

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17182 - L2 Version 1
Chandra X-Ray Center

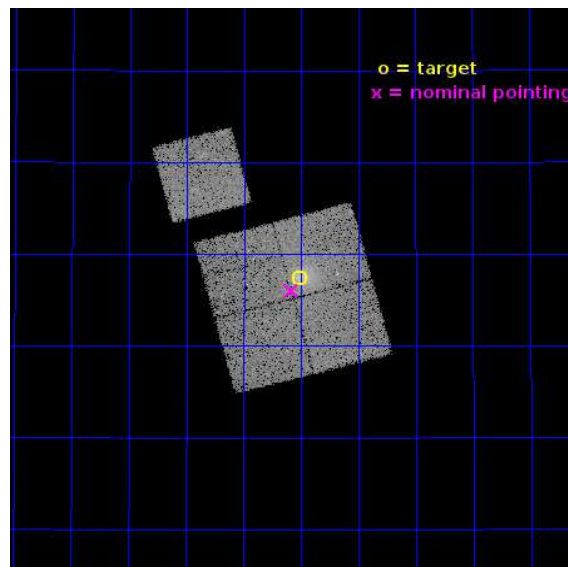
L2 Processing Date : Dec 2 2015

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

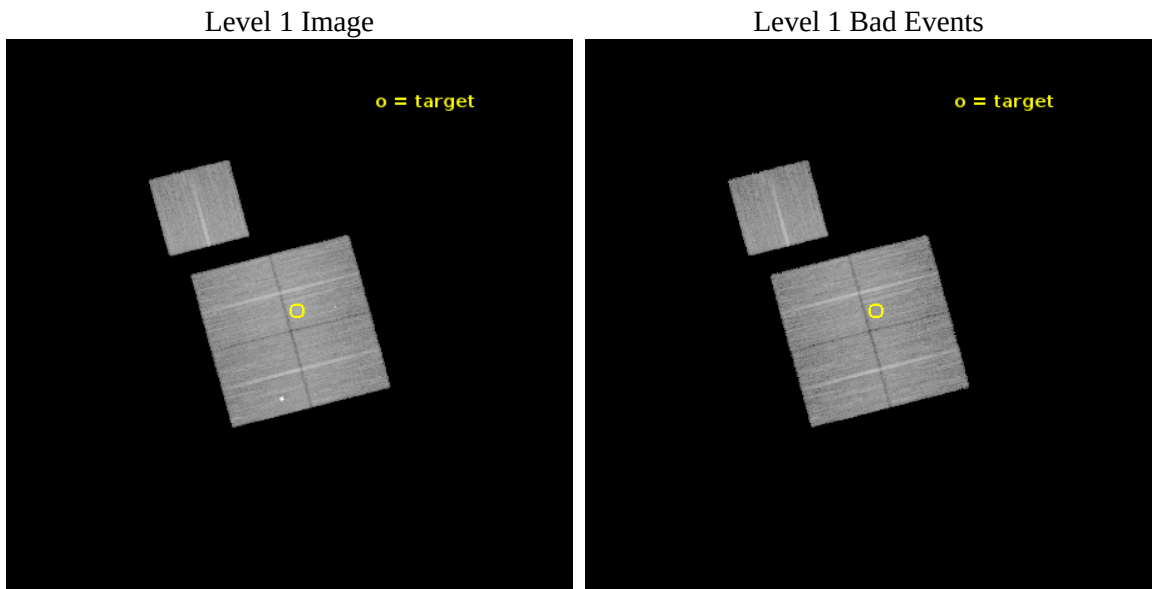
seq_num	801465	Sequence number
obs_id	17182	Observation id
title	UNMASKING GALAXY CLUSTERS MASQUERADING AS QUASARS	Proposal title
observer	Megan Donahue	Principal investigator
object	RXCJ170559.9+365732	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	256.502083	Observer's specified target RA [deg]
dec_targ	36.957917	Observer's specified target Dec [deg]
ra_nom	256.52109234591	Nominal RA [deg]
dec_nom	36.933925452164	Nominal Dec [deg]
roll_nom	345.19726865063	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25071.611430287	Sum of GTIs [s]
livetime	24744.032369499	Livetime [s]
ontime0	25074.629330516	Sum of GTIs [s]
ontime1	25068.388360023	Sum of GTIs [s]
ontime2	25074.711410522	Sum of GTIs [s]
ontime3	25071.611430287	Sum of GTIs [s]
ontime6	25074.588290453	Sum of GTIs [s]
l2events	67336	Number of level 2 events



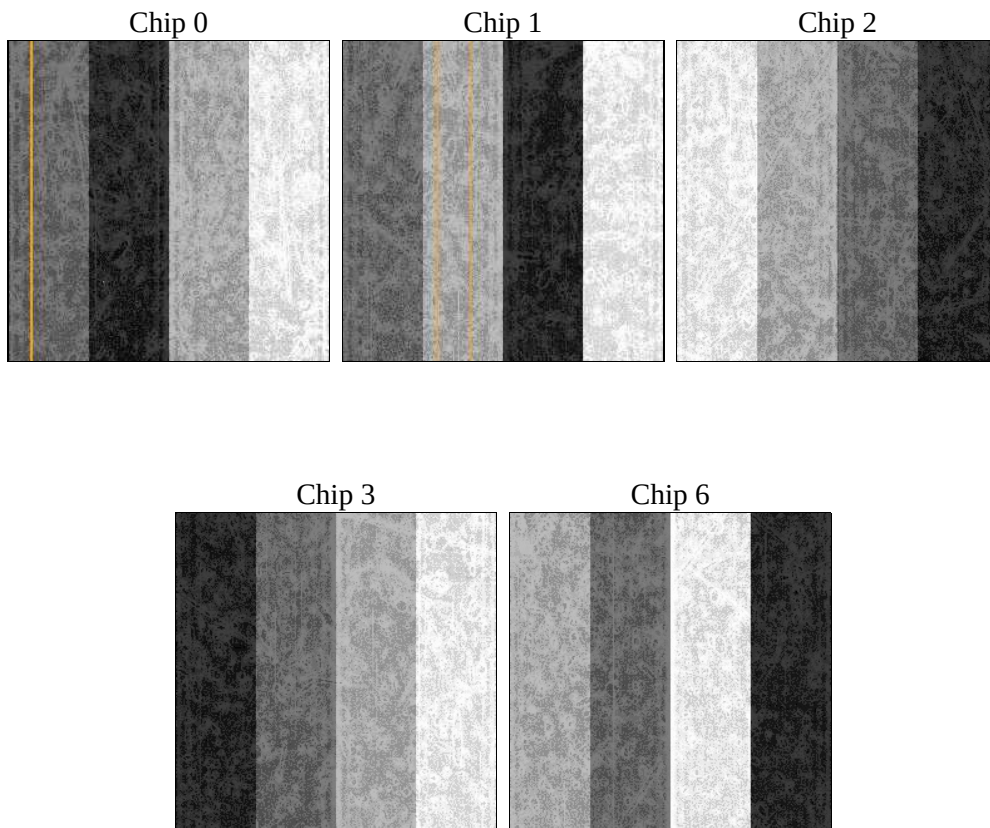
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	25071.611430287	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	25074.629330516	Sum of GTIs [s]
date	2015-12-02T13:03:58	Date and time of file creation	ontime1	25068.388360023	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	25074.711410522	Sum of GTIs [s]
			ontime3	25071.611430287	Sum of GTIs [s]
			ontime6	25074.588290453	Sum of GTIs [s]
			l1events	672516	Number of level 1 events

2.1.4 Events

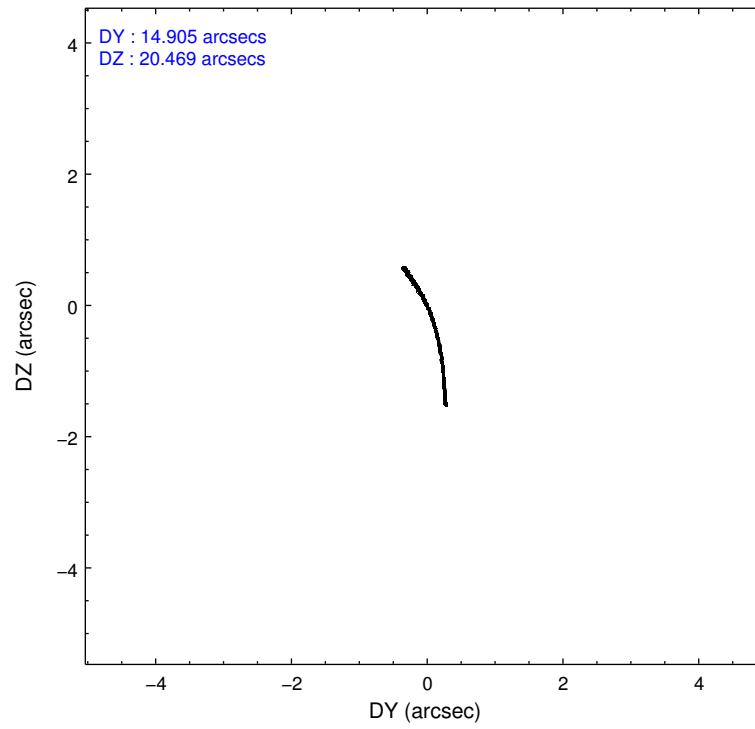
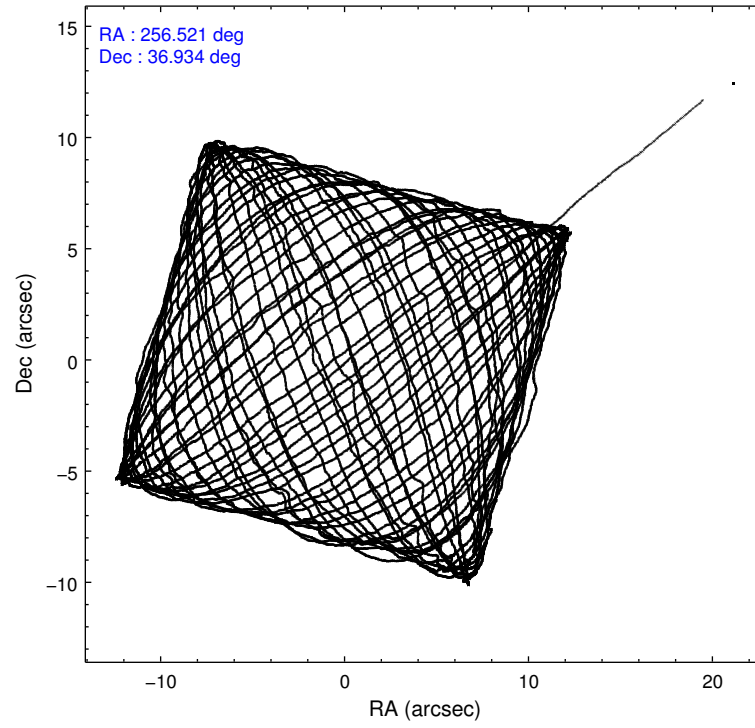
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	131740	126929	138715	140045	135087
rejected events	110178	111313	123661	120935	119580
rejected %	83%	87%	89%	86%	88%

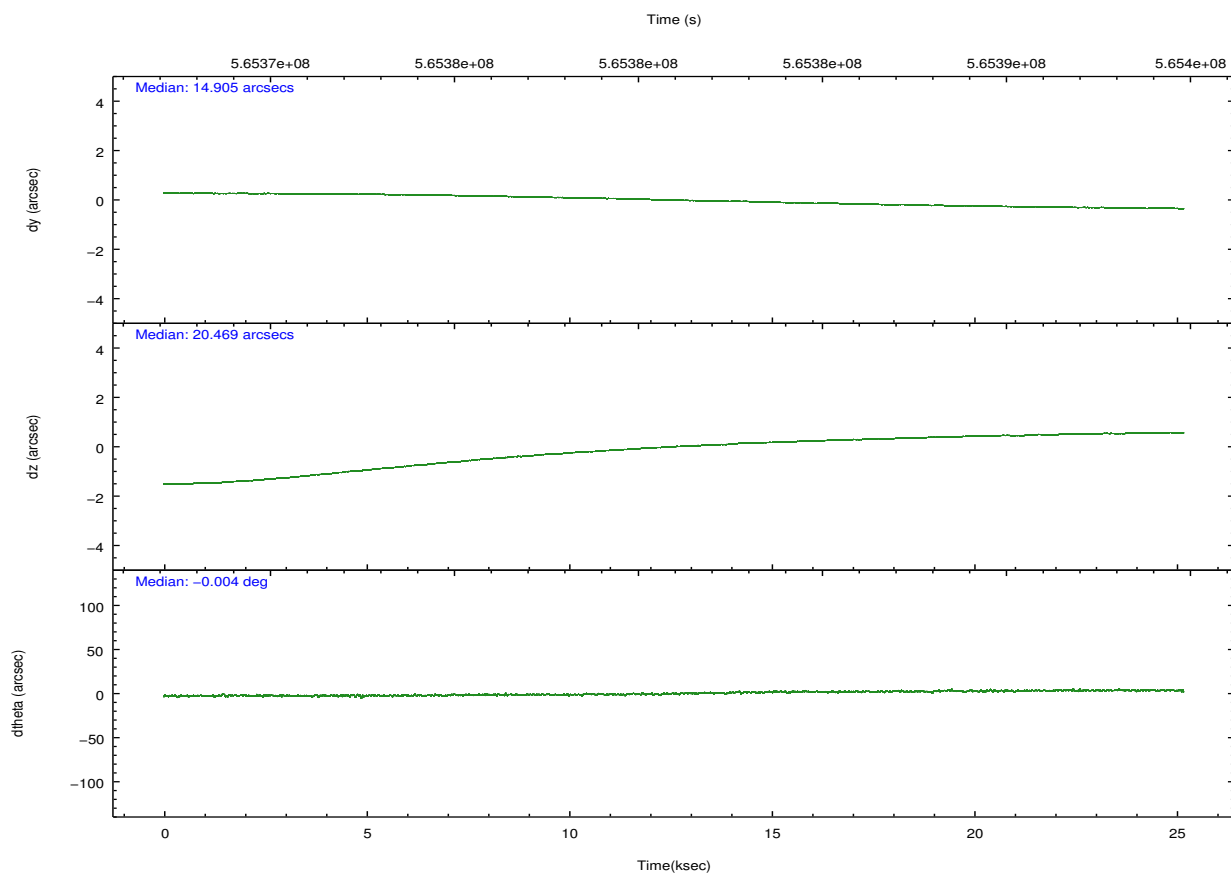
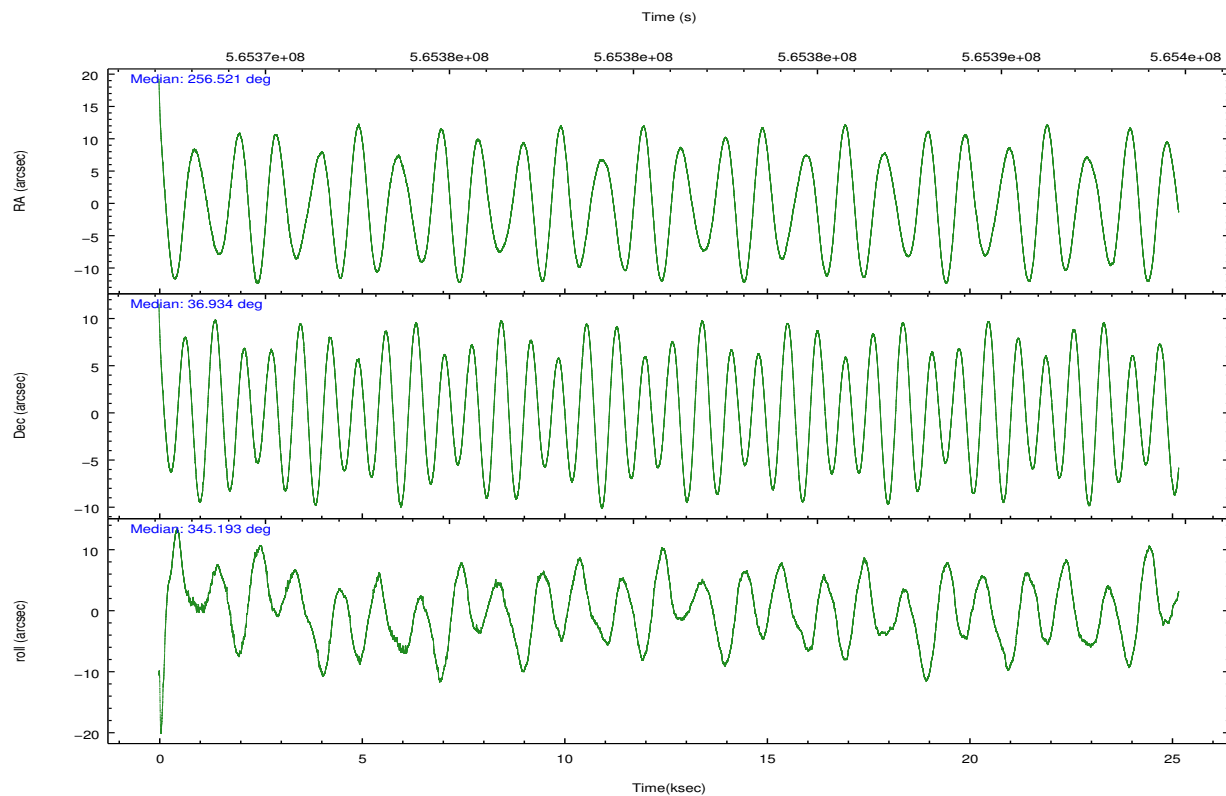
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	11761	5272	5642	8959	5560
	8%	4%	4%	6%	4%
grade 1 events	106	63	72	91	67
	0%	0%	0%	0%	0%
grade 2 events	3976	3697	3738	3783	3501
	3%	2%	2%	2%	2%
grade 3 events	1566	1618	1490	1660	1547
	1%	1%	1%	1%	1%
grade 4 events	1433	1583	1497	1634	1530
	1%	1%	1%	1%	1%
grade 5 events	5207	5502	4672	6002	5679
	3%	4%	3%	4%	4%
grade 6 events	2830	3448	2691	3078	3378
	2%	2%	1%	2%	2%
grade 7 events	104861	105746	118913	114838	113825
	79%	83%	85%	82%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	256.487800	256.5210923459068	CCD I2 on	Y	Y
[deg] Pointing Dec	36.926594	36.93392545216435	CCD I3 on	Y	Y
[deg] Pointing Roll	345.008577	345.1972686506326	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	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	565368537.184000	565367292.11597	CCD S5 on	N	N
Observation start date	2015-12-01T14:47:49	2015-12-01T14:28:12	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	565393537.184000	565394543.79248	On-chip summing requested	N	N
Observation end date	2015-12-01T21:44:29	2015-12-01T22:02:23	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



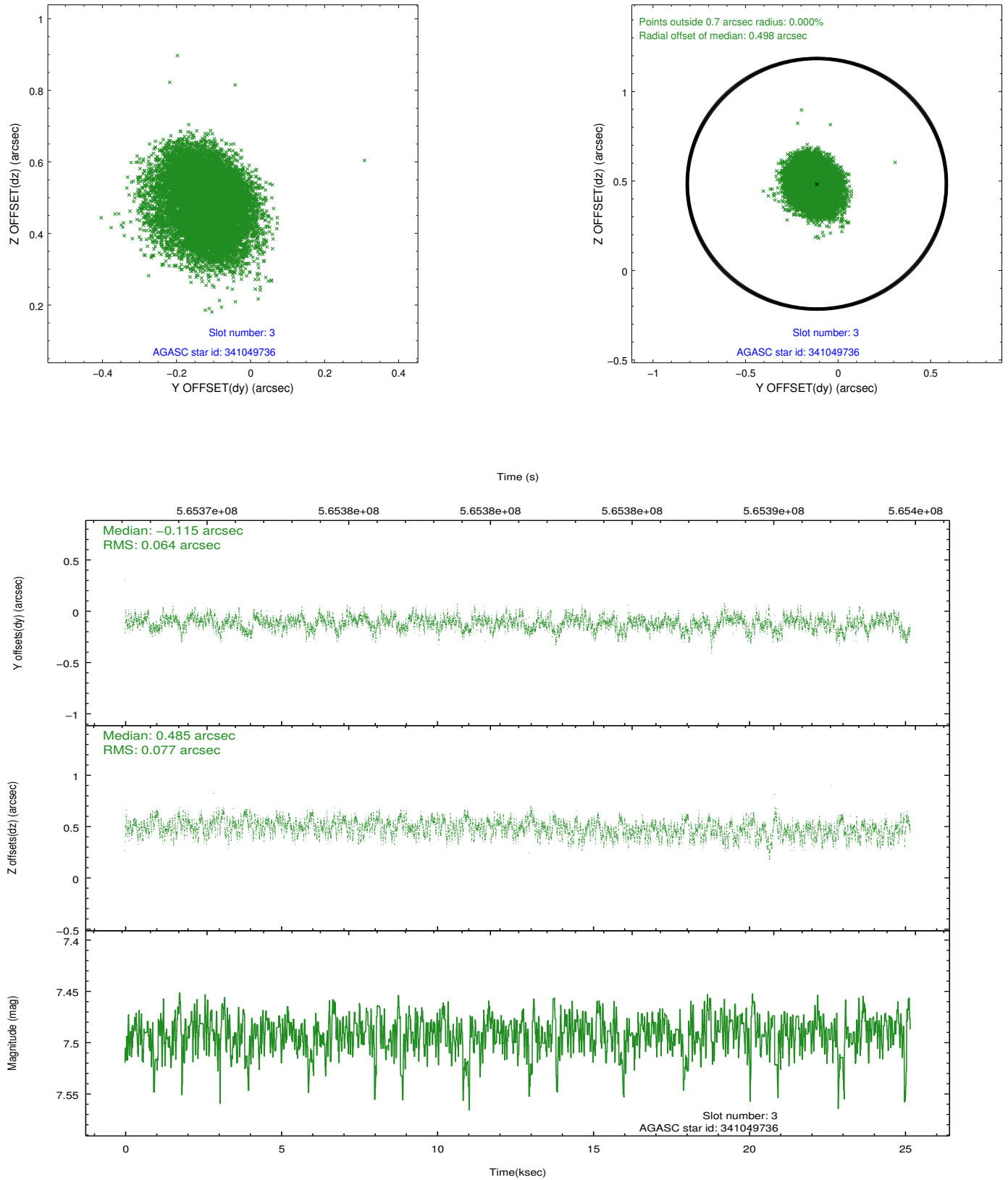


Slot Statistics

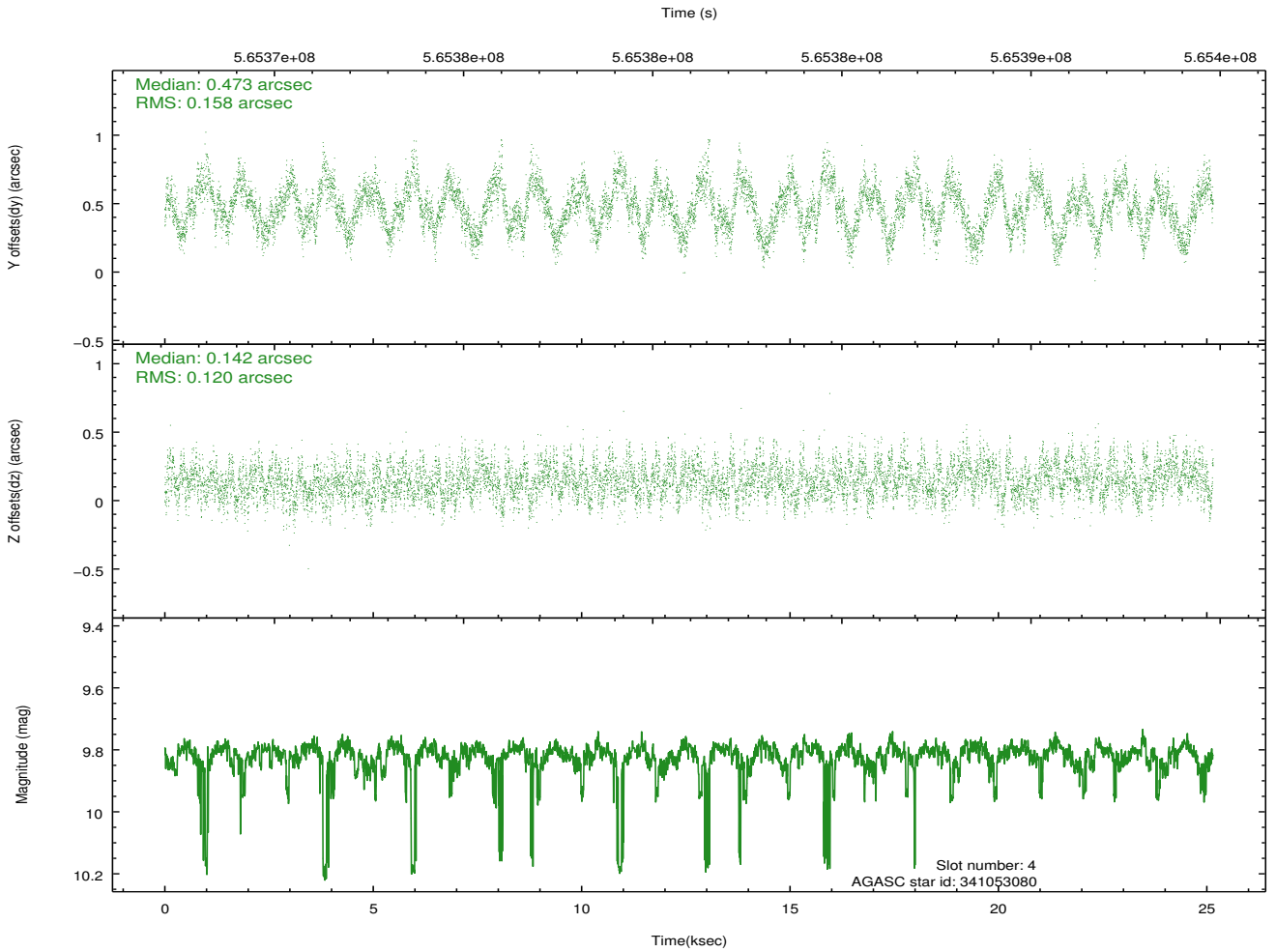
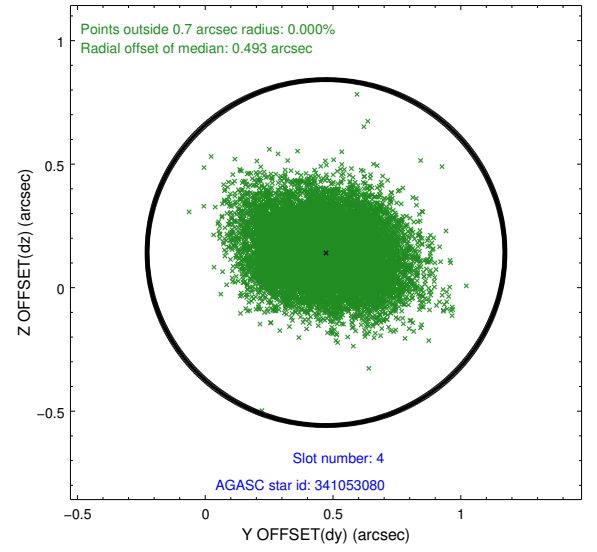
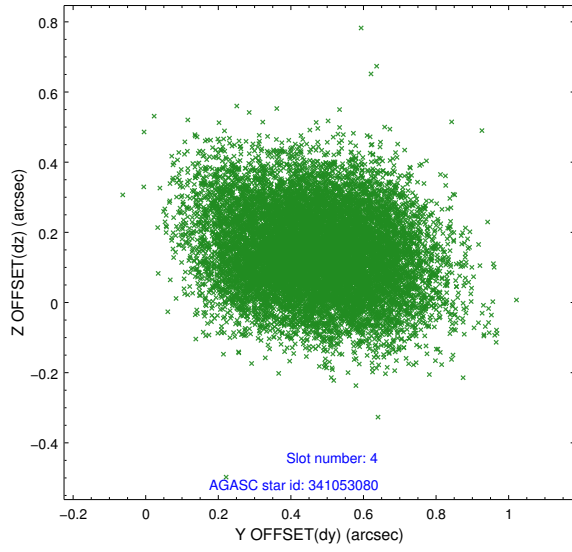
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.25	6140	-0.027	-0.083	0.031	0.077	0.000000	0.000000	924.57	-844.04
1	FID		ACIS-I-4	7.19	6140	0.321	0.093	0.019	0.047	0.000000	0.000000	2144.96	1055.90
2	FID		ACIS-I-5	7.26	6140	-0.392	0.060	0.016	0.031	0.000000	0.000000	-1823.71	1053.72
3	GUIDE	used	341049736	7.49	12280	-0.115	0.485	0.108	0.170	256.064269	36.753012	-1018.96	-916.67
4	GUIDE	used	341053080	9.82	12112	0.473	0.142	0.214	0.338	256.464748	36.883168	-22.82	-168.10
5	GUIDE	used	341054288	9.26	12275	0.063	-0.015	0.133	0.211	256.330130	37.038322	-541.38	271.70
6	GUIDE	used	341182448	9.37	12199	-0.028	-0.457	0.138	0.214	256.773282	37.063479	664.65	689.03
7	GUIDE	used	402660104	9.10	12268	-0.388	-0.168	0.176	0.301	256.892377	37.527462	555.71	2390.60

2.4 Star Slots

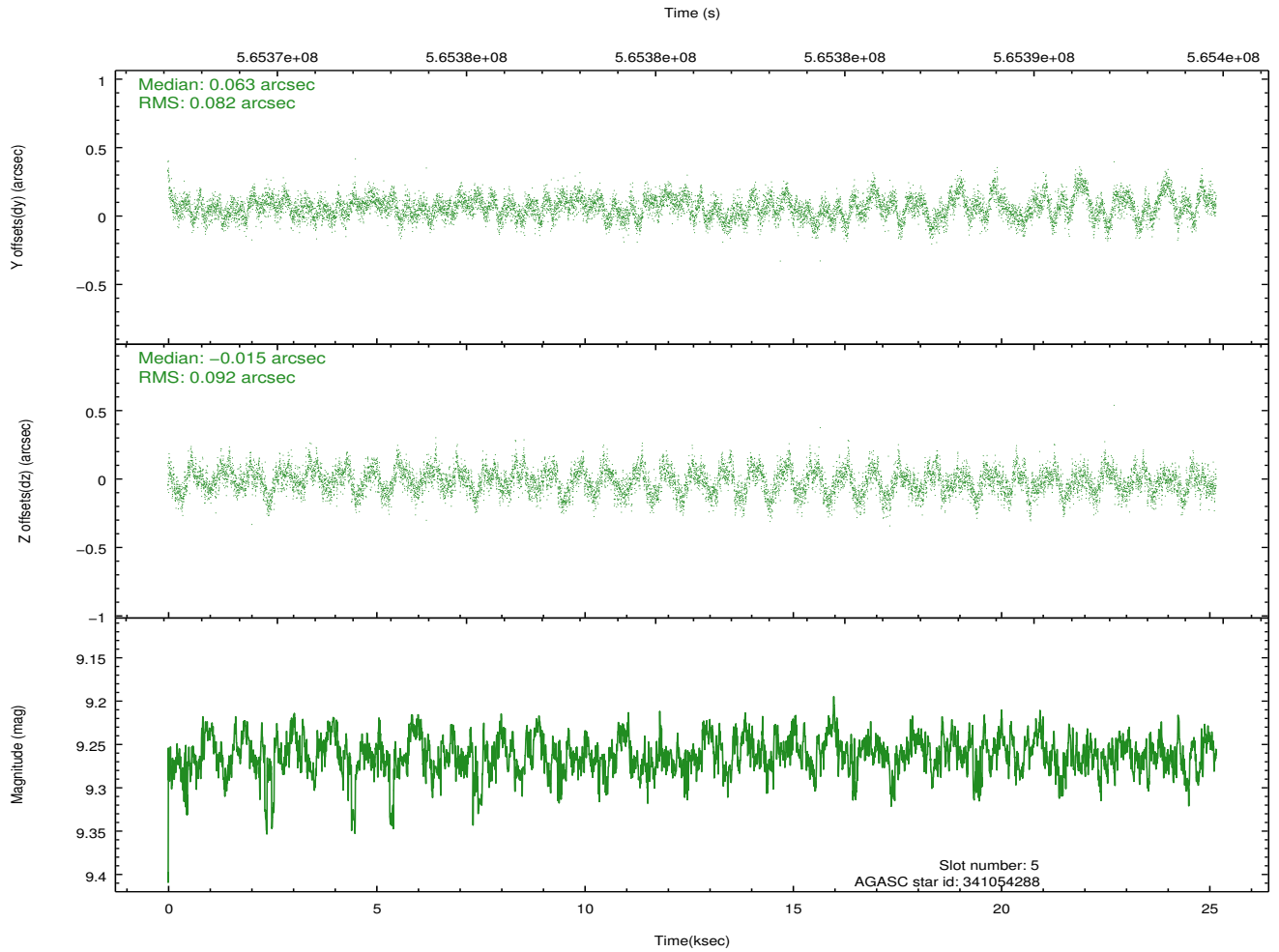
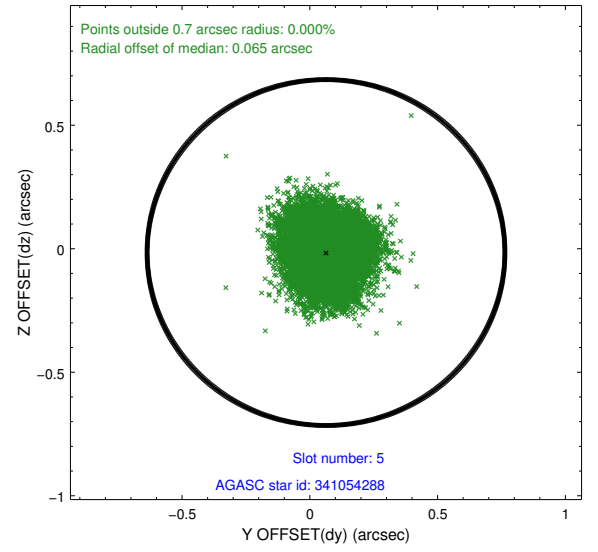
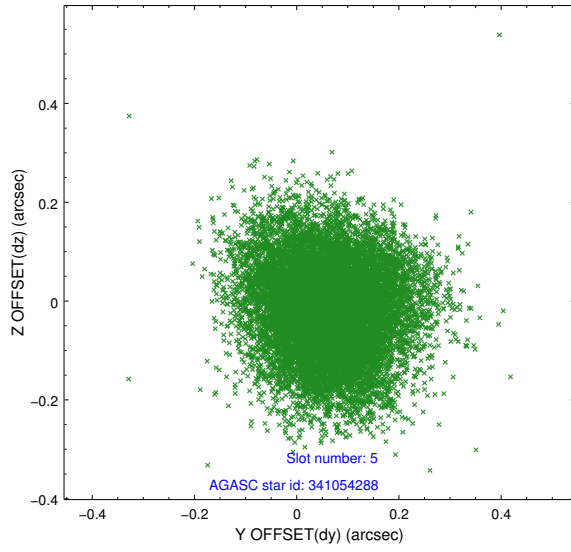
2.4.1 Slot 3



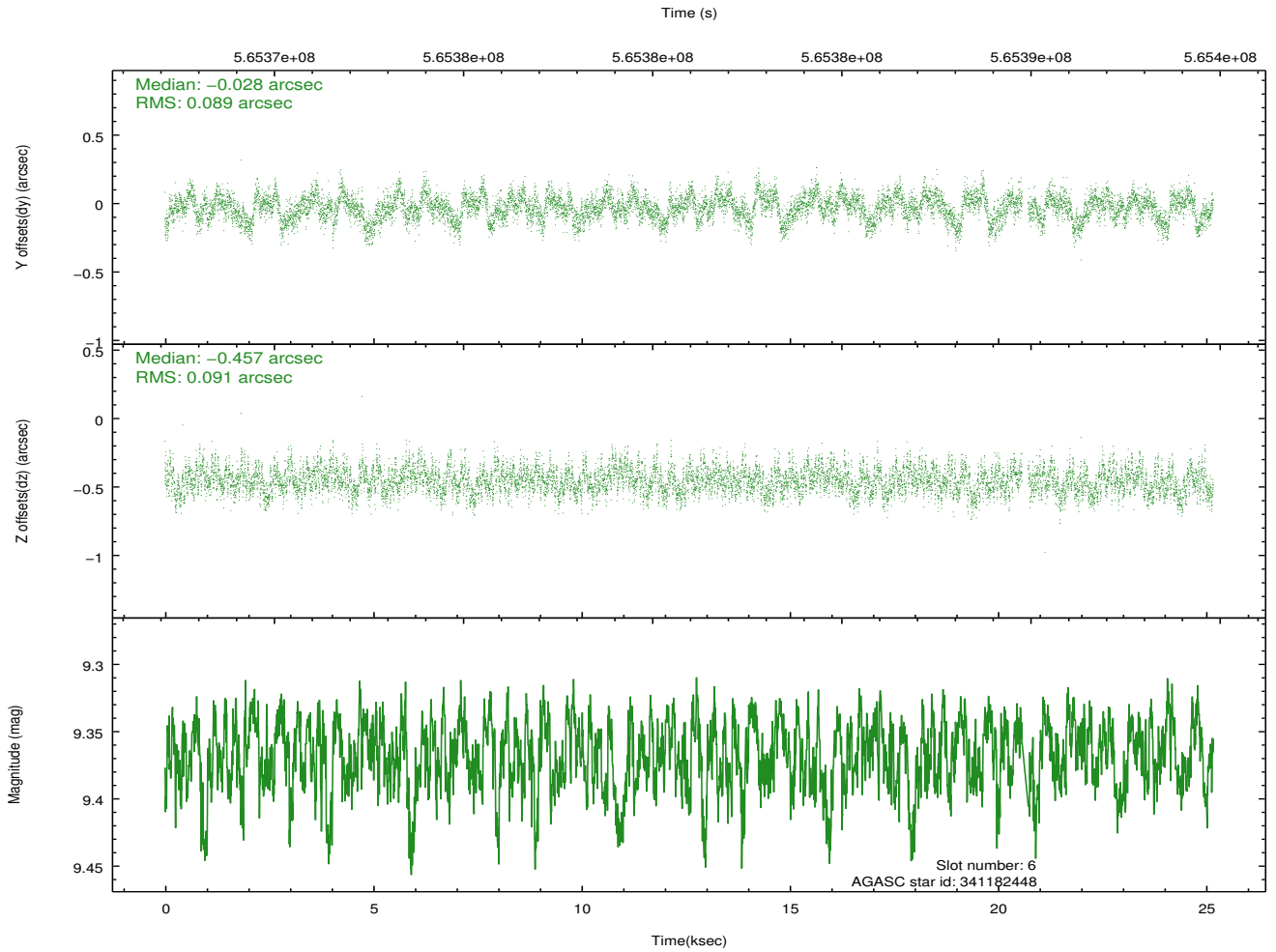
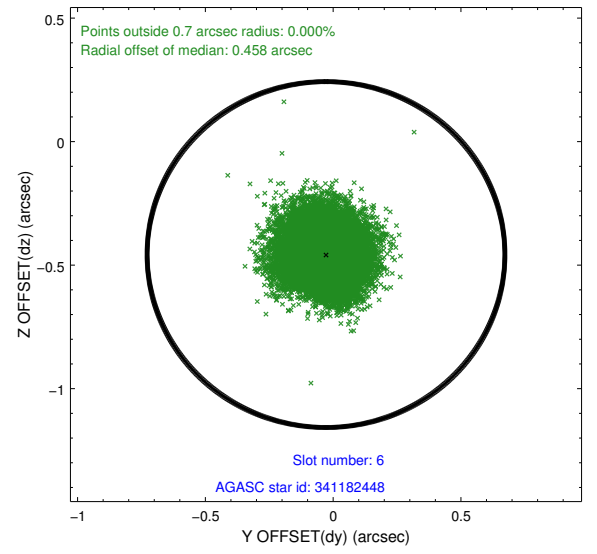
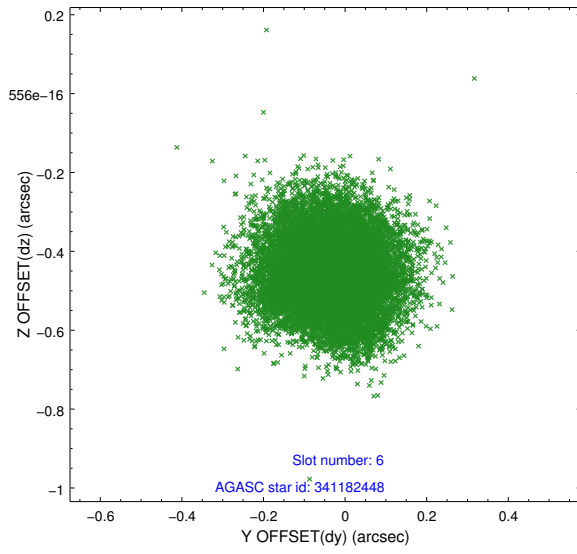
2.4.2 Slot 4



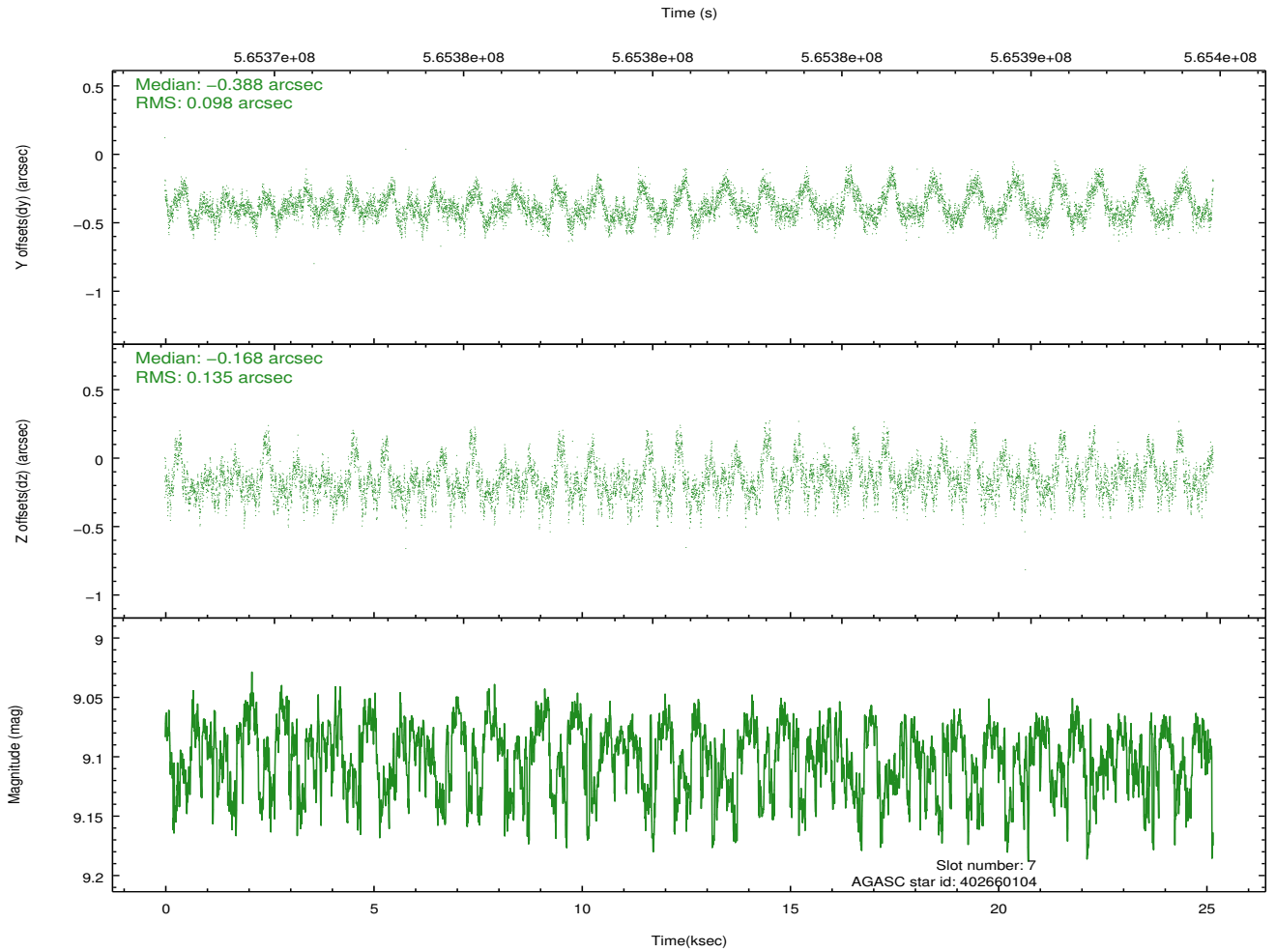
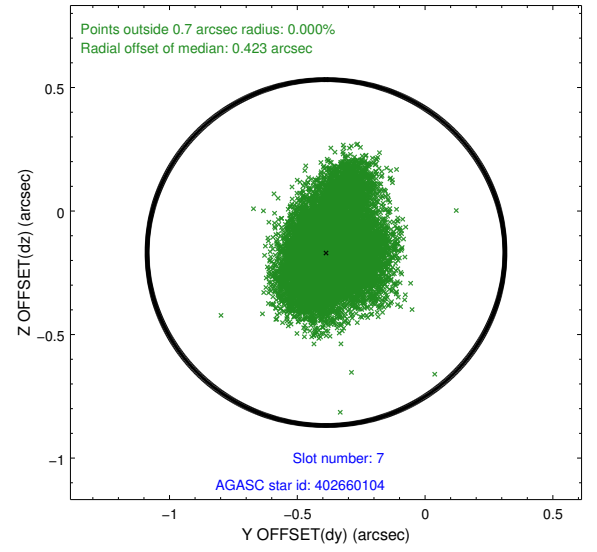
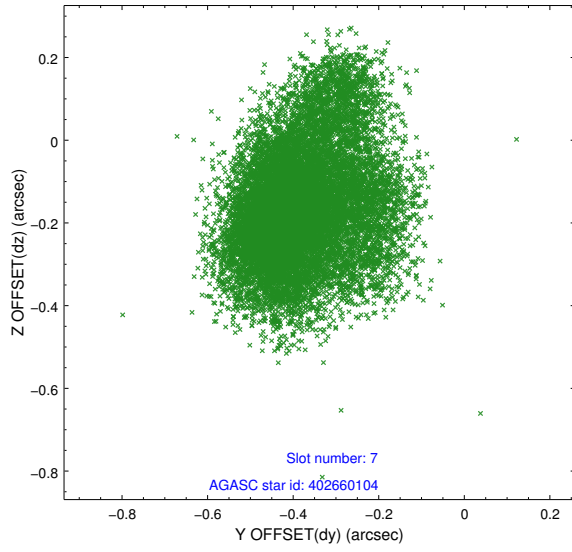
2.4.3 Slot 5



2.4.4 Slot 6

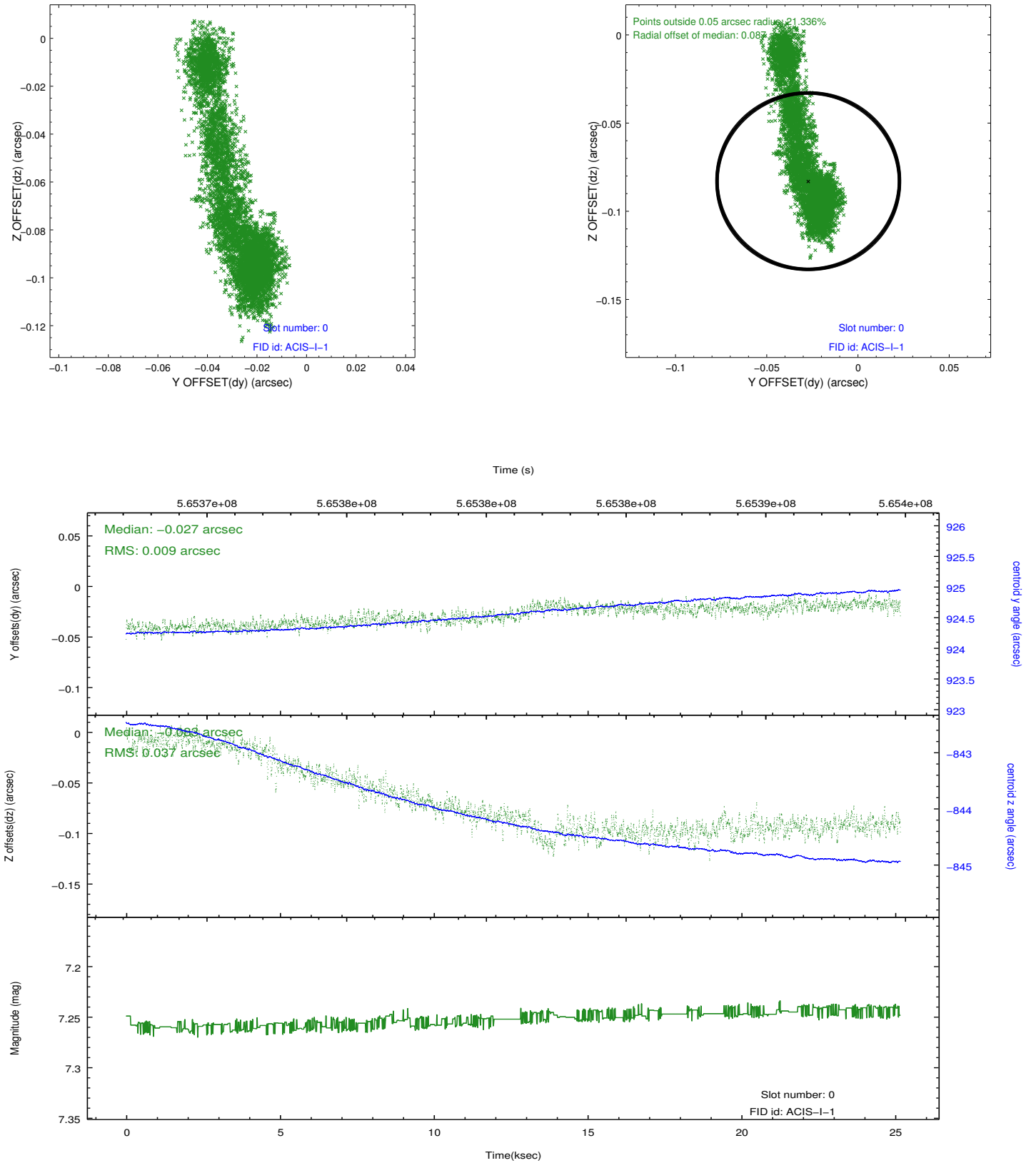


2.4.5 Slot 7

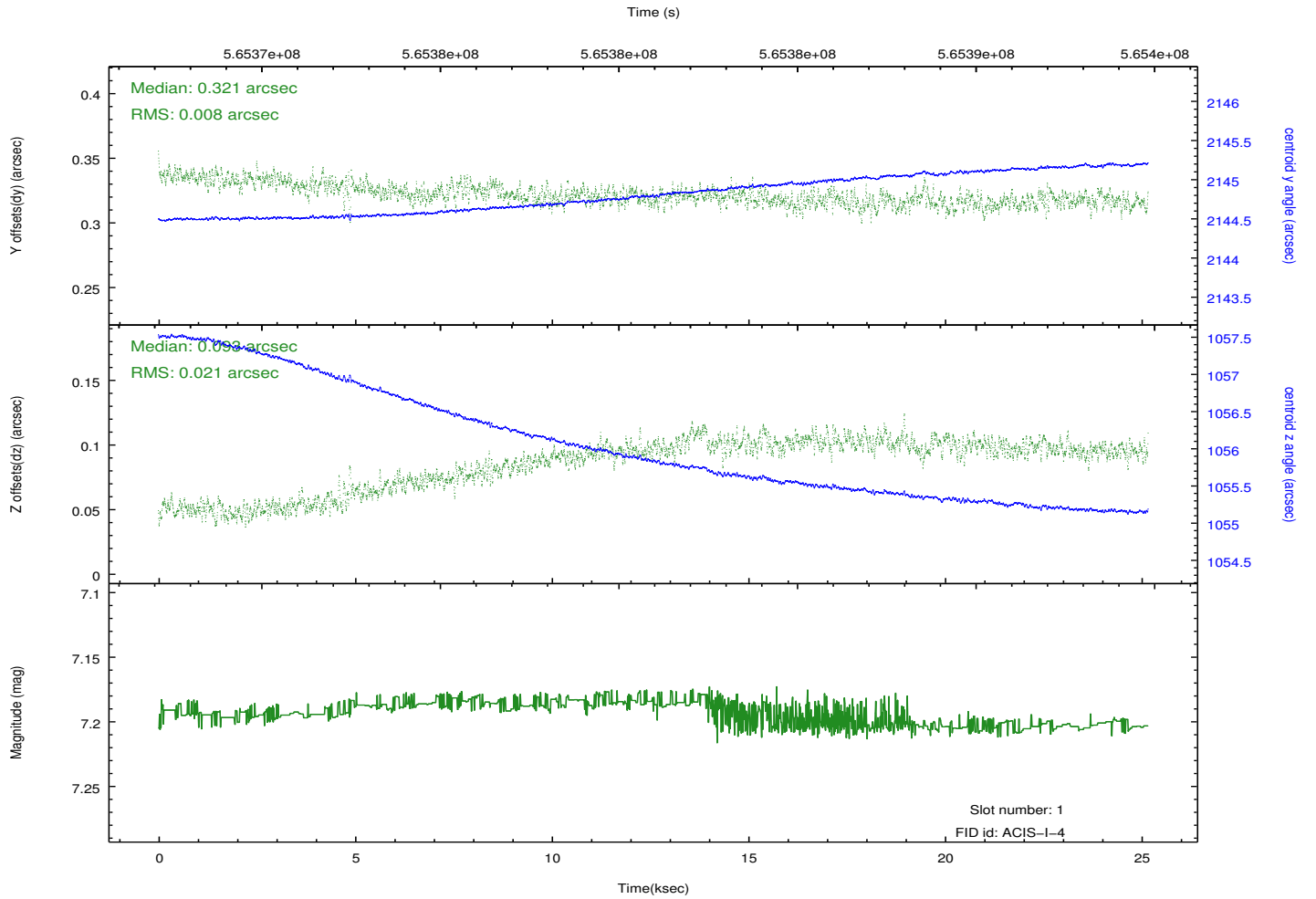
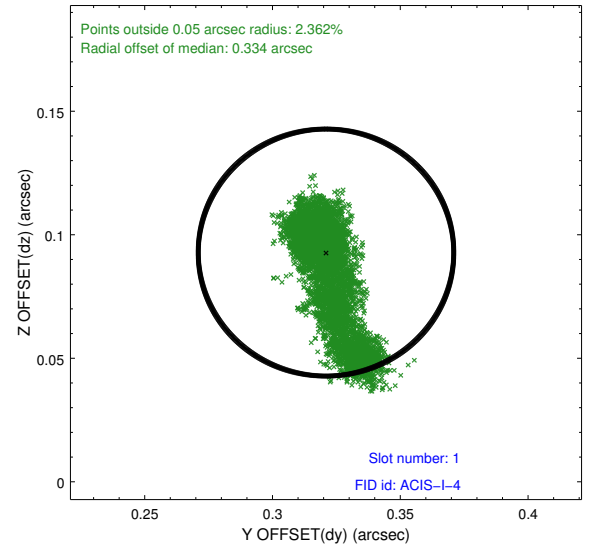
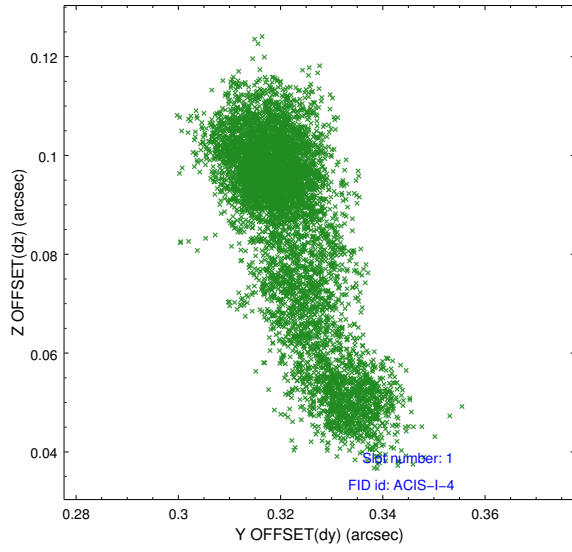


2.5 FID Slots

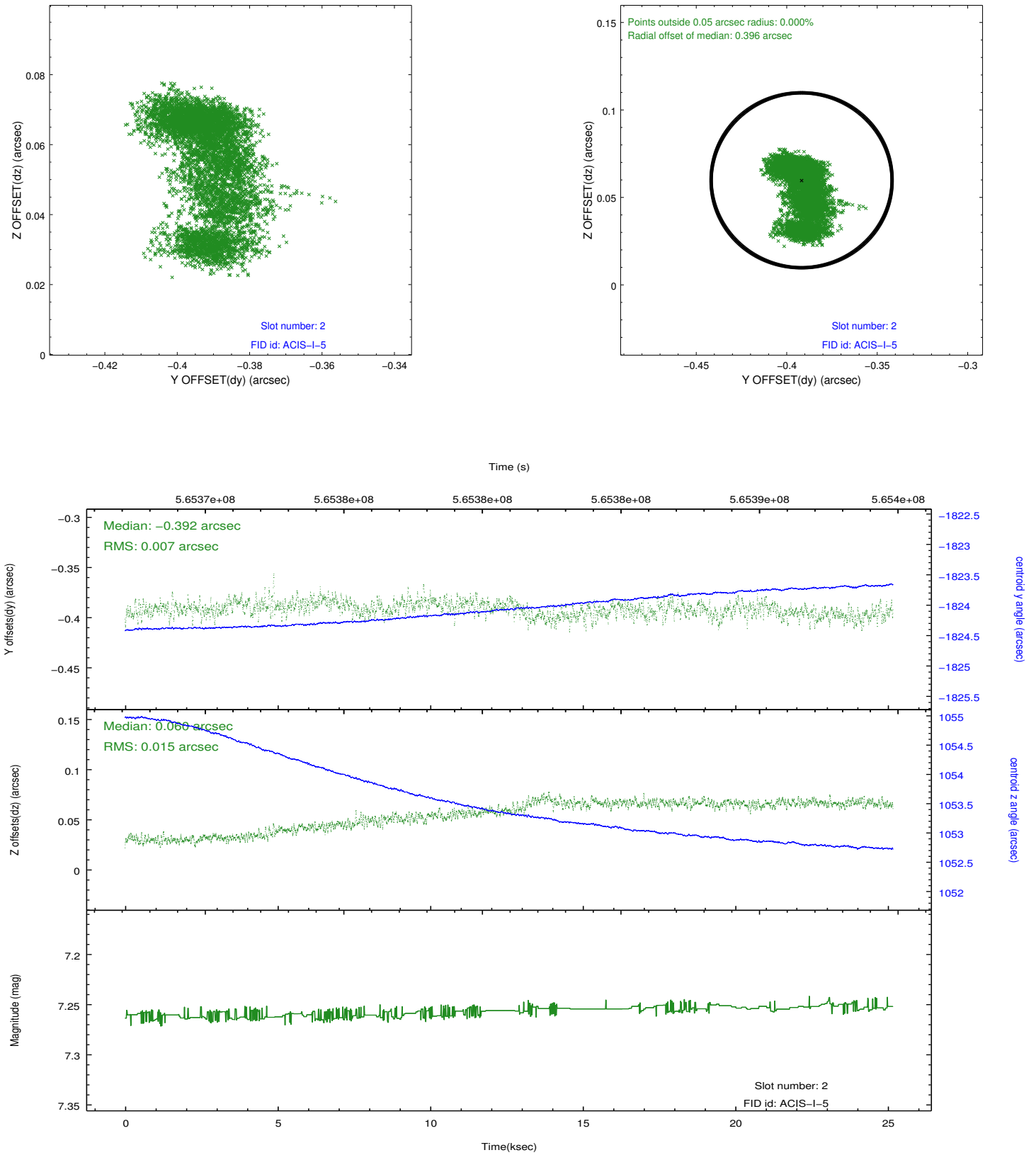
2.5.1 Slot 0



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)	2015.12.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.071611430287

A.2 Comments