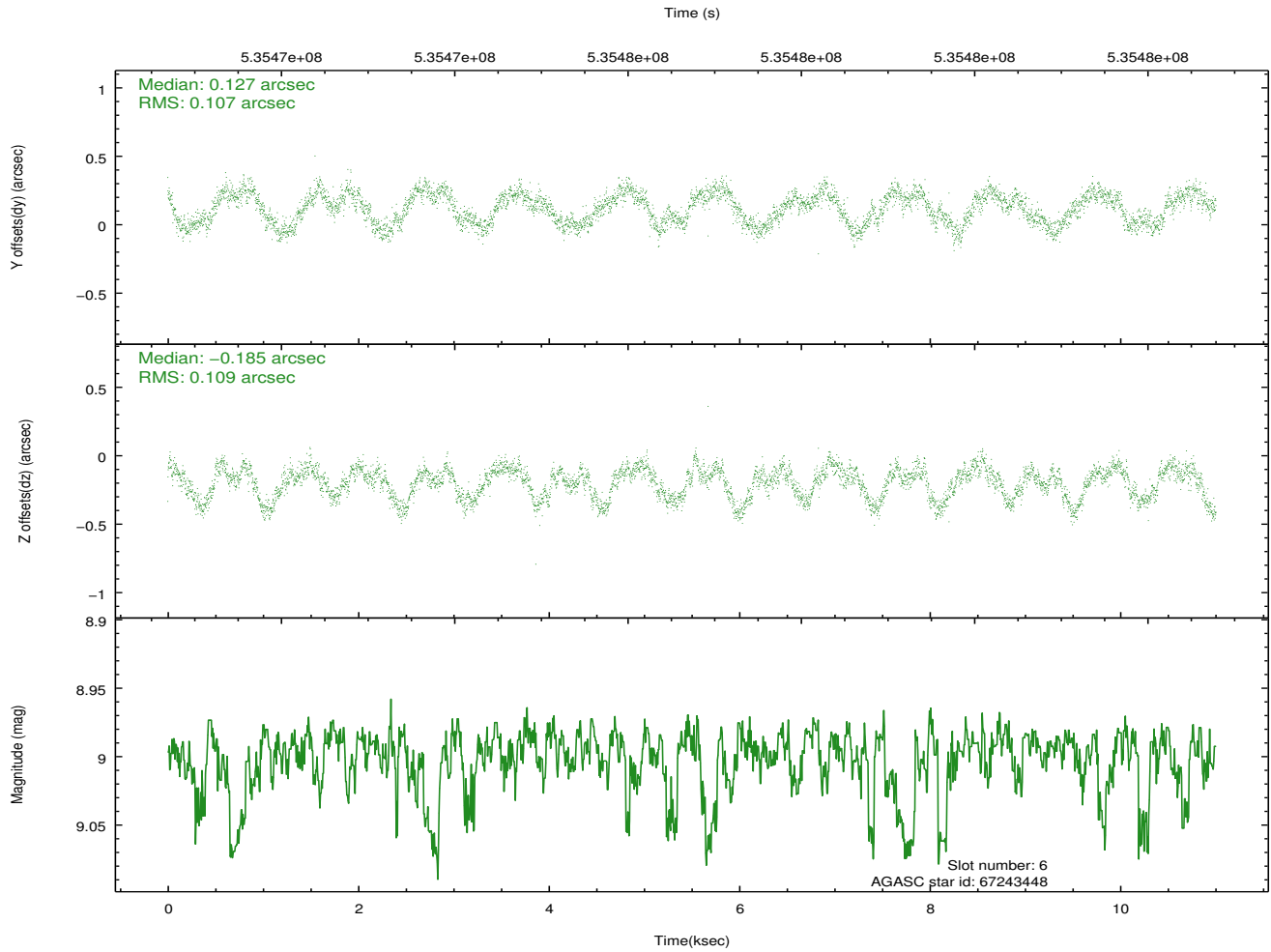
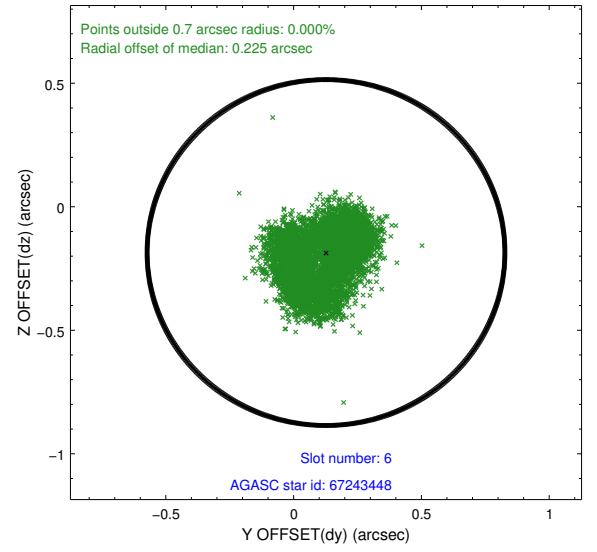
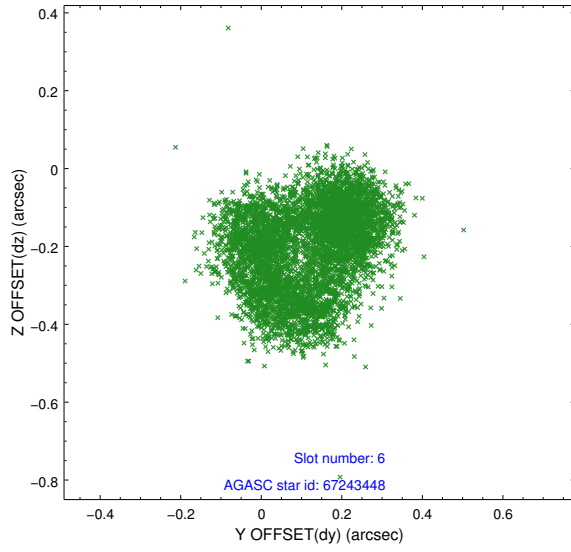
2.4.2 Slot 4



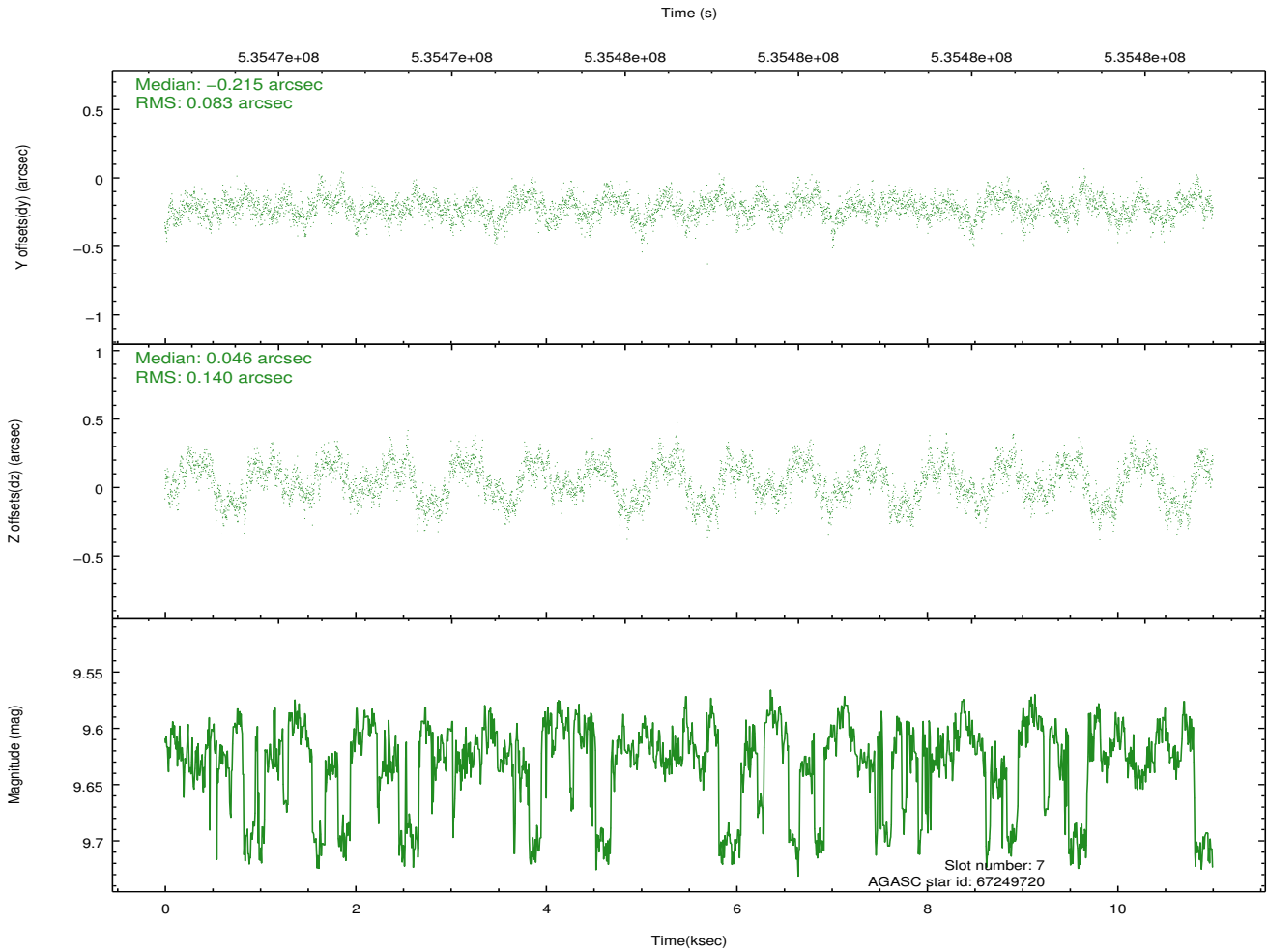
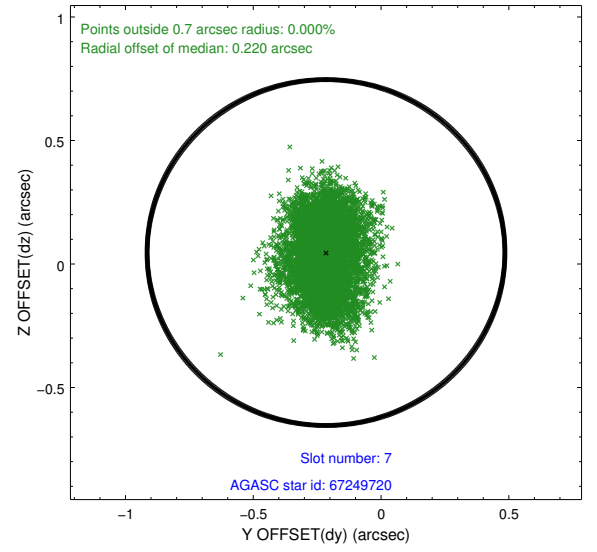
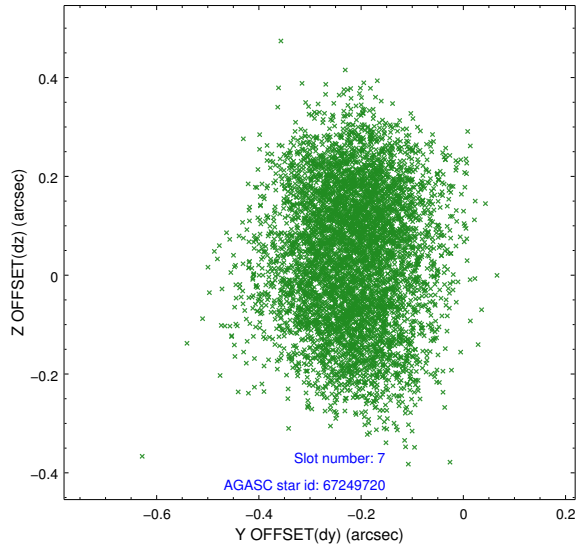
2.4.3 Slot 5



2.4.4 Slot 6

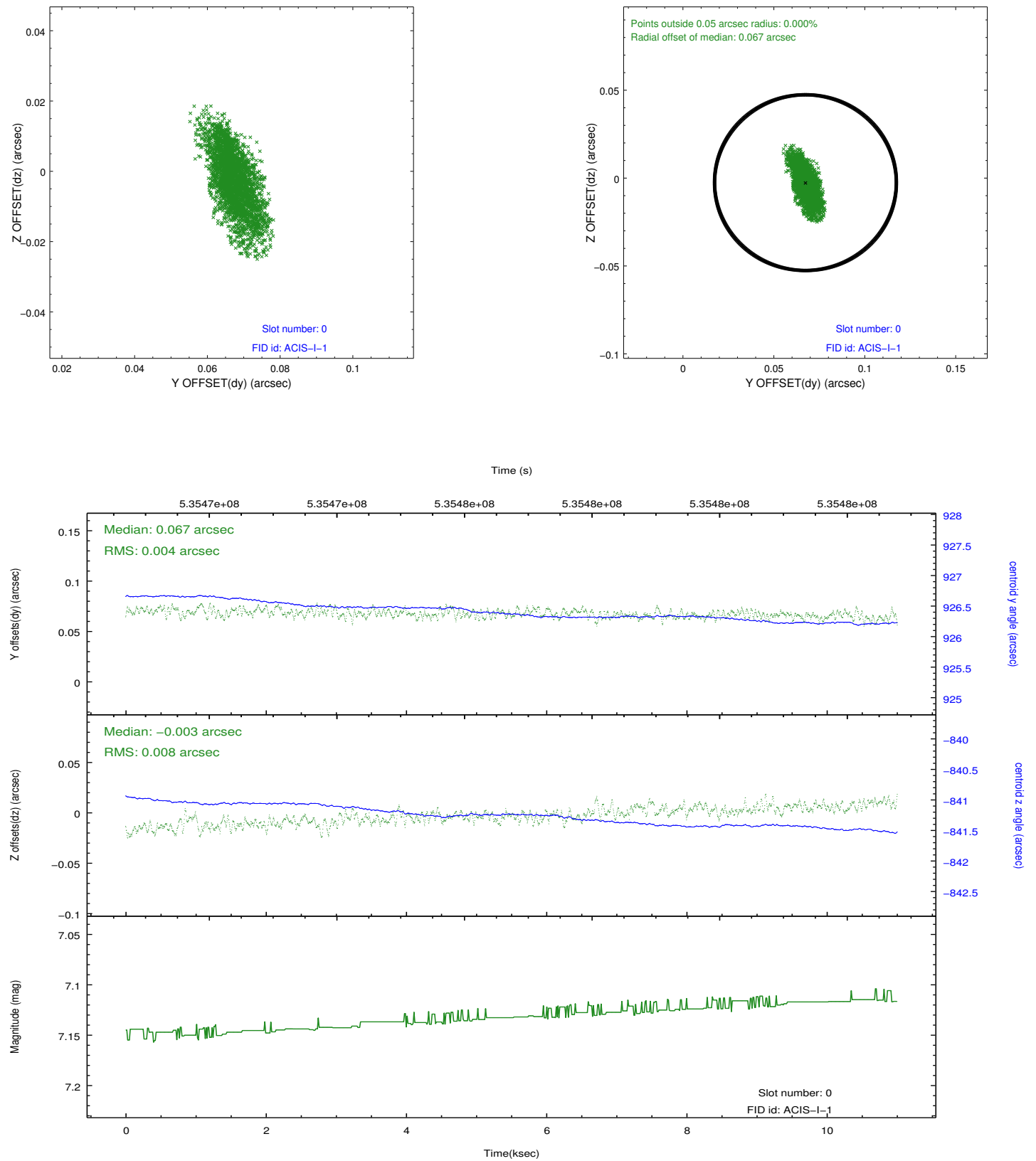


2.4.5 Slot 7

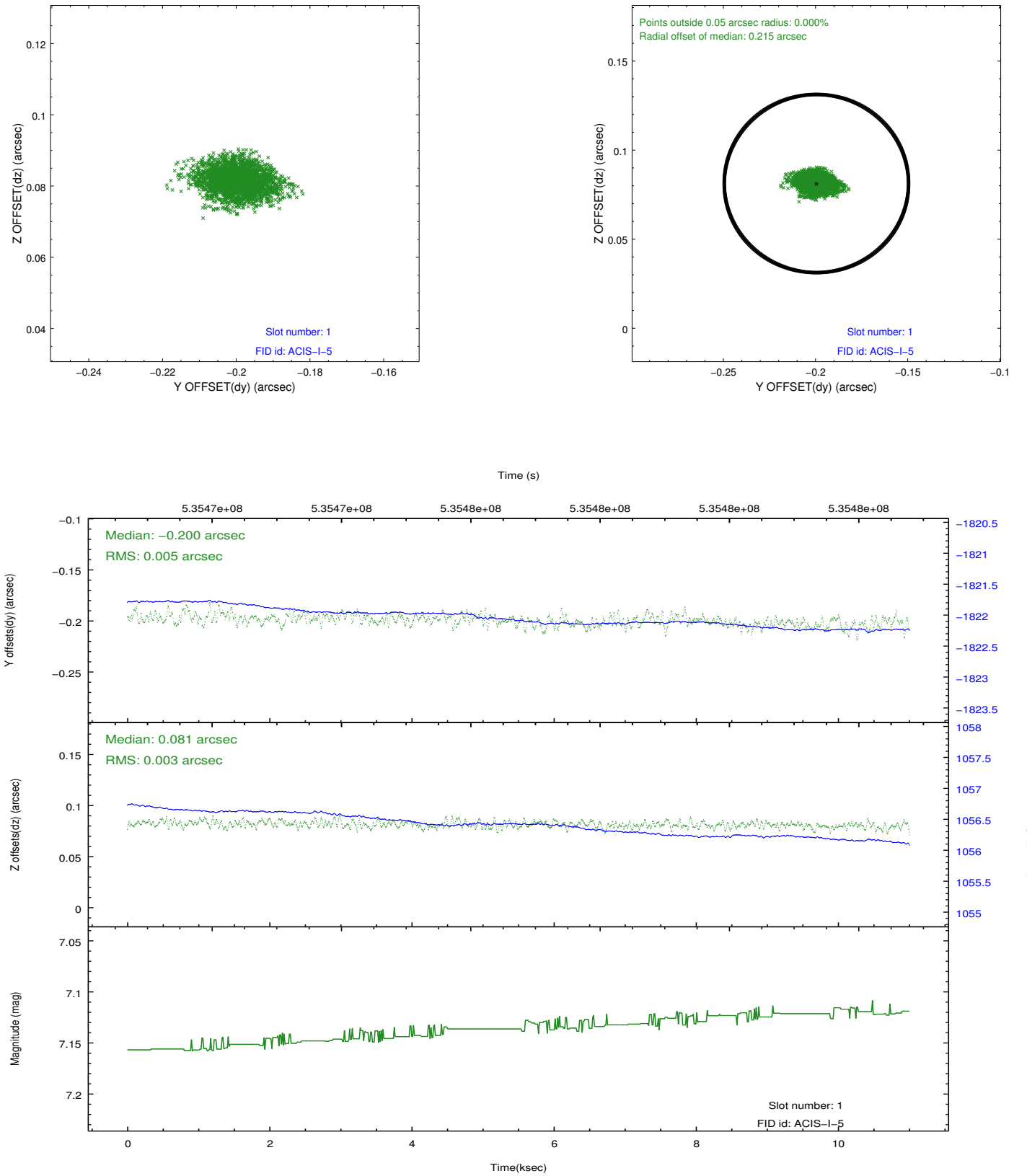


2.5 FID Slots

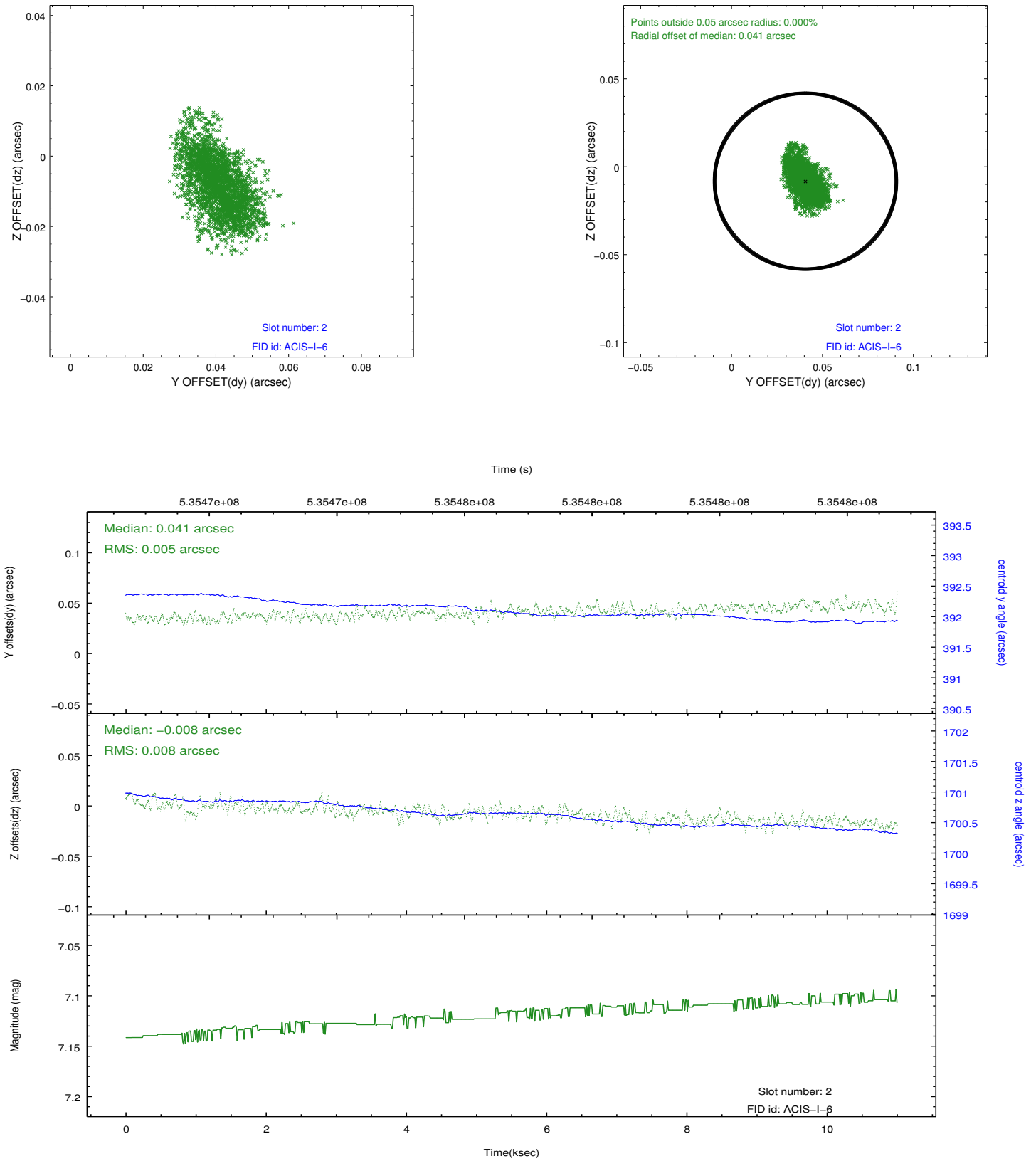
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2014.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.065700077415

A.2 Comments