

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10150 - L2 Version 2
Chandra X-Ray Center

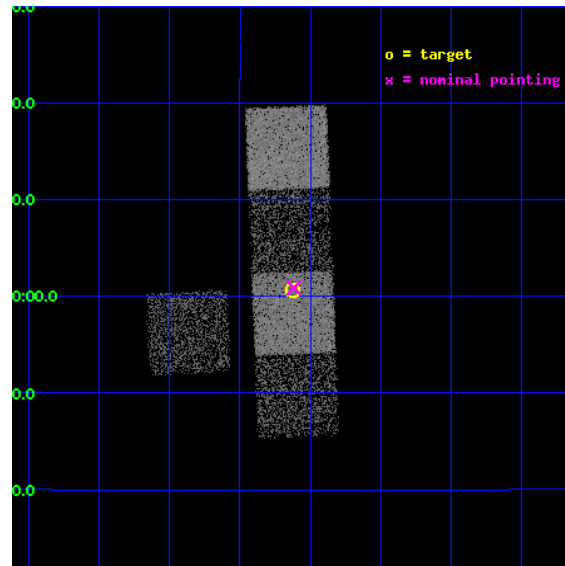
L2 Processing Date : May 31 2012

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

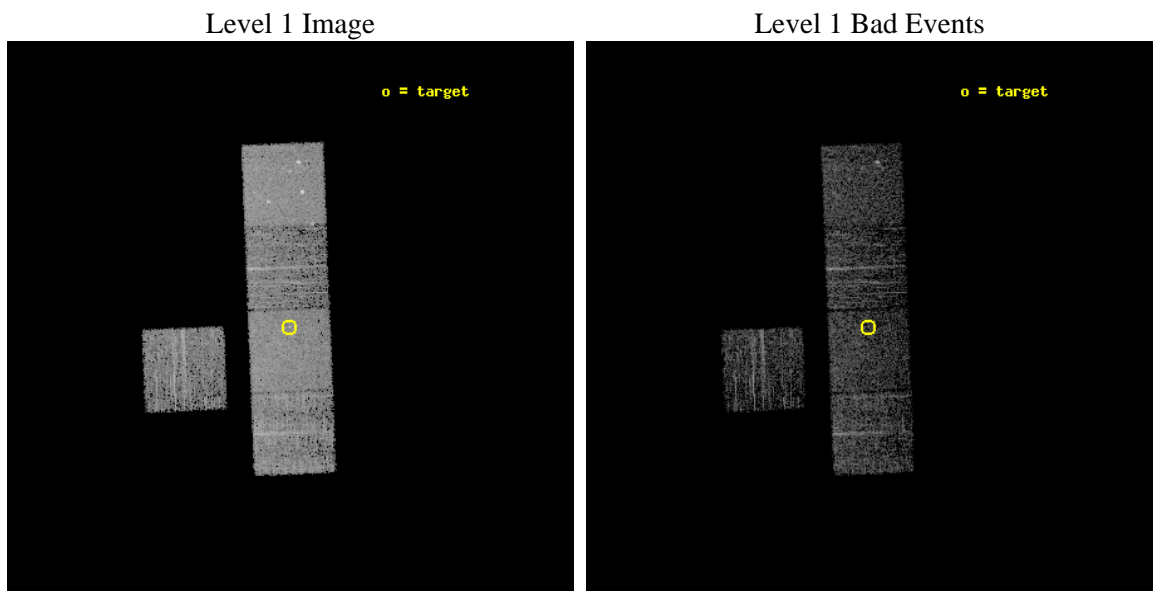
seq_num	501077	Sequence number
obs_id	10150	Observation id
title	Identifying the Nearest and Brightest Neutron Stars	Proposal title
observer	Prof. Derek Fox	Principal investigator
object	1RXSJ122308.4+110054	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	185.781667	Observer's specified target RA [deg]
dec_targ	11.010194	Observer's specified target Dec [deg]
ra_nom	185.77916202842	Nominal RA [deg]
dec_nom	11.014499354263	Nominal Dec [deg]
roll_nom	87.721699205565	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2032.8003937602	Sum of GTIs [s]
livetime	2006.2403600898	Livetime [s]
ontime3	2032.6772737503	Sum of GTIs [s]
ontime5	2032.7593537569	Sum of GTIs [s]
ontime6	2032.7183137536	Sum of GTIs [s]
ontime7	2032.8003937602	Sum of GTIs [s]
ontime8	2032.636233747	Sum of GTIs [s]
l2events	34396	Number of level 2 events



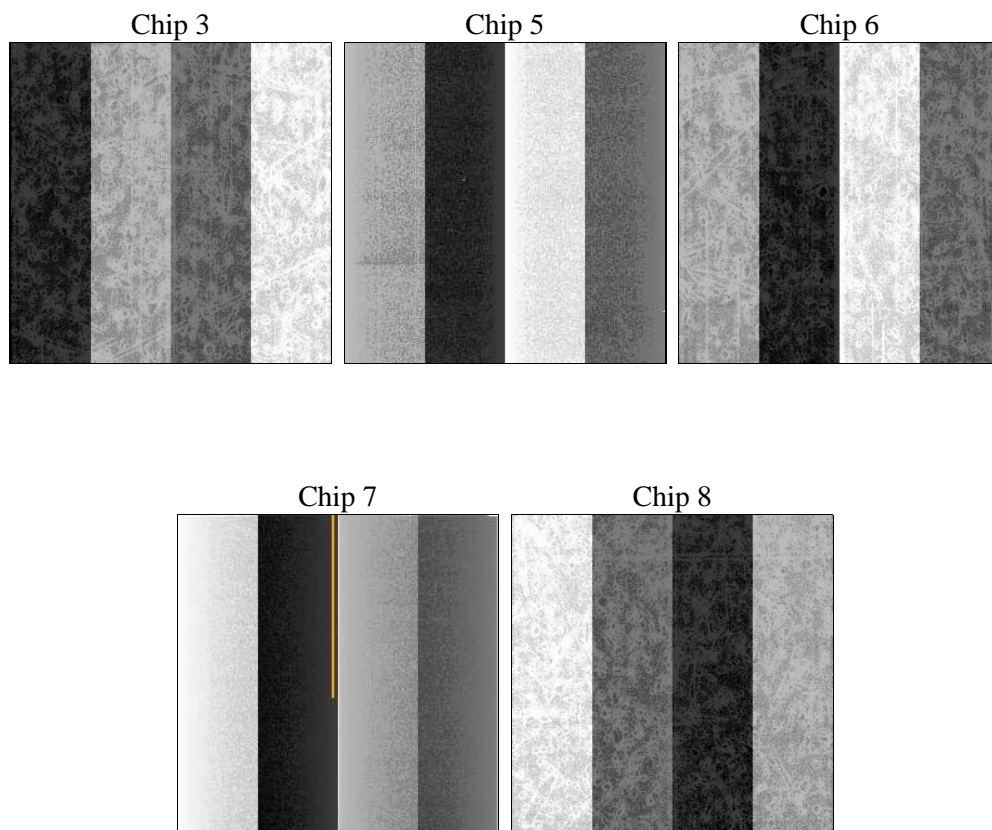
2 OBI

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	8.4.4	Processing system revision	ontime	2032.8003937602	Sum of GTIs [s]
caldsver	4.4.9	 	ontime3	2032.6772737503	Sum of GTIs [s]
date	2012-05-31T14:07:50	Date and time of file creation	ontime5	2032.7593537569	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2032.7183137536	Sum of GTIs [s]
			ontime7	2032.8003937602	Sum of GTIs [s]
			ontime8	2032.636233747	Sum of GTIs [s]
			l1events	134365	Number of level 1 events

2.1.4 Events

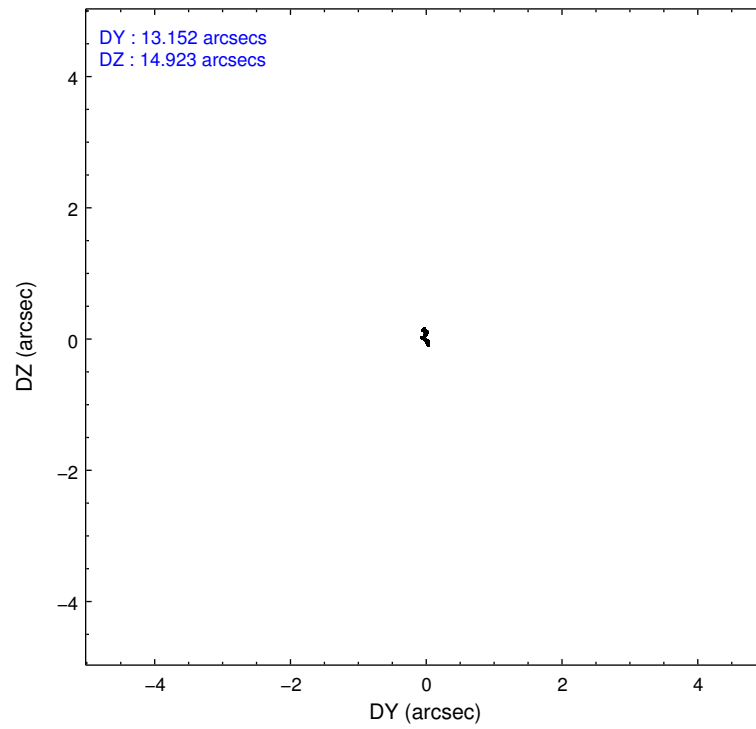
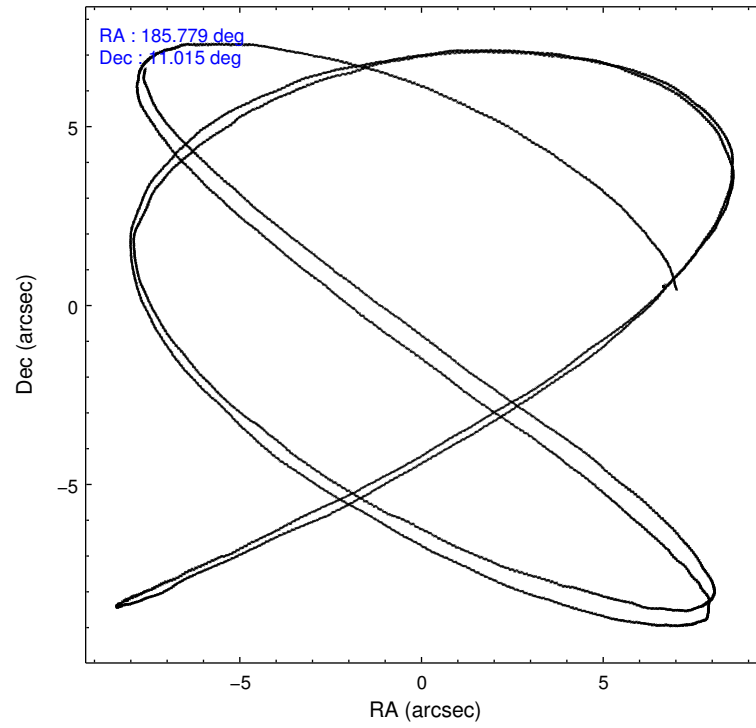
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	21368	34851	20362	30407	27377
rejected events	18811	18537	17782	17522	20982
rejected %	88%	53%	87%	57%	76%

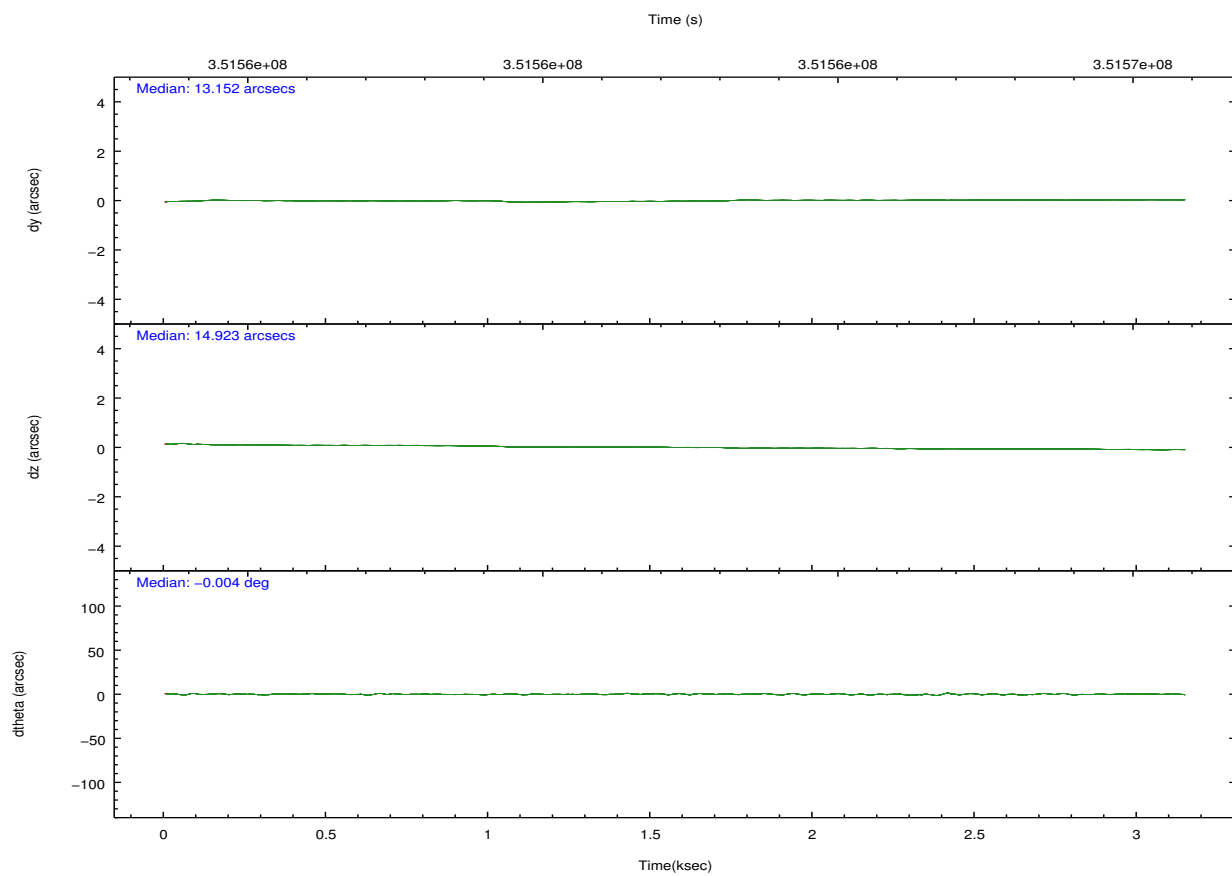
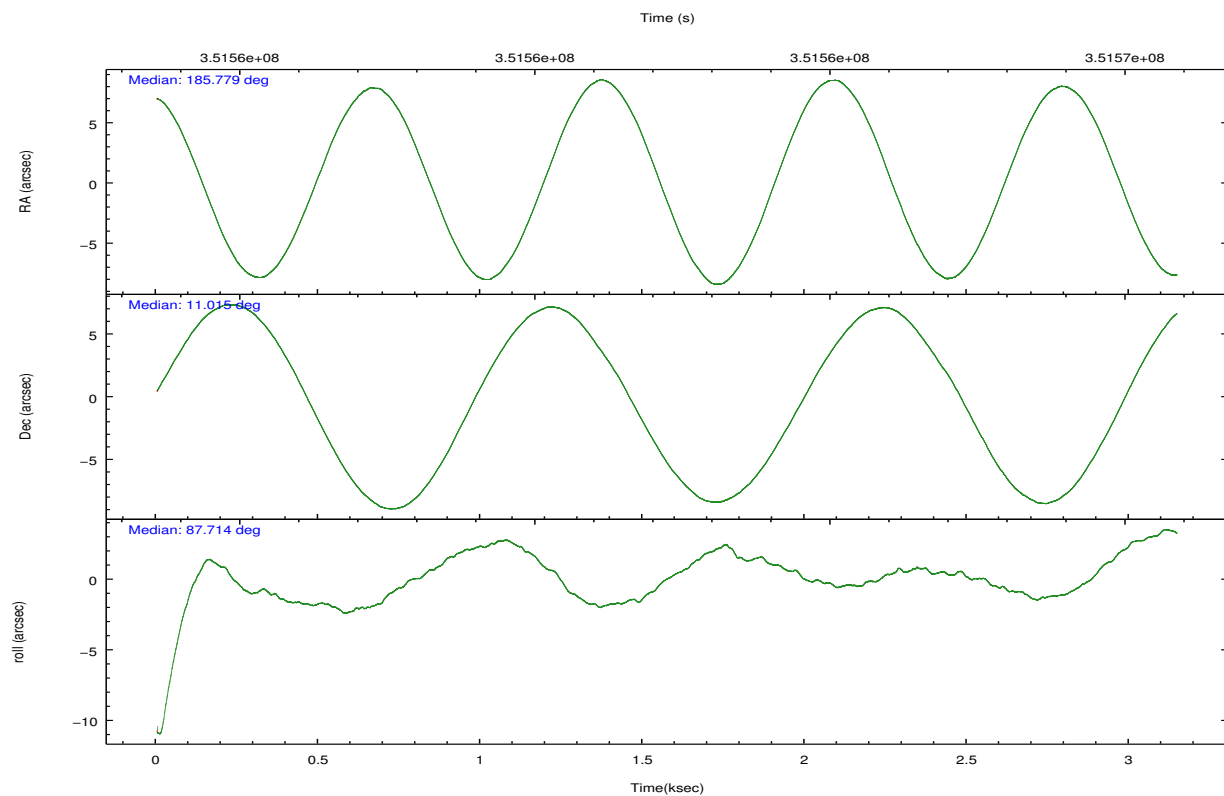
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1113	2023	1001	1190	2039
	5%	5%	4%	3%	7%
grade 1 events	16	73	10	37	21
	0%	0%	0%	0%	0%
grade 2 events	498	5018	530	2681	1385
	2%	14%	2%	8%	5%
grade 3 events	231	558	252	1105	697
	1%	1%	1%	3%	2%
grade 4 events	225	562	259	1106	685
	1%	1%	1%	3%	2%
grade 5 events	1002	2342	997	2831	1367
	4%	6%	4%	9%	4%
grade 6 events	497	8213	543	6845	1596
	2%	23%	2%	22%	5%
grade 7 events	17786	16062	16770	14612	19587
	83%	46%	82%	48%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	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	185.792542	185.7791620284219	CCD I2 on	N	N
[deg] Pointing Dec	10.990390	11.01449935426325	CCD I3 on	Y	Y
[deg] Pointing Roll	87.562516	87.72169920556486	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[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	Y	Y
[s] Observation start time (MET)	351564030.184000	351562621.75348	CCD S5 on	N	N
Observation start date	2009-02-21T00:39:24	2009-02-21T00:17:01	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	351566030.184000	351566925.7287	On-chip summing requested	N	N
Observation end date	2009-02-21T01:12:44	2009-02-21T01:28:45	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



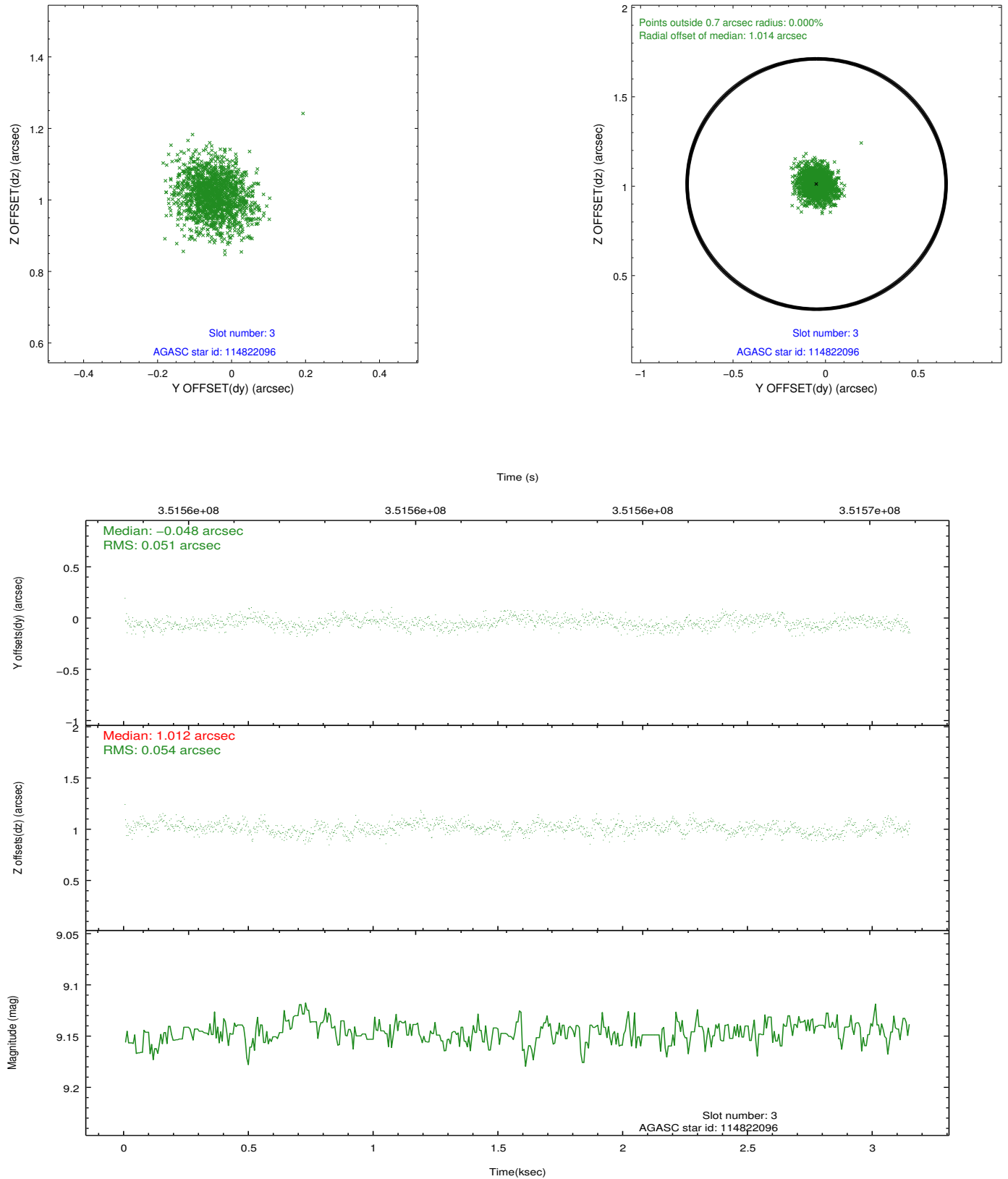


Slot Statistics

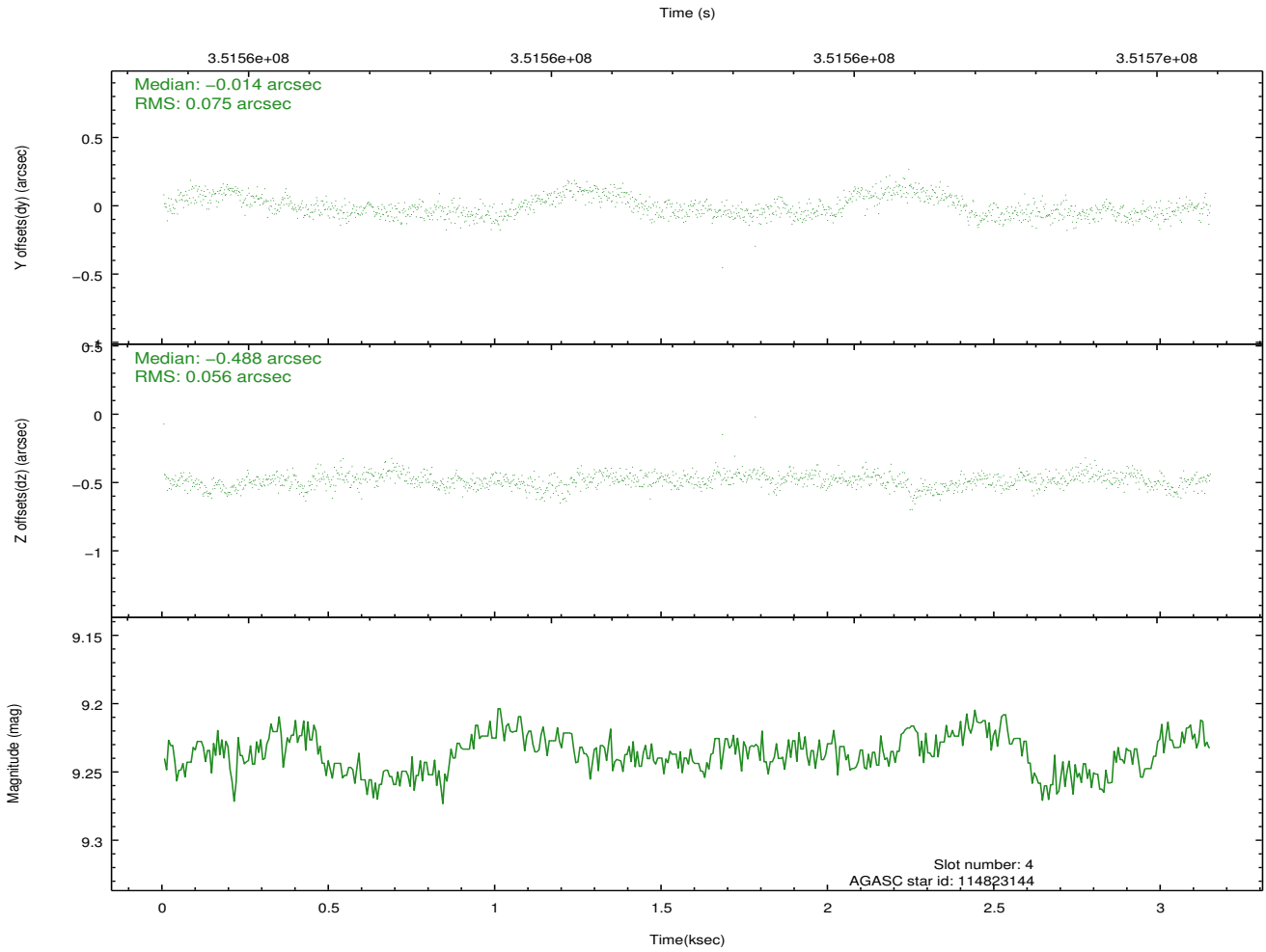
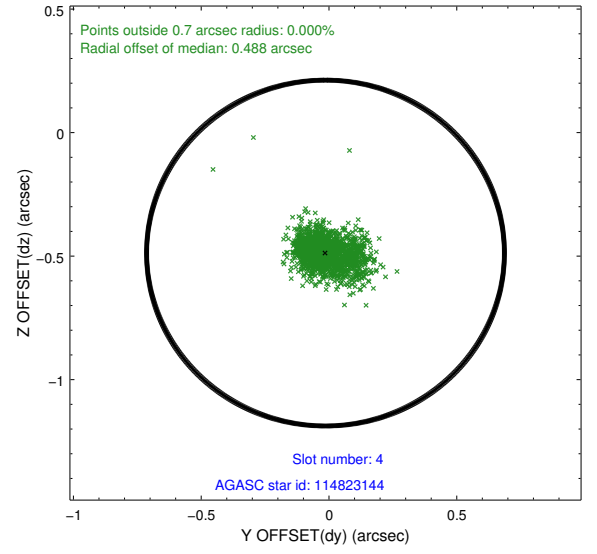
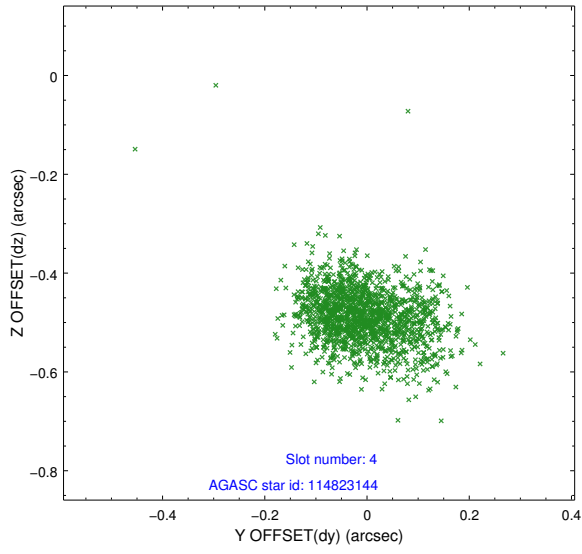
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	768	-0.082	-0.048	0.005	0.009	0.000000	0.000000	-766.14	-1736.36
1	FID	ACIS-S-4	6.99	768	0.104	0.038	0.006	0.011	0.000000	0.000000	2146.39	170.12
2	FID	ACIS-S-6	7.12	768	-0.050	0.017	0.007	0.013	0.000000	0.000000	398.46	809.79
3	GUIDE	114822096	9.15	1533	-0.048	1.012	0.079	0.129	186.117793	11.168056	688.57	-1119.27
4	GUIDE	114823144	9.24	1534	-0.014	-0.488	0.096	0.165	185.759442	11.403801	1482.31	179.17
5	GUIDE	114823840	9.22	1535	0.227	-0.130	0.113	0.183	186.195871	10.717151	-920.53	-1466.35
6	GUIDE	114819552	8.96	1527	-0.171	-0.500	0.095	0.154	185.130690	11.375327	1286.71	2391.66
7	GUIDE	114957648	9.56	1533	-0.008	0.103	0.141	0.225	186.459555	10.641928	-1149.72	-2407.84

2.4 Star Slots

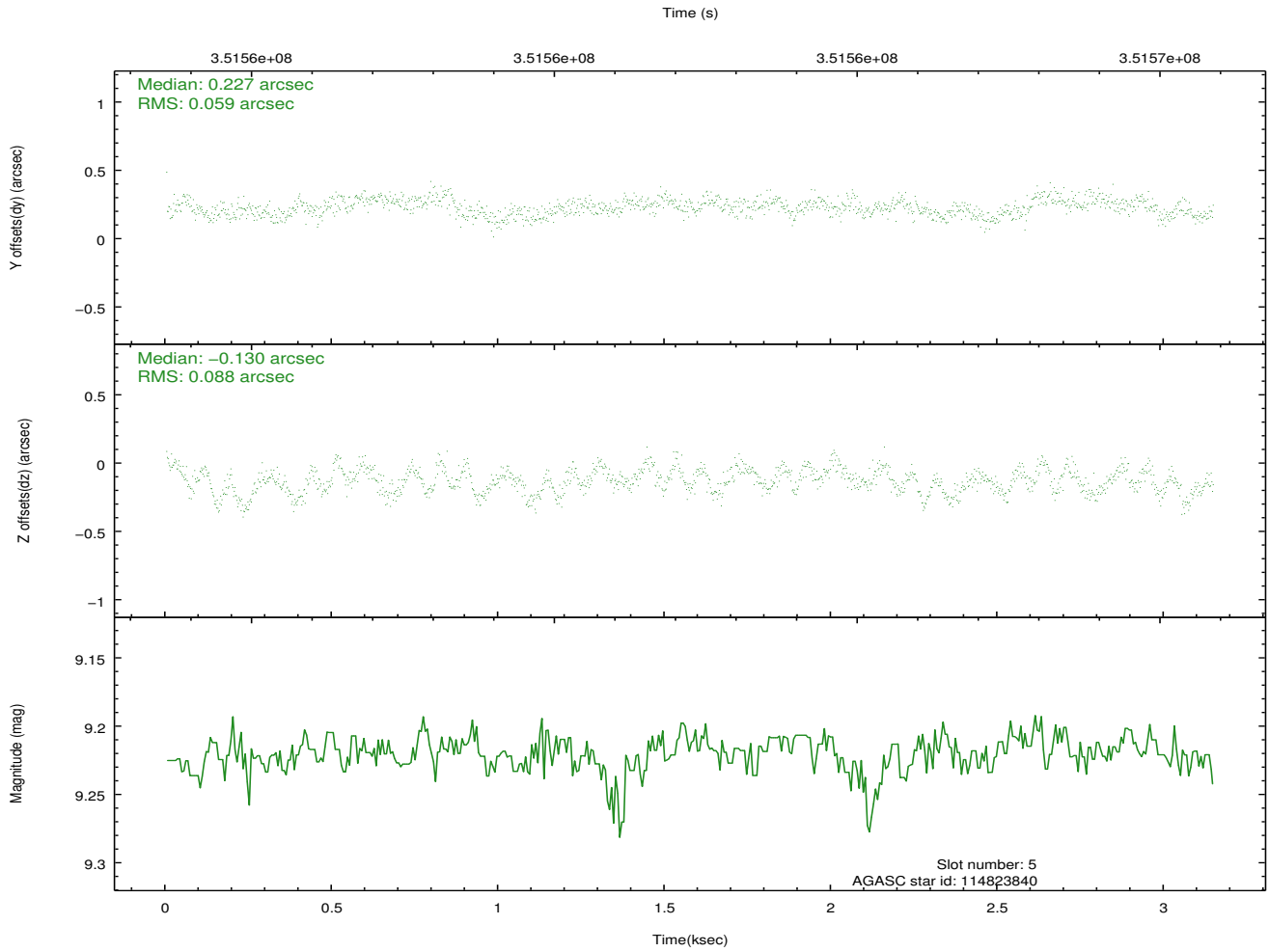
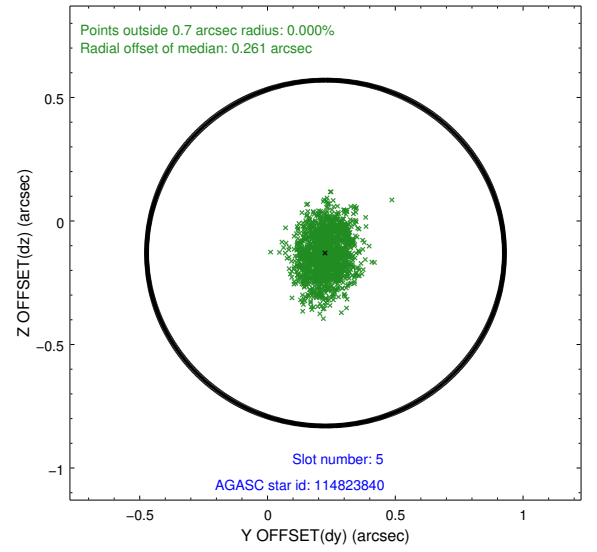
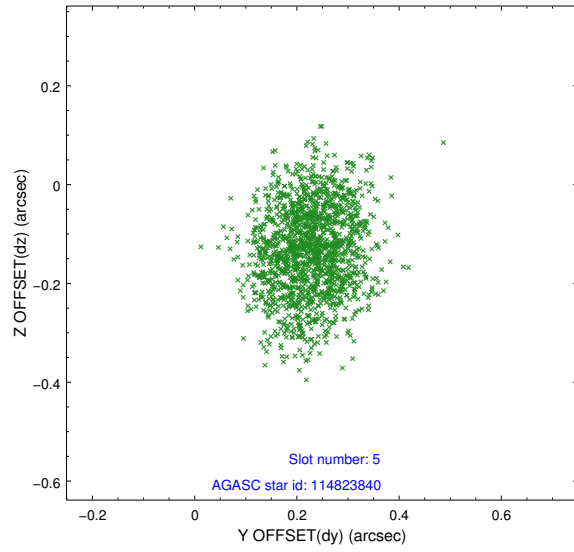
2.4.1 Slot 3



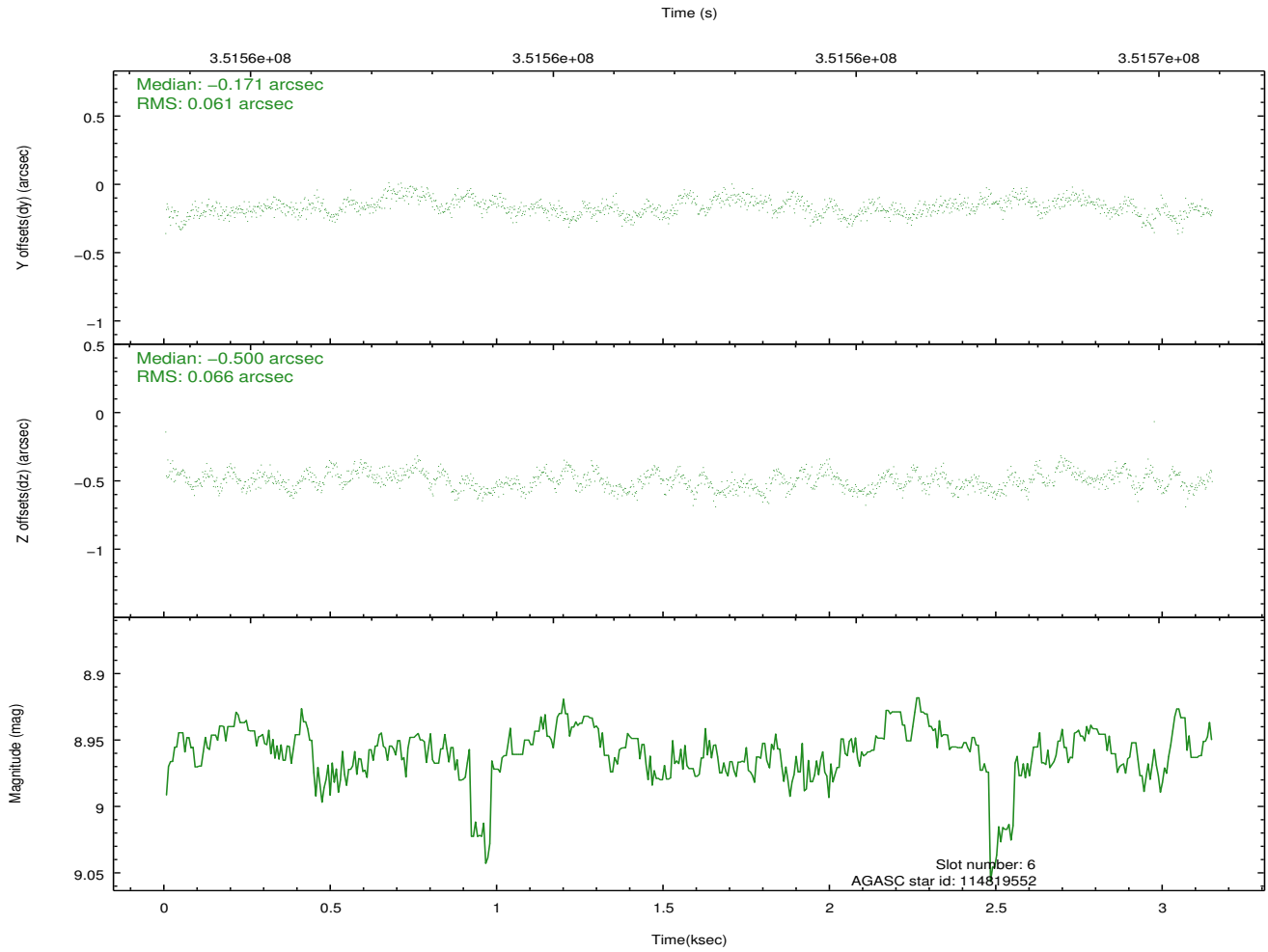
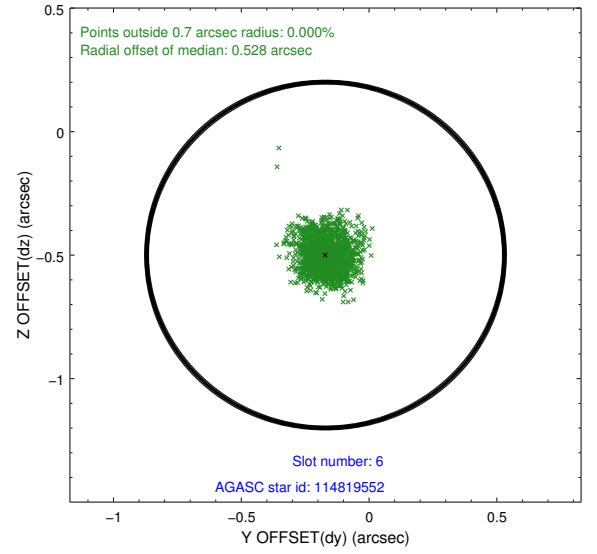
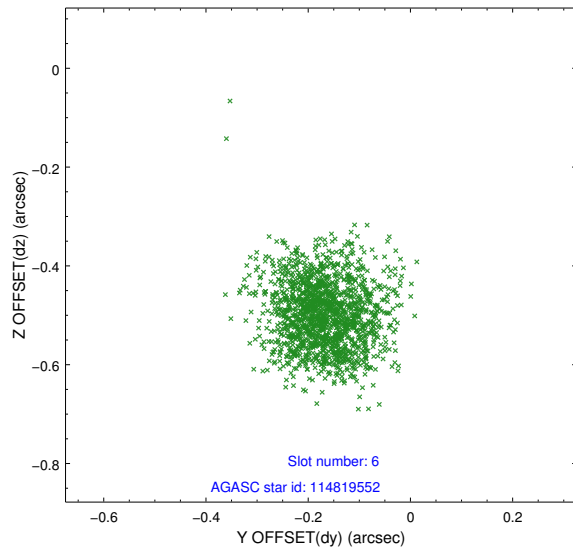
2.4.2 Slot 4



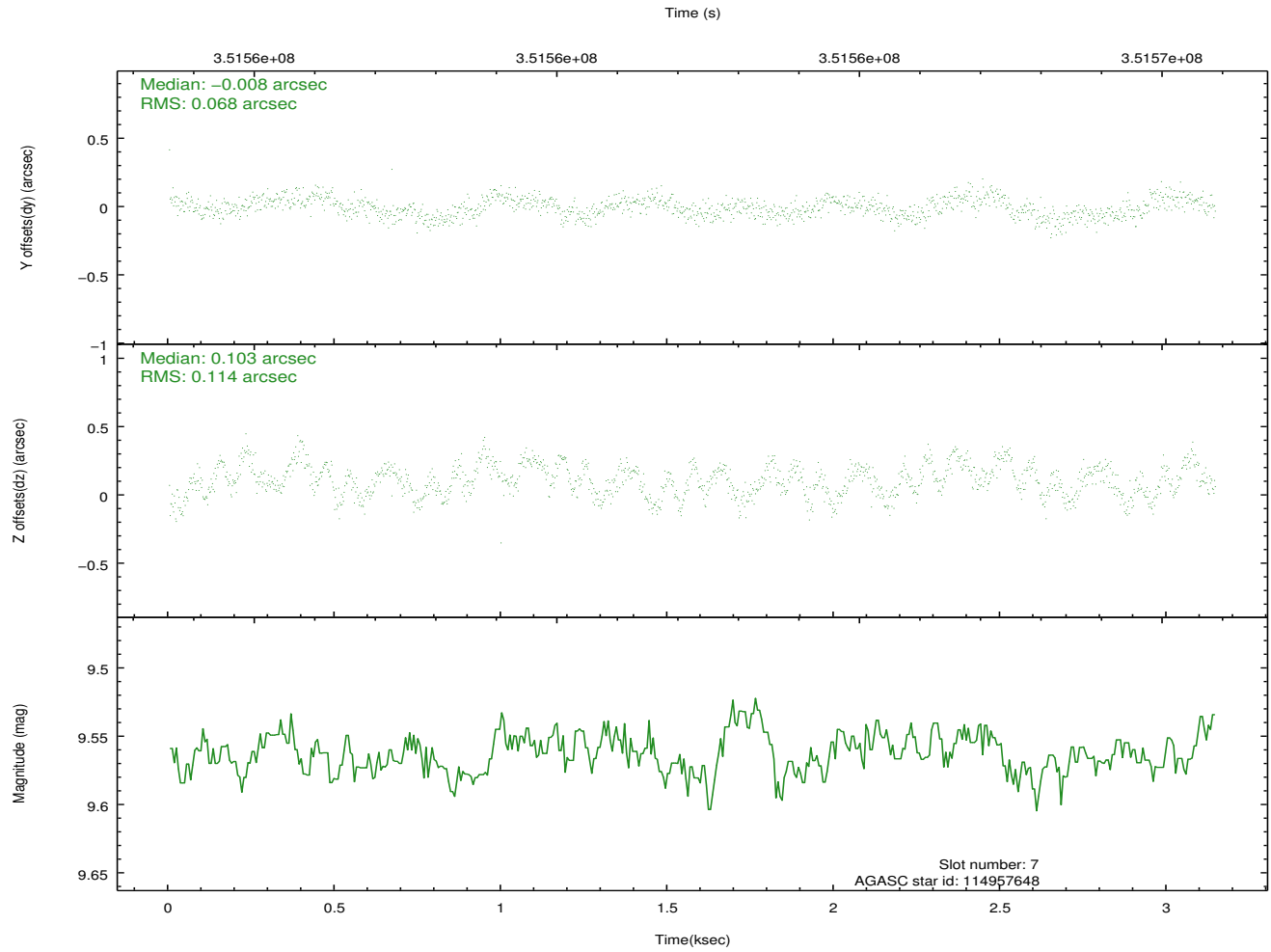
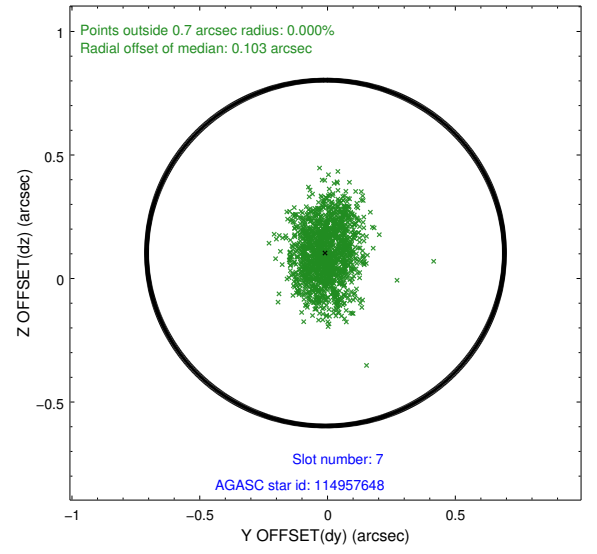
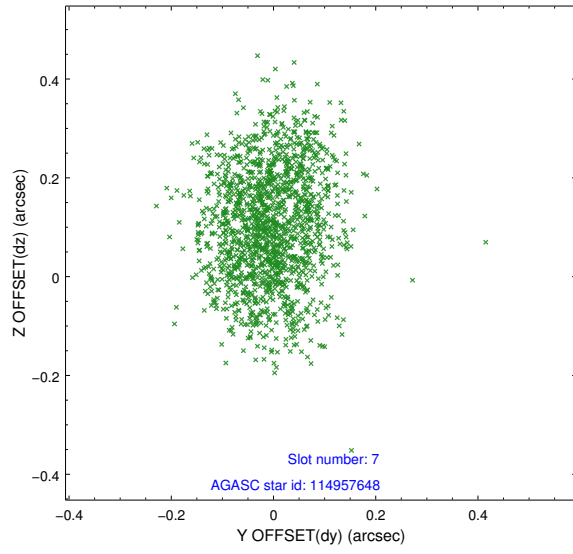
2.4.3 Slot 5



2.4.4 Slot 6

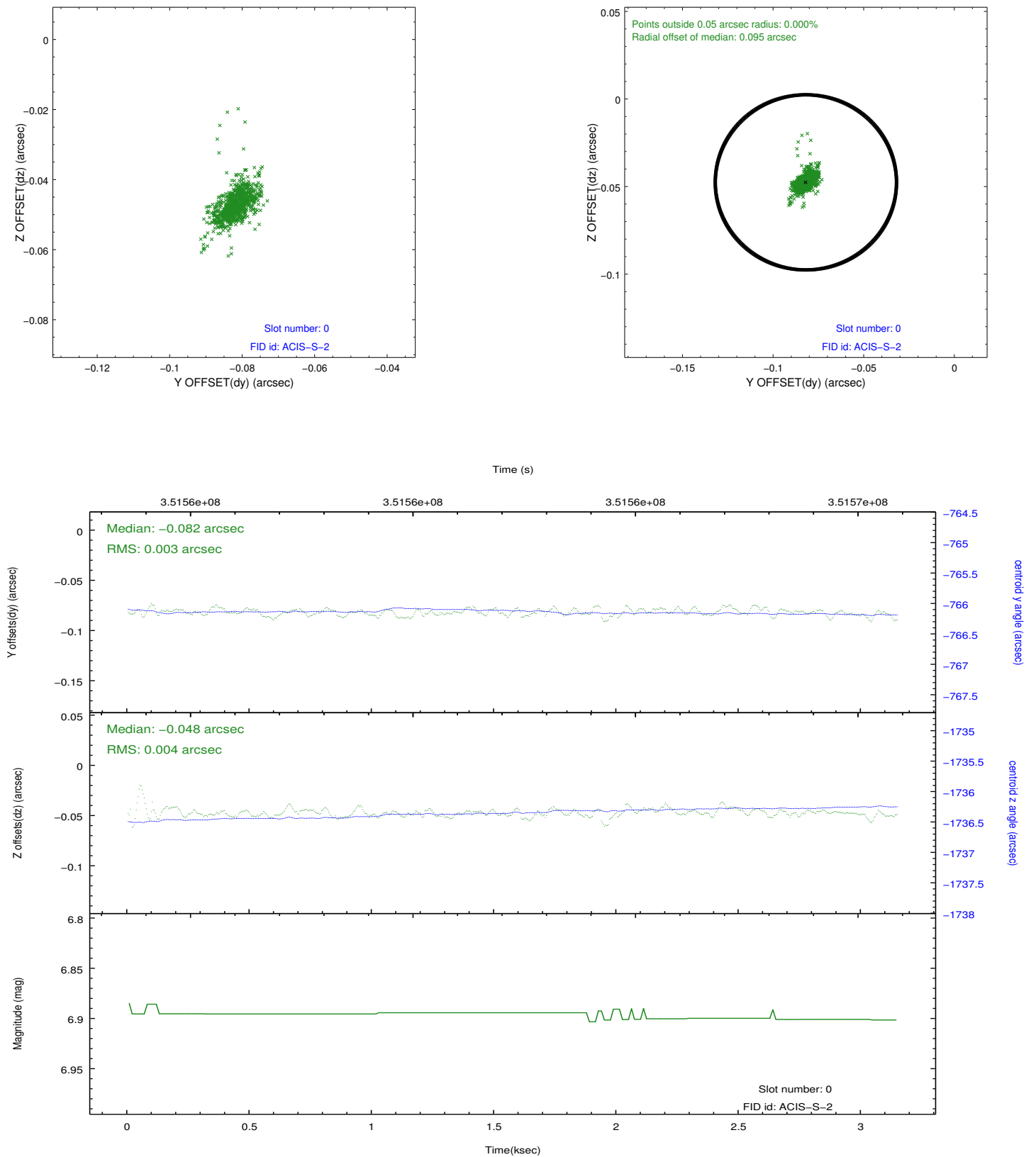


2.4.5 Slot 7

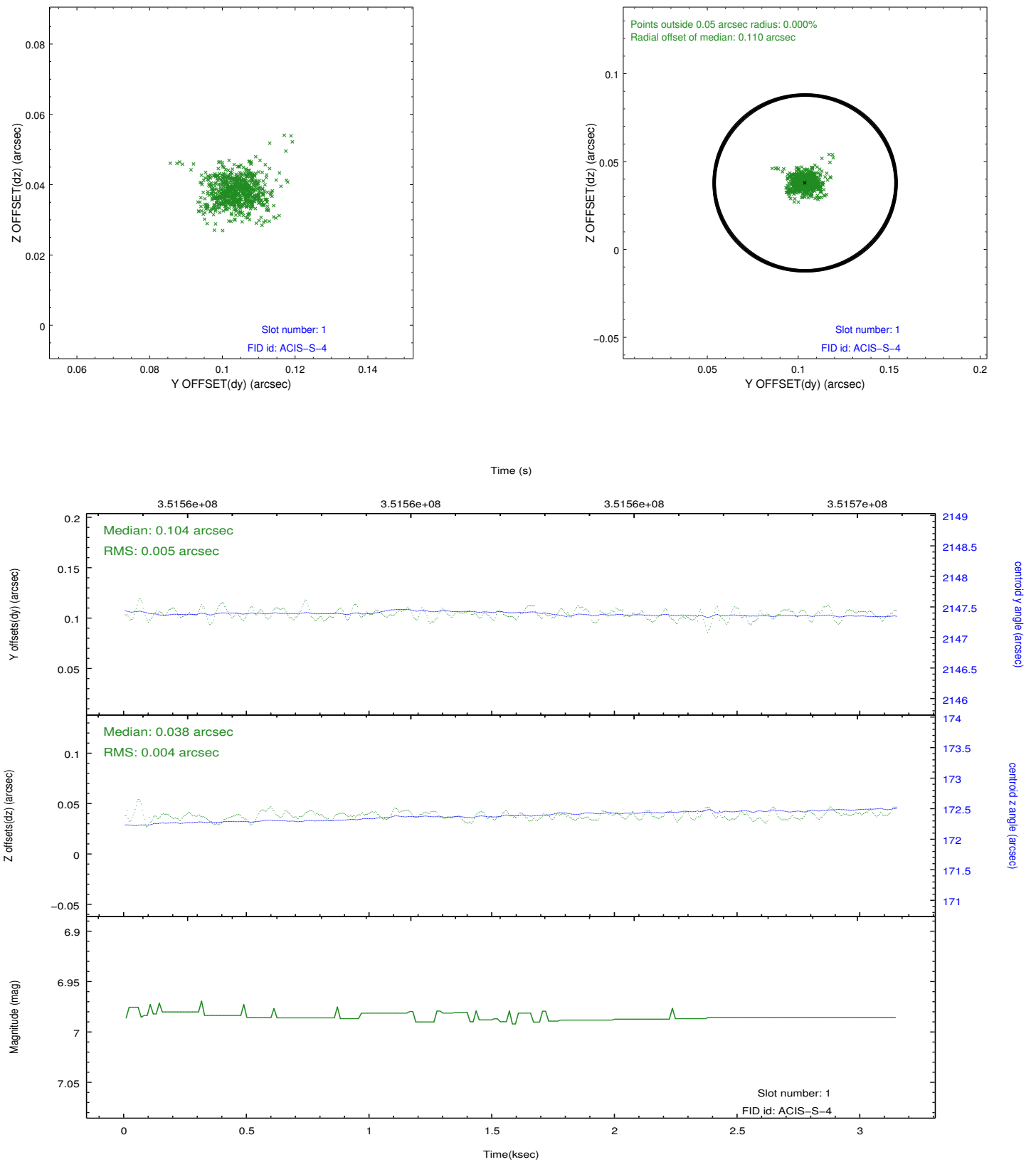


2.5 FID Slots

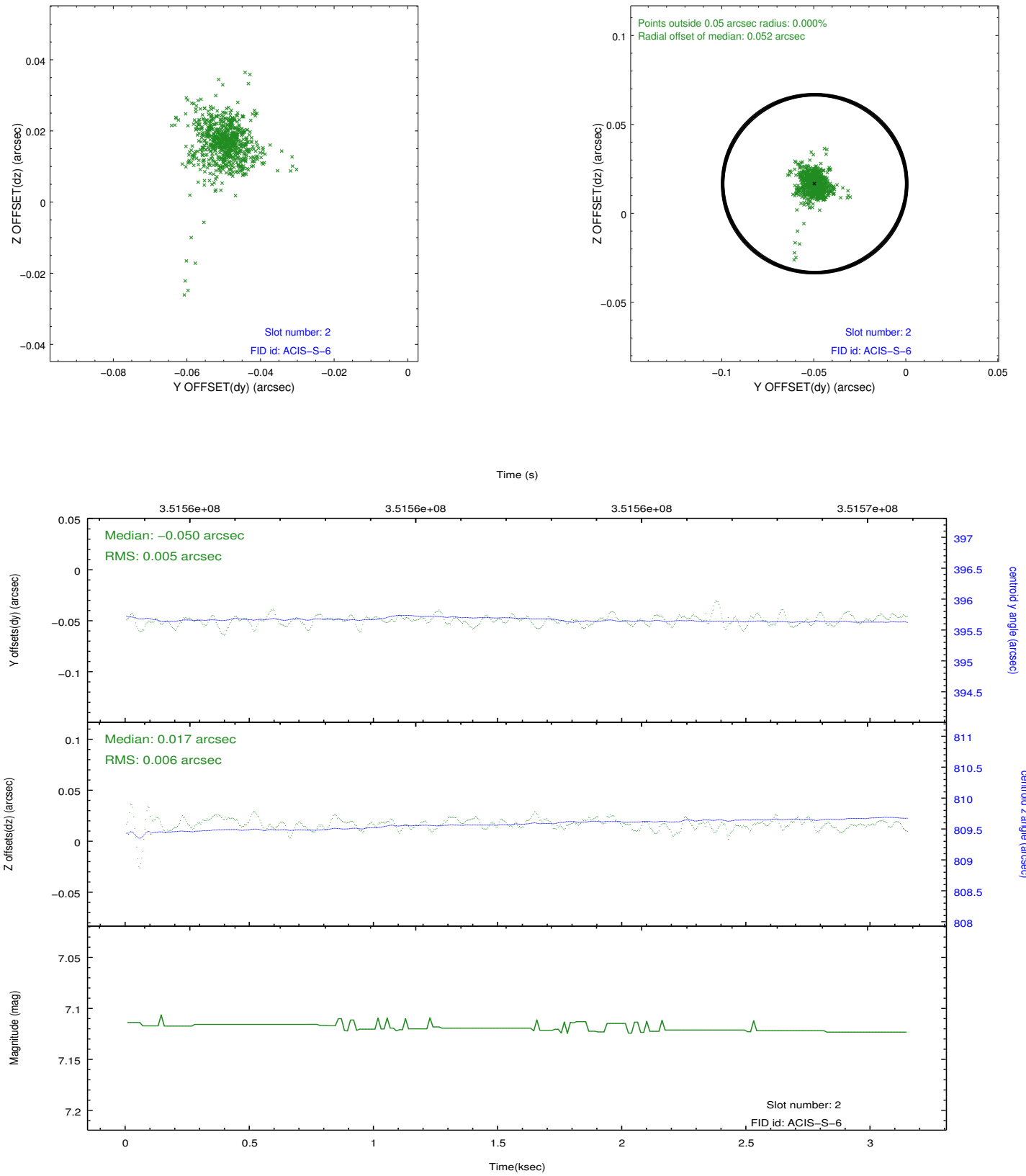
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.03360001

A.2 Comments