

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16056 - L2 Version 1
Chandra X-Ray Center

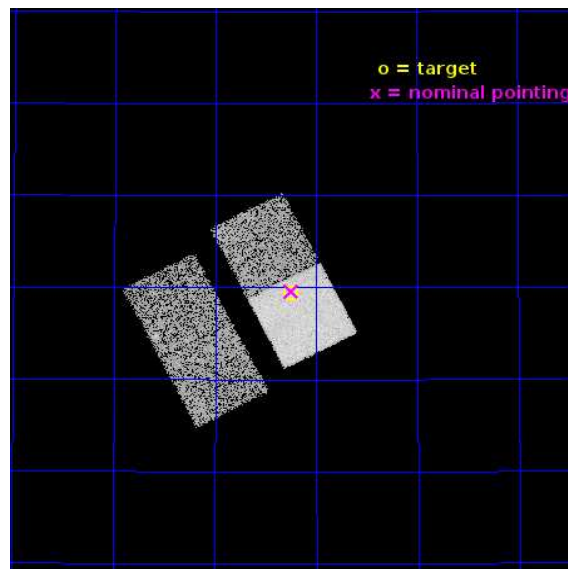
L2 Processing Date : Aug 16 2014

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

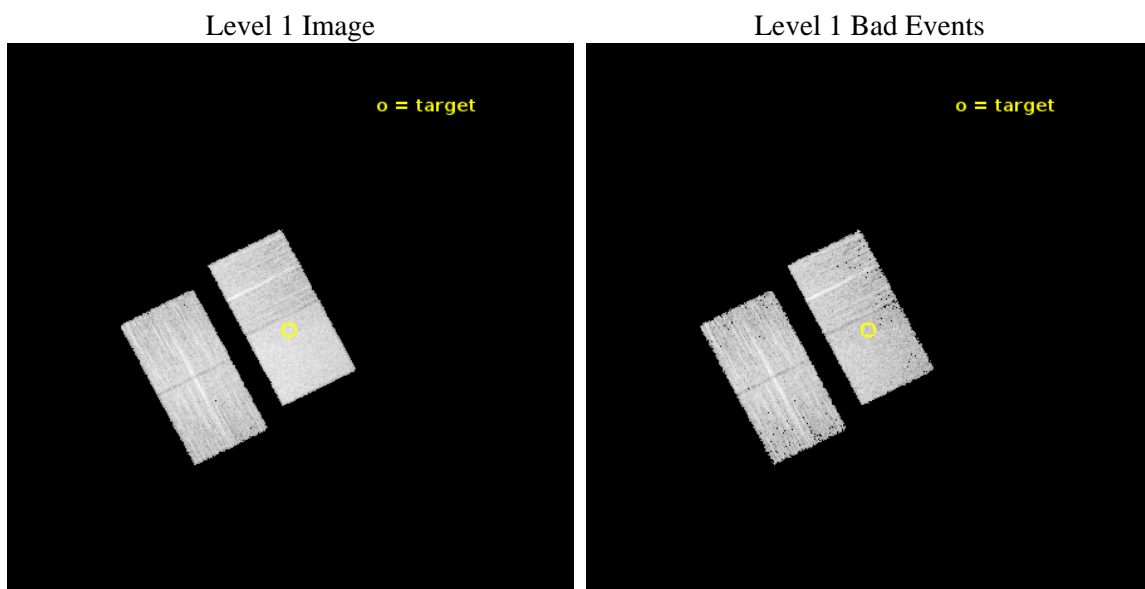
seq_num	702950	Sequence number
obs_id	16056	Observation id
title	Continuing the Chandra 3CR Snapshot Survey: 23 Radio Sources with 0.5	Proposal title
observer	Dr. Francesco Massaro	Principal investigator
object	3C169.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	102.81375	Observer's specified target RA [deg]
dec_targ	45.157278	Observer's specified target Dec [deg]
ra_nom	102.81161548337	Nominal RA [deg]
dec_nom	45.159976528477	Nominal Dec [deg]
roll_nom	62.782700688622	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12077.600092888	Sum of GTIs [s]
livetime	11919.797356274	Livetime [s]
ontime2	12077.600092888	Sum of GTIs [s]
ontime3	12077.600092888	Sum of GTIs [s]
ontime6	12077.600092888	Sum of GTIs [s]
ontime7	12077.600092888	Sum of GTIs [s]
l2events	52078	Number of level 2 events



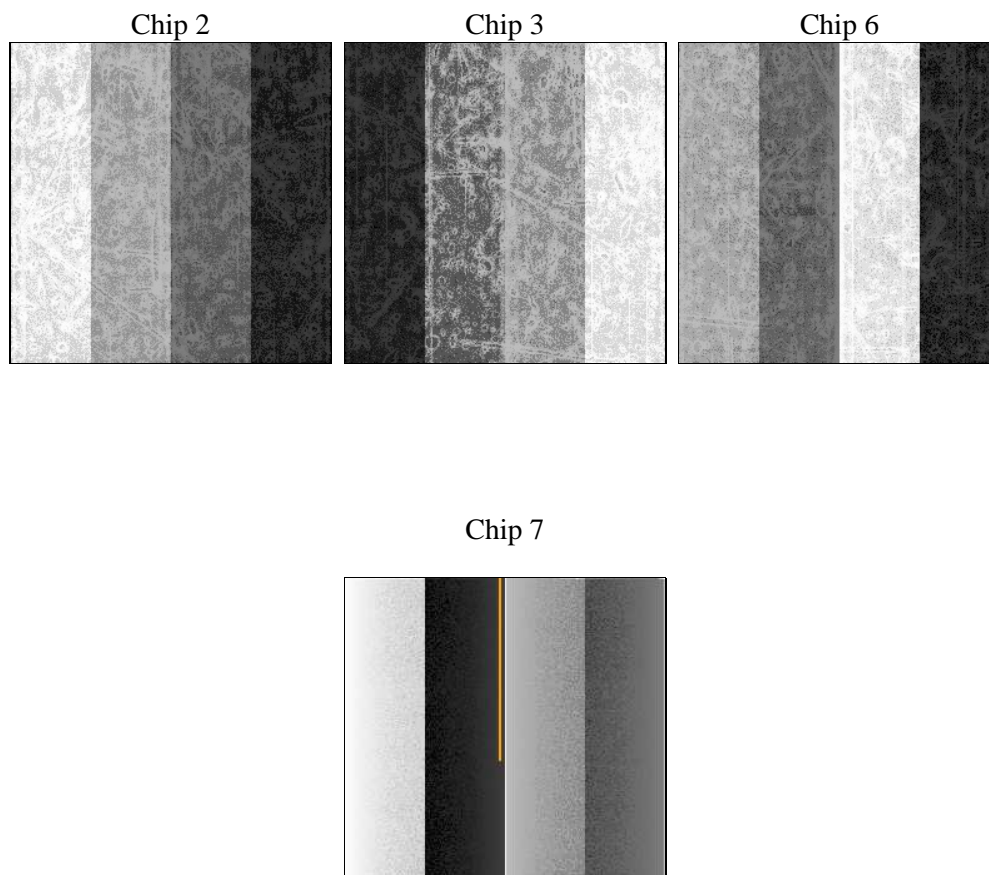
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	12077.600092888	Sum of GTIs [s]
caldsver	4.6.2	 	ontime2	12077.600092888	Sum of GTIs [s]
date	2014-08-16T19:03:49	Date and time of file creation	ontime3	12077.600092888	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	12077.600092888	Sum of GTIs [s]
			ontime7	12077.600092888	Sum of GTIs [s]
			l1events	255394	Number of level 1 events

2.1.4 Events

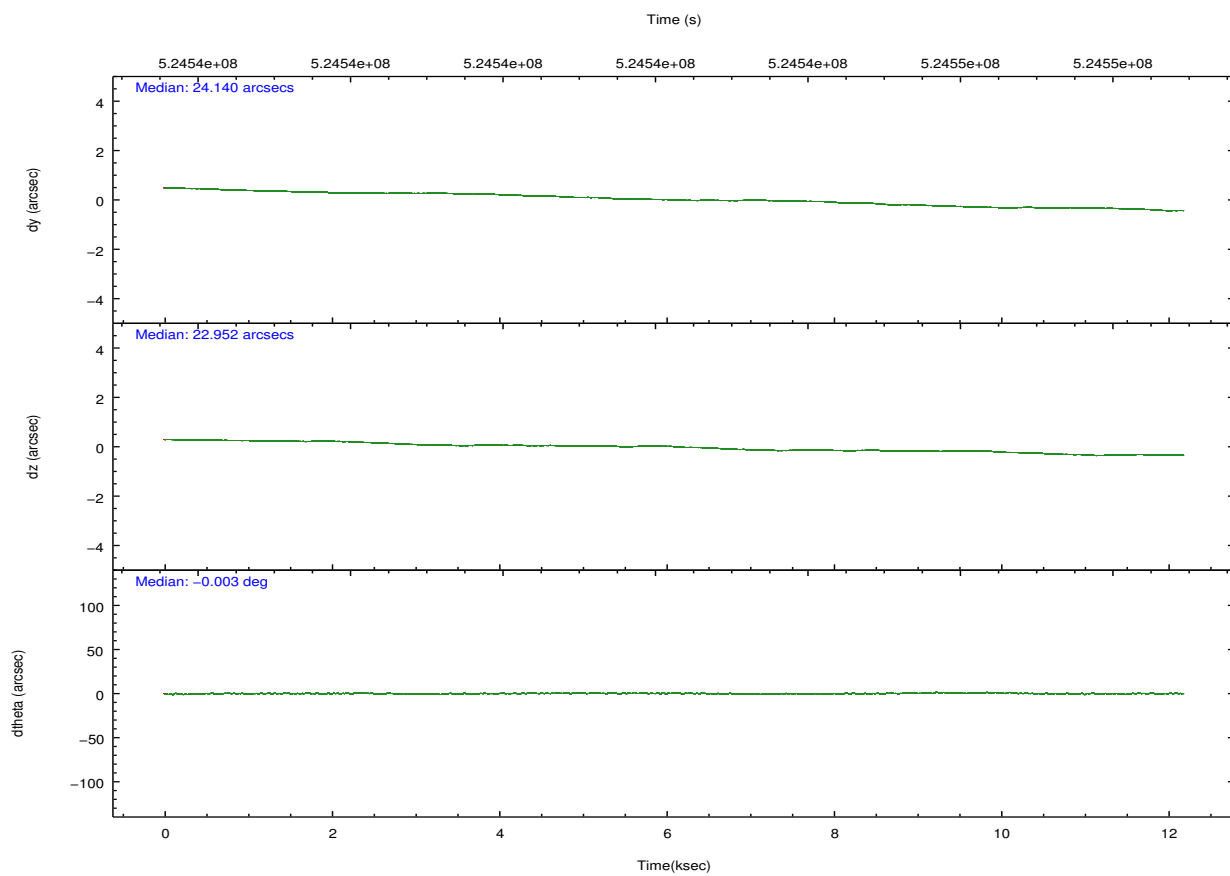
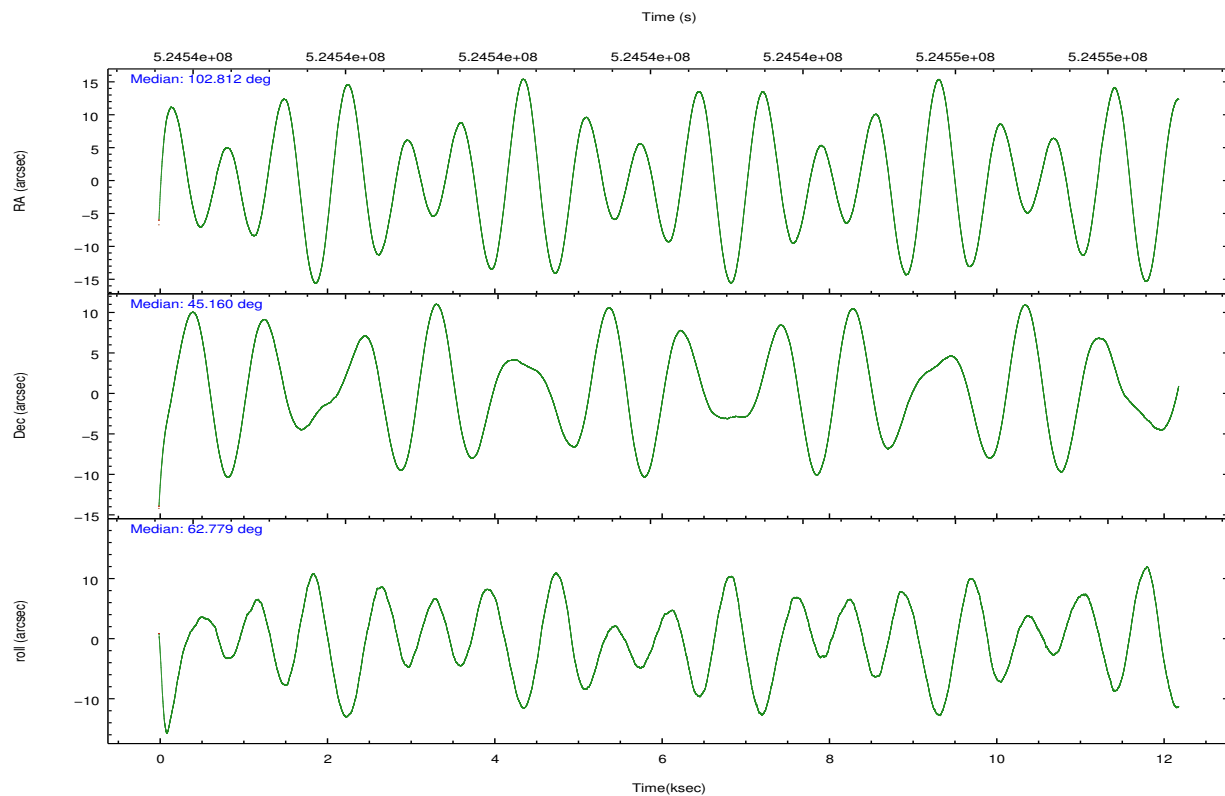
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	59744	55880	58806	80964
rejected events	52834	49351	51632	45930
rejected %	88%	88%	87%	56%

	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2513	2317	2345	2991
	4%	4%	3%	3%
grade 1 events	36	41	34	108
	0%	0%	0%	0%
grade 2 events	1690	1458	1626	7220
	2%	2%	2%	8%
grade 3 events	666	683	805	2898
	1%	1%	1%	3%
grade 4 events	661	707	698	2940
	1%	1%	1%	3%
grade 5 events	2515	3157	3076	8246
	4%	5%	5%	10%
grade 6 events	1392	1368	1701	19009
	2%	2%	2%	23%
grade 7 events	50271	46149	48521	37552
	84%	82%	82%	46%

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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	102.813988	102.8116154833673	CCD I2 on	O1	Y
[deg] Pointing Dec	45.132602	45.15997652847701	CCD I3 on	O2	Y
[deg] Pointing Roll	62.624383	62.78270068862197	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	524536335.184000	524535414.15149	CCD S5 on	N	N
Observation start date	2014-08-16T00:31:08	2014-08-16T00:16:54	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	524548335.184000	524548902.63974	On-chip summing requested	N	N
Observation end date	2014-08-16T03:51:08	2014-08-16T04:01:42	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect

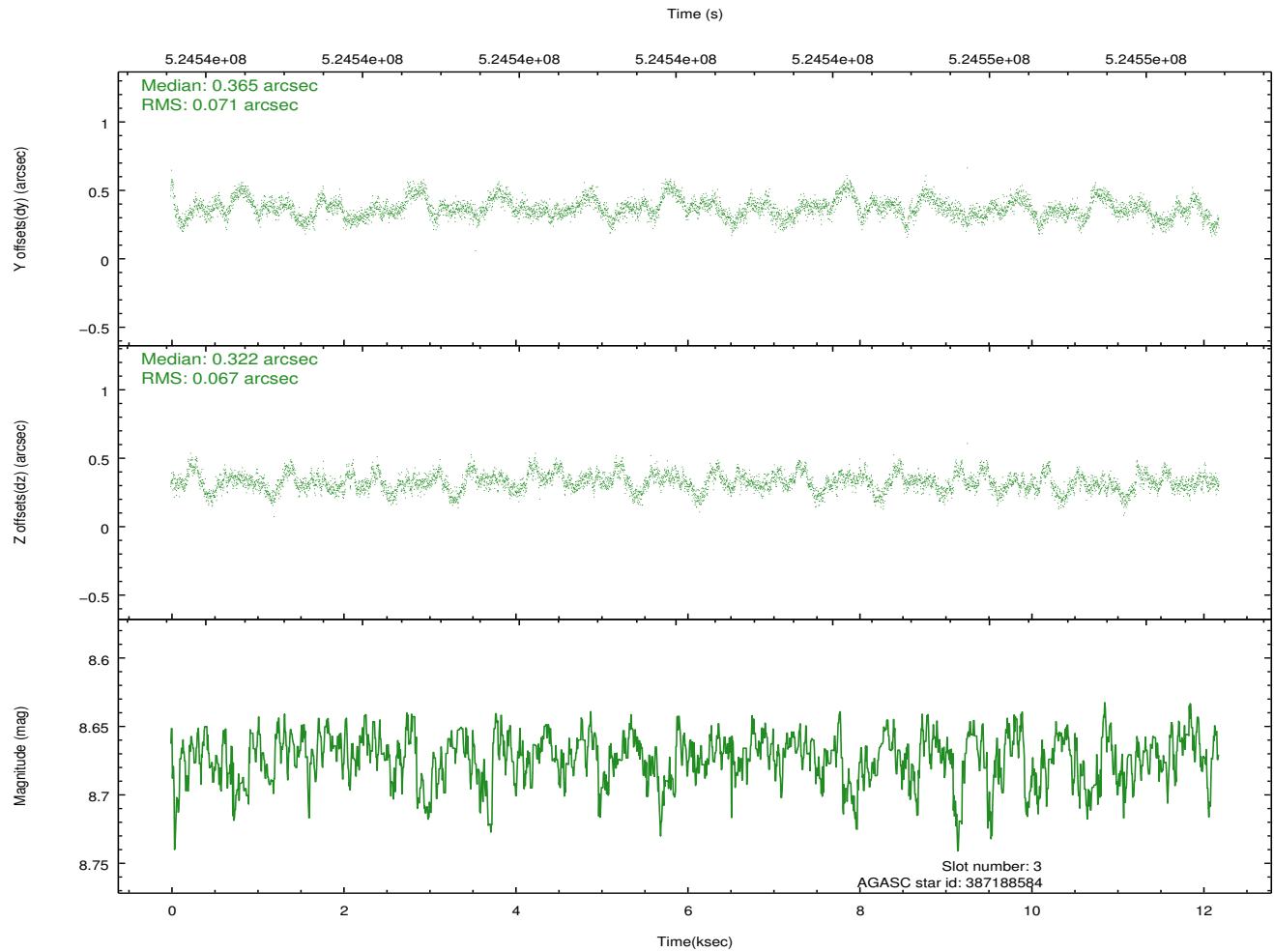
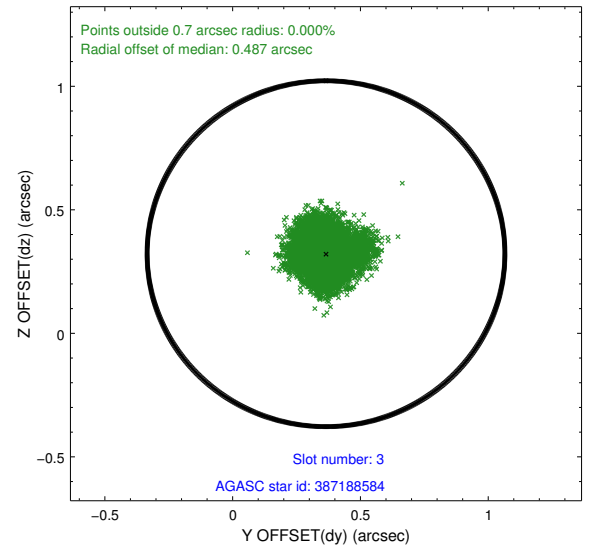
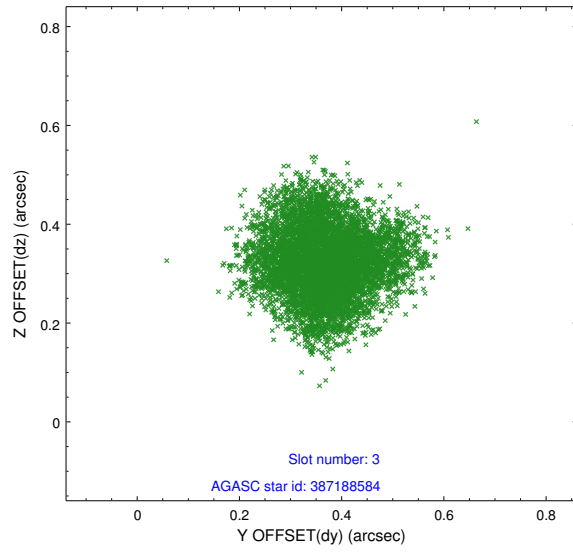


Slot Statistics

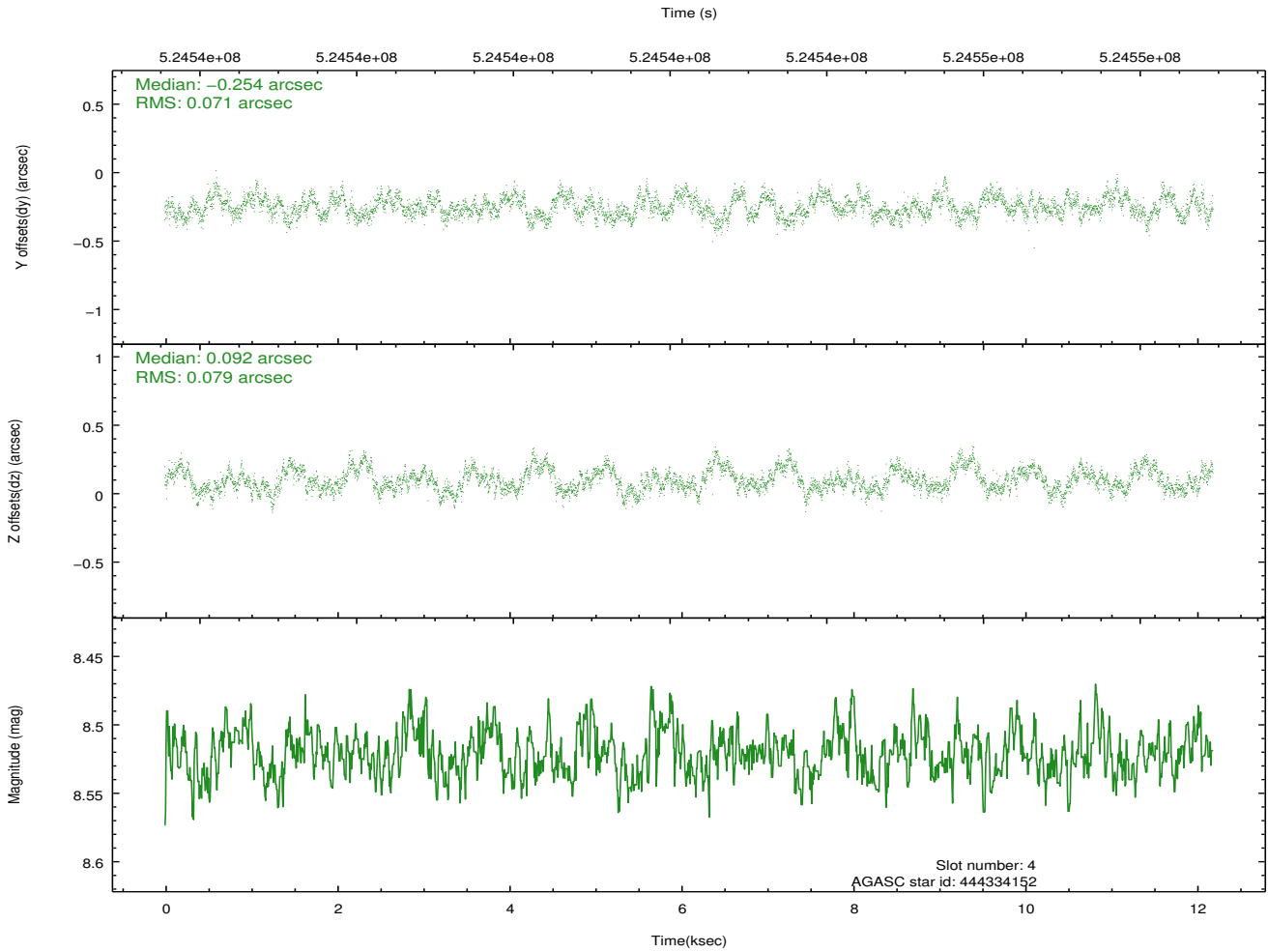
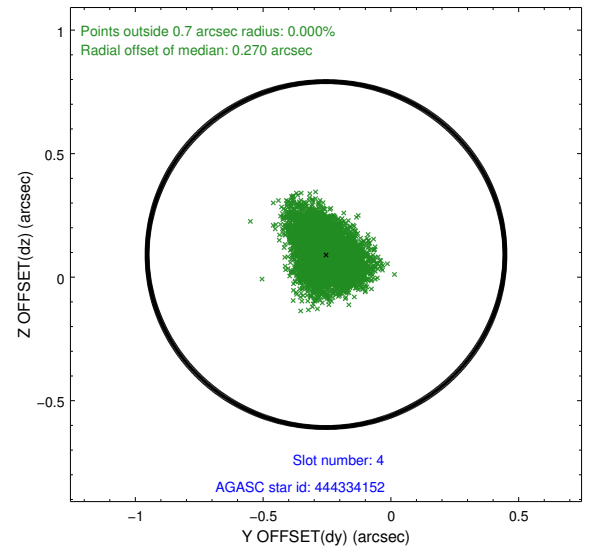
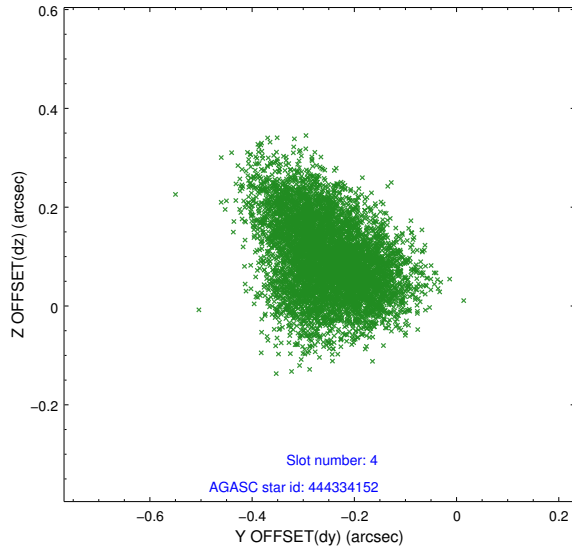
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	2974	-0.132	-0.025	0.015	0.023	0.000000	0.000000	-777.55	-1744.47
1	FID	ACIS-S-4	7.00	2974	0.279	0.070	0.010	0.018	0.000000	0.000000	2135.99	163.62
2	FID	ACIS-S-5	7.05	2974	-0.179	-0.037	0.011	0.019	0.000000	0.000000	-1829.88	157.74
3	GUIDE	387188584	8.67	5945	0.365	0.322	0.107	0.164	102.596455	44.572436	-2045.89	-431.23
4	GUIDE	444334152	8.52	5945	-0.254	0.092	0.114	0.180	103.342060	45.591356	2081.91	-419.65
5	GUIDE	444343864	9.65	5934	-0.015	0.188	0.258	0.384	103.563495	45.414608	1780.81	-1211.00
6	GUIDE	444344712	8.60	5945	-0.183	-0.340	0.123	0.186	102.473820	45.713793	1465.24	1721.50
7	GUIDE	444351160	9.56	5941	0.073	-0.283	0.113	0.181	101.881376	45.062555	-1301.72	1996.23

2.4 Star Slots

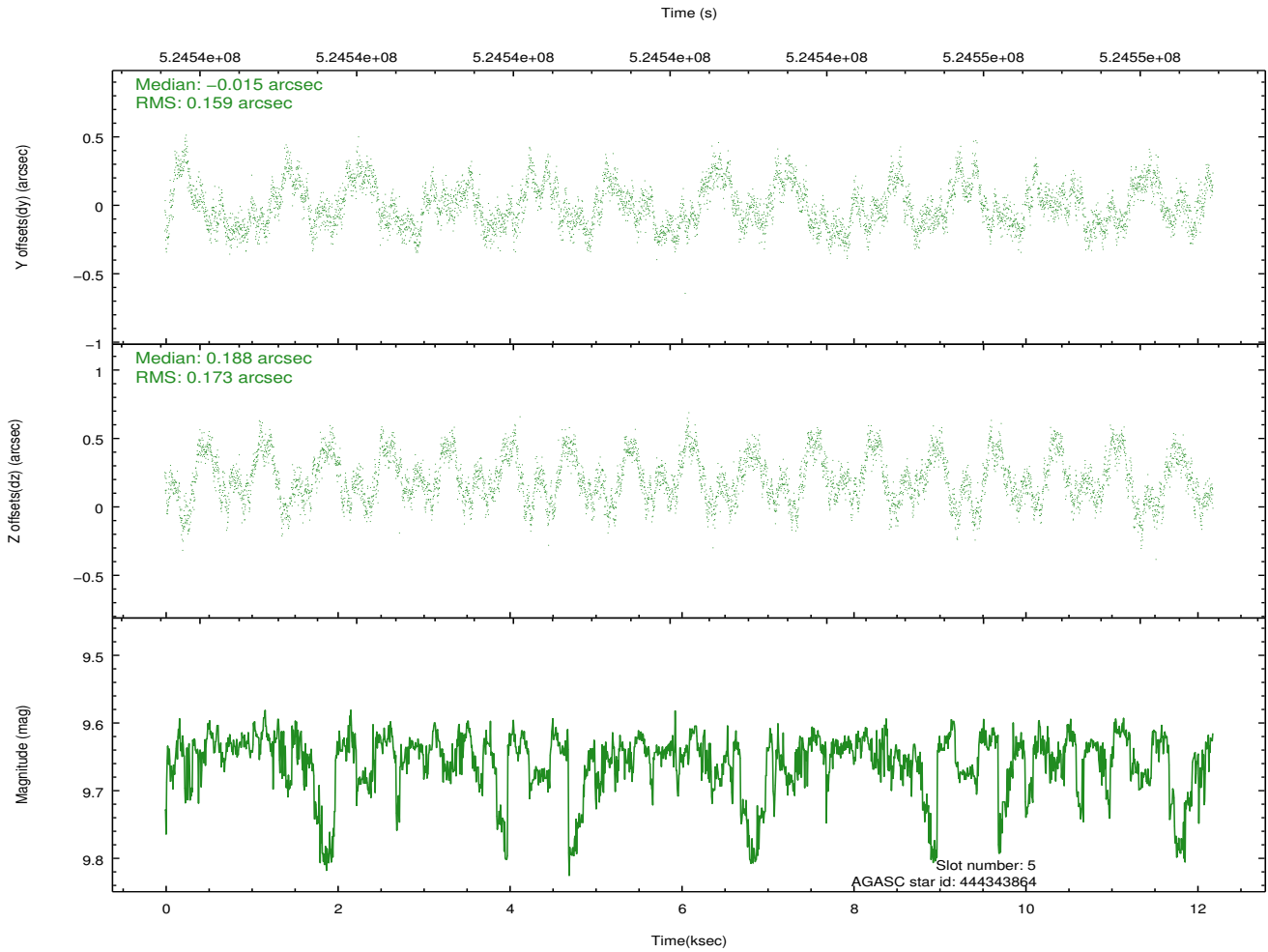
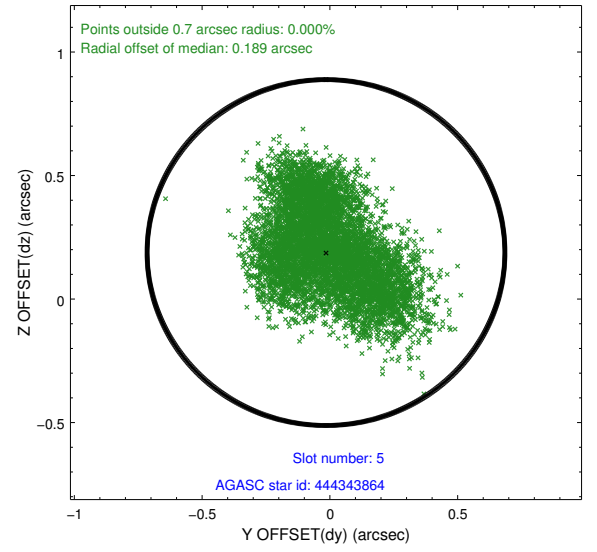
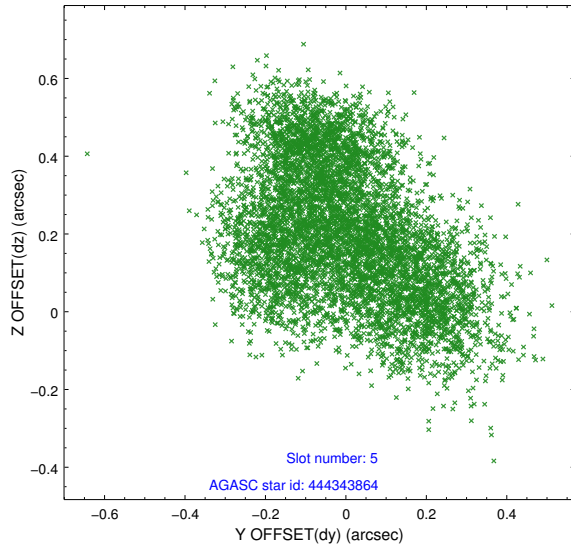
2.4.1 Slot 3



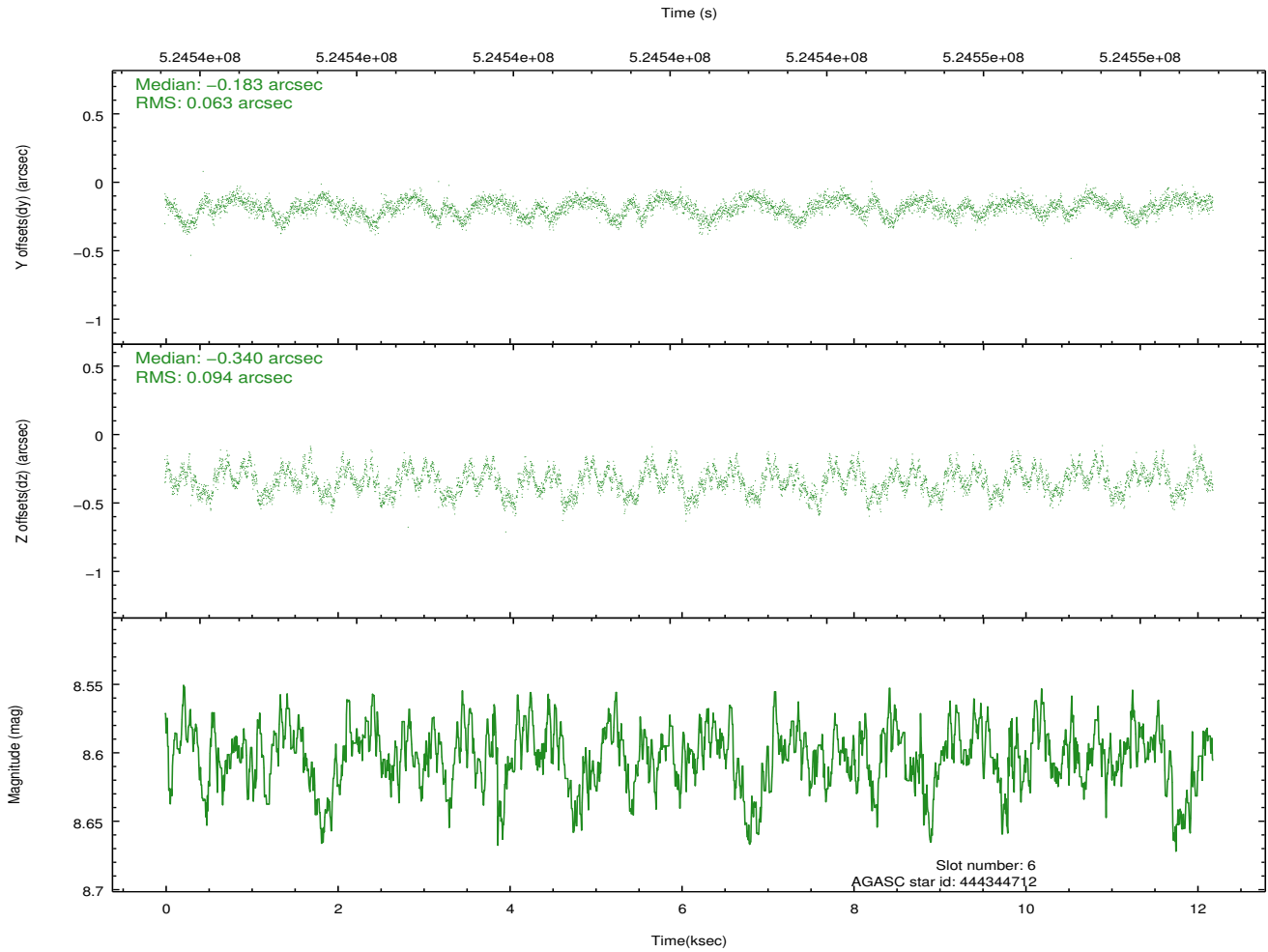
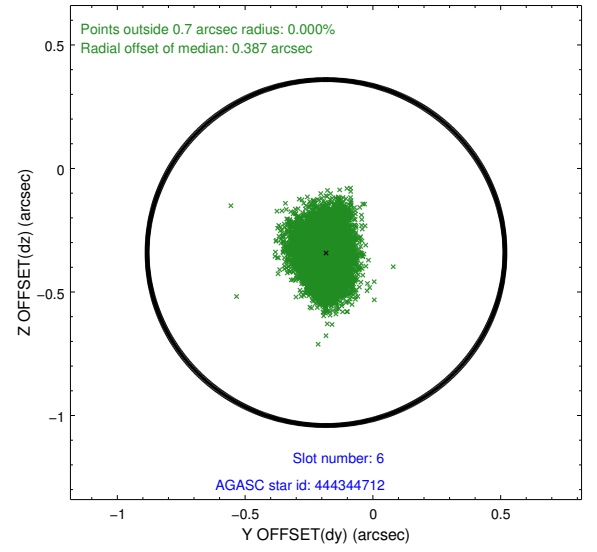
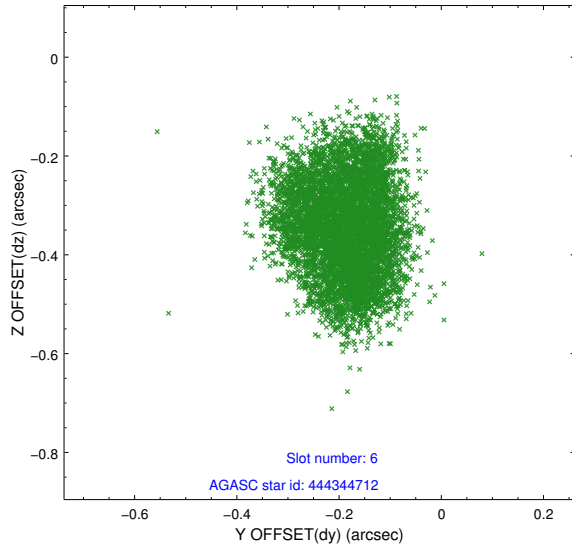
2.4.2 Slot 4



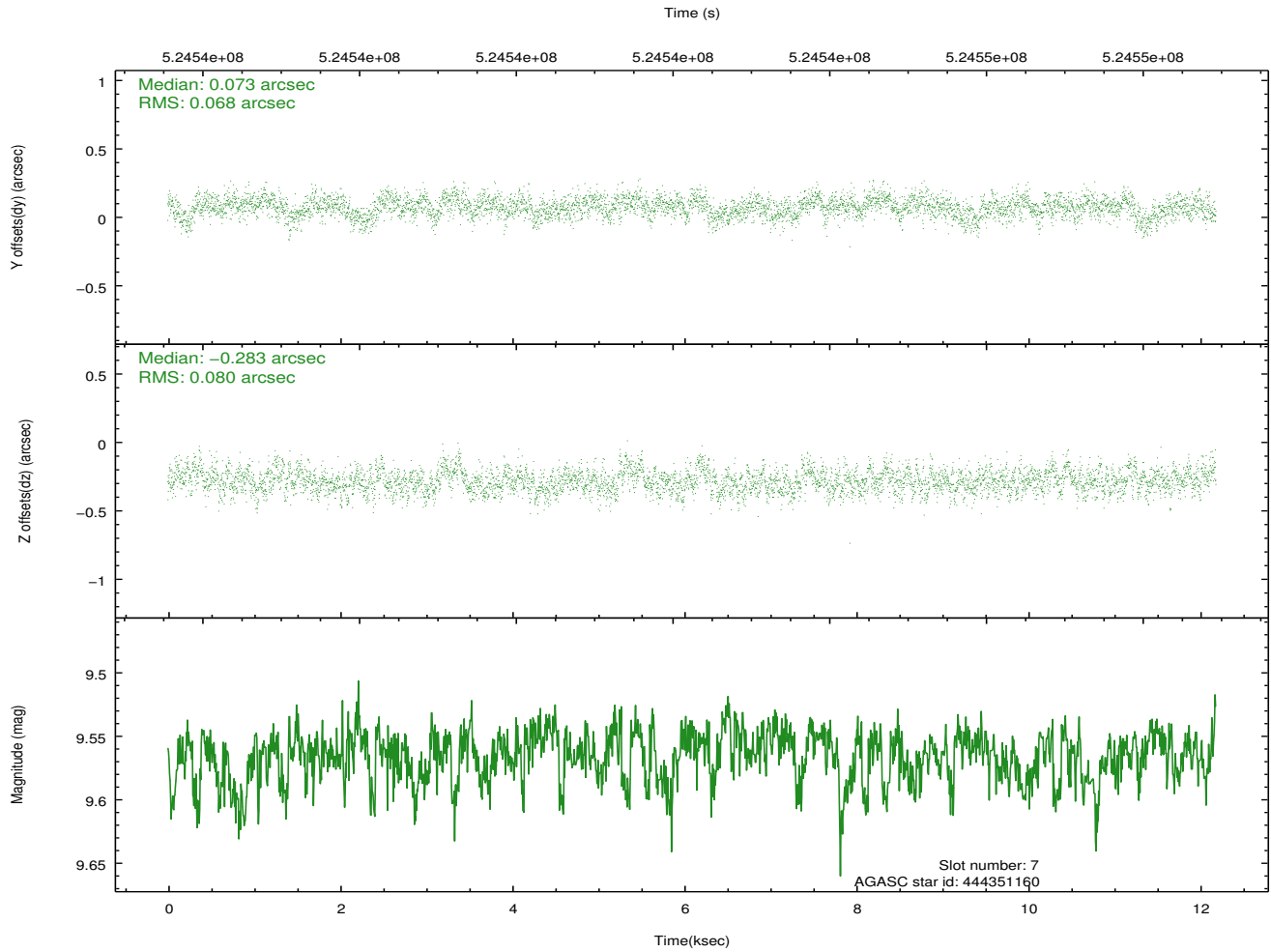
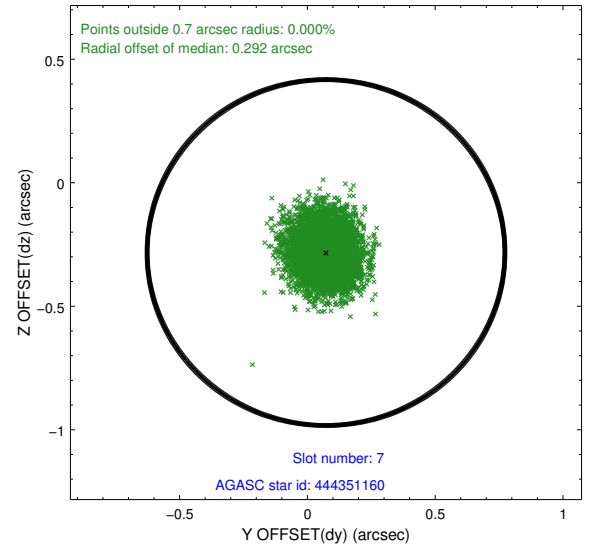
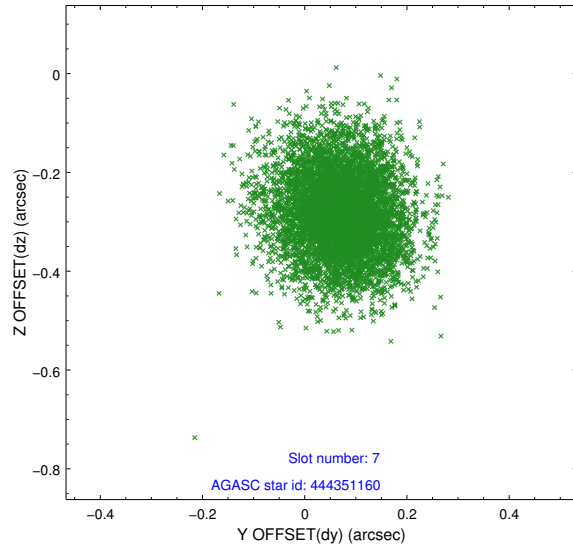
2.4.3 Slot 5



2.4.4 Slot 6

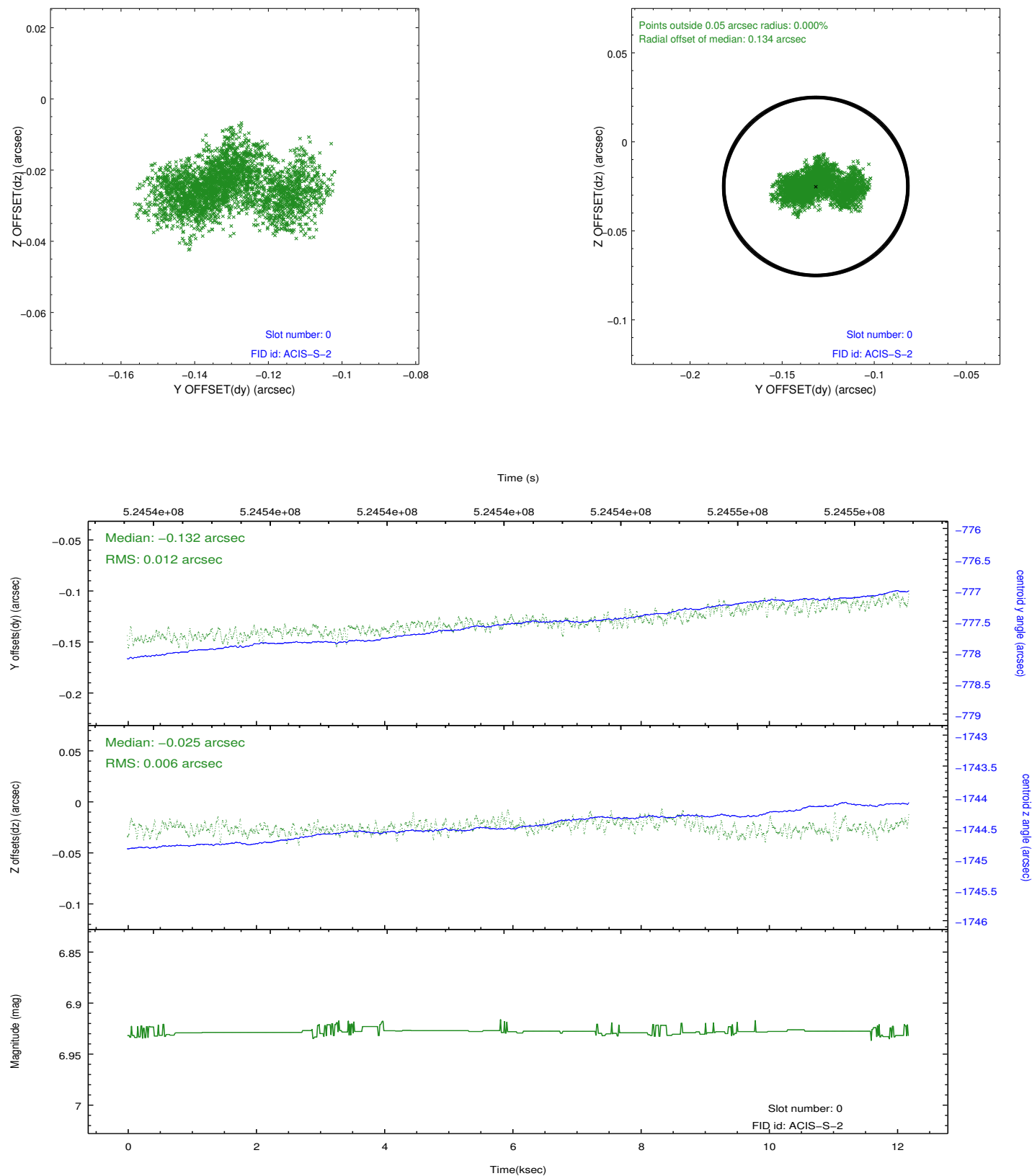


2.4.5 Slot 7

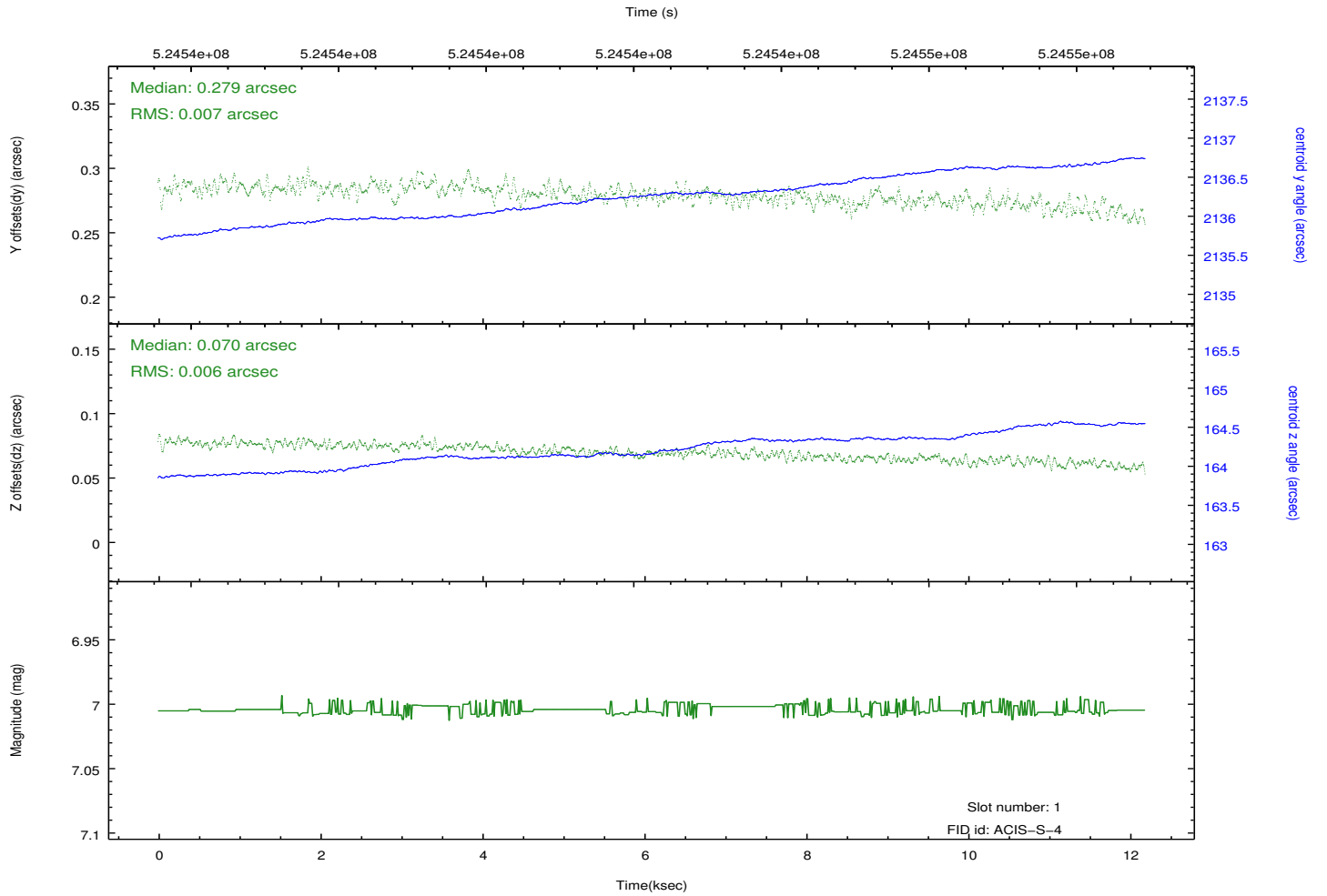
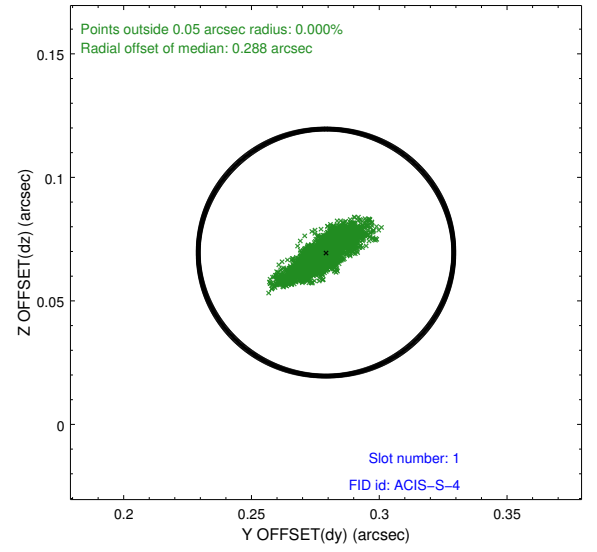
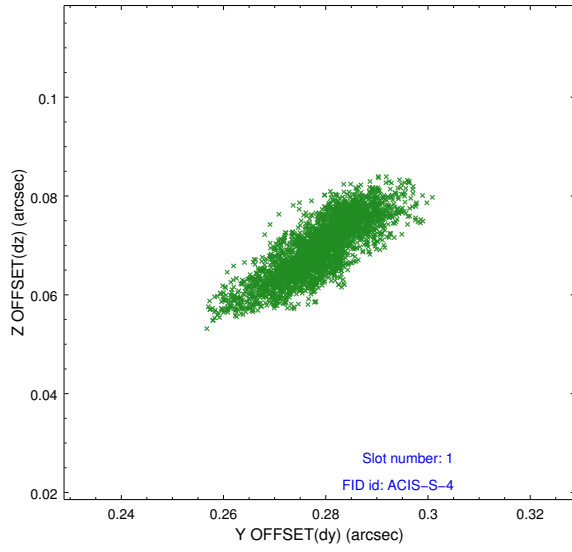


2.5 FID Slots

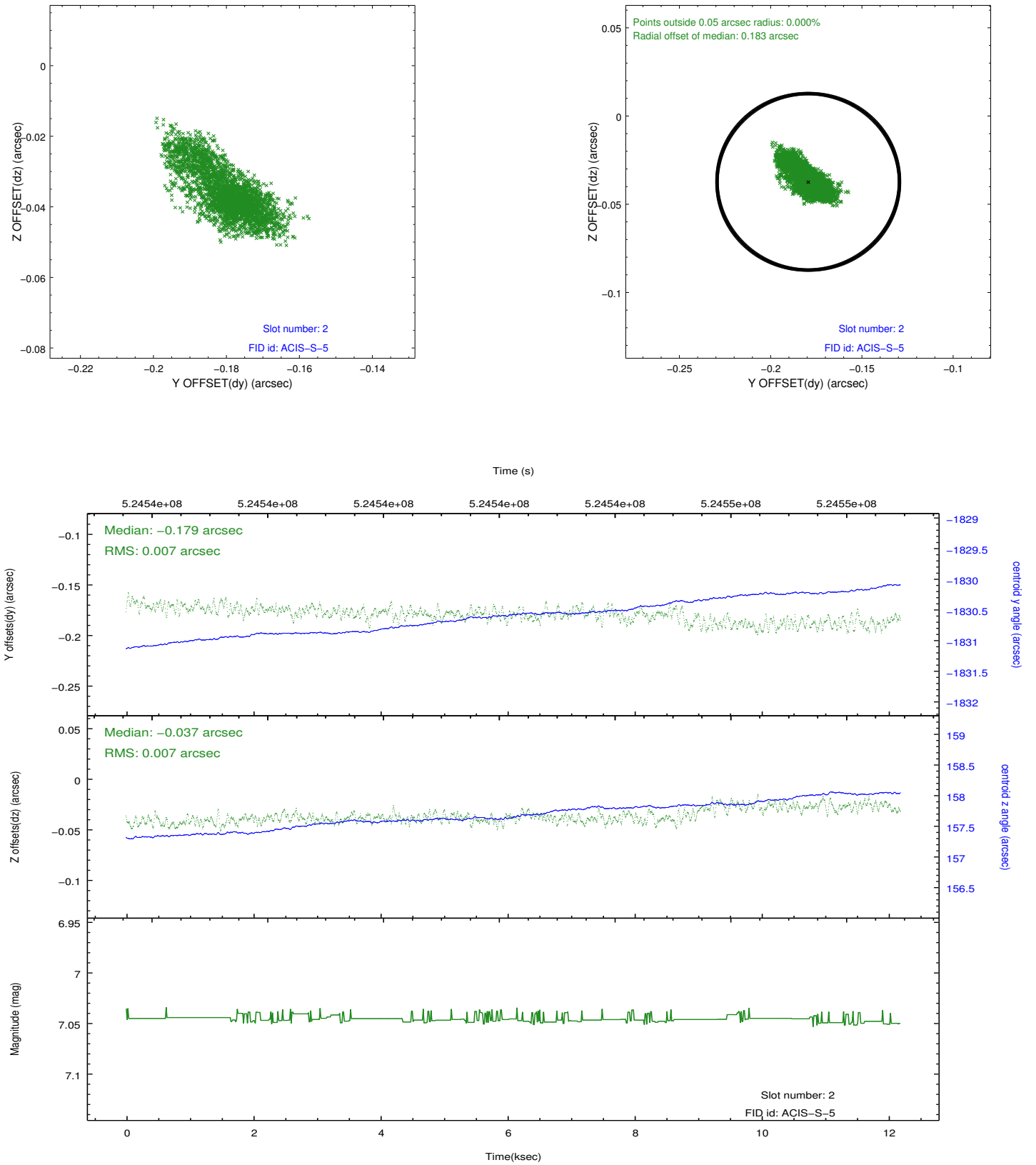
2.5.1 Slot 0



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)	2014.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.077600092888

A.2 Comments