

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11707 - L2 Version 2  
Chandra X-Ray Center

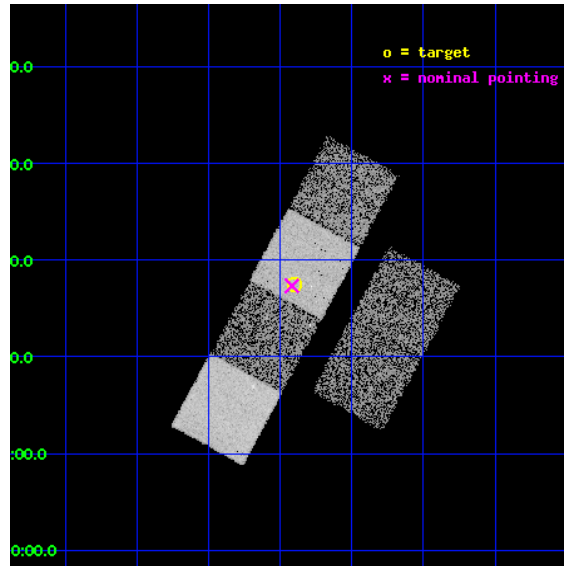
L2 Processing Date : Jun 18 2012

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
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
<b>A</b>	<b>Summary</b>	<b>17</b>
A.1	Status . . . . .	17
A.2	Comments . . . . .	17

# 1 Front

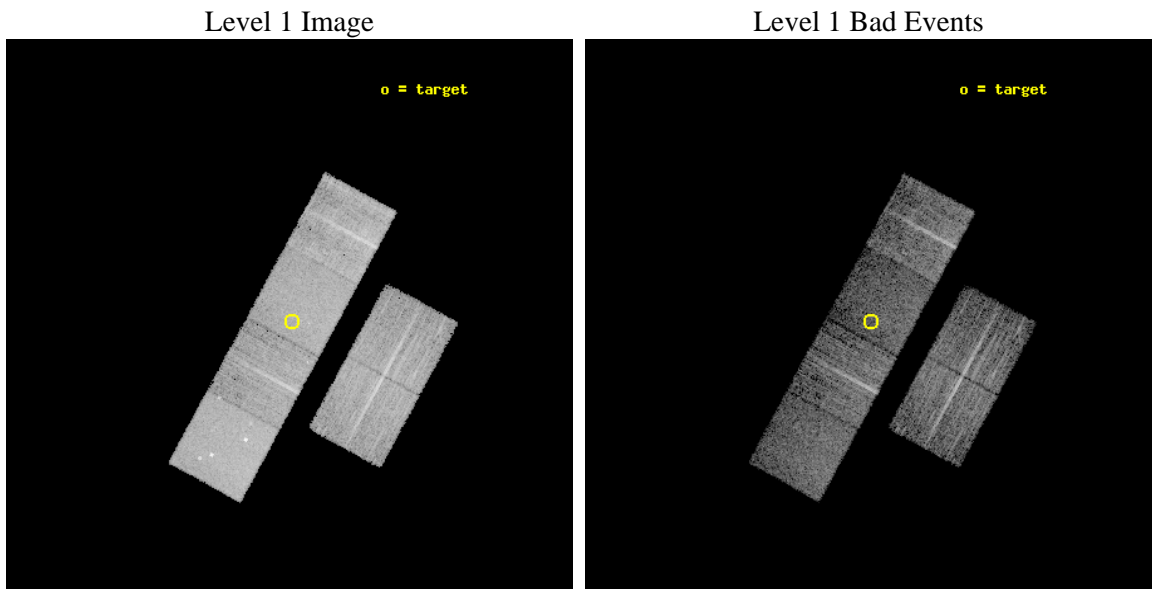
seq_num	702292	Sequence number
obs_id	11707	Observation id
title	After the Fall: Fading AGN in Post-starburst Galaxies	Proposal tit
observer	Dr. Christy Tremonti	Principal investigator
object	SDSS J211824.06+001729.4	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	319.600417	Observer's specified target RA [deg]
dec_targ	0.2915	Observer's specified target Dec [deg]
ra_nom	319.60463544785	Nominal RA [deg]
dec_nom	0.28902762828954	Nominal Dec [deg]
roll_nom	298.55770481232	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5727.9999787211	Sum of GTIs [s]
liveltime	5655.4685940031	Livetime [s]
ontime2	5727.9999787211	Sum of GTIs [s]
ontime3	5724.7589983344	Sum of GTIs [s]
ontime5	5727.9999787211	Sum of GTIs [s]
ontime6	5727.9999787211	Sum of GTIs [s]
ontime7	5727.9999787211	Sum of GTIs [s]
ontime8	5727.9999787211	Sum of GTIs [s]
l2events	78704	Number of level 2 events



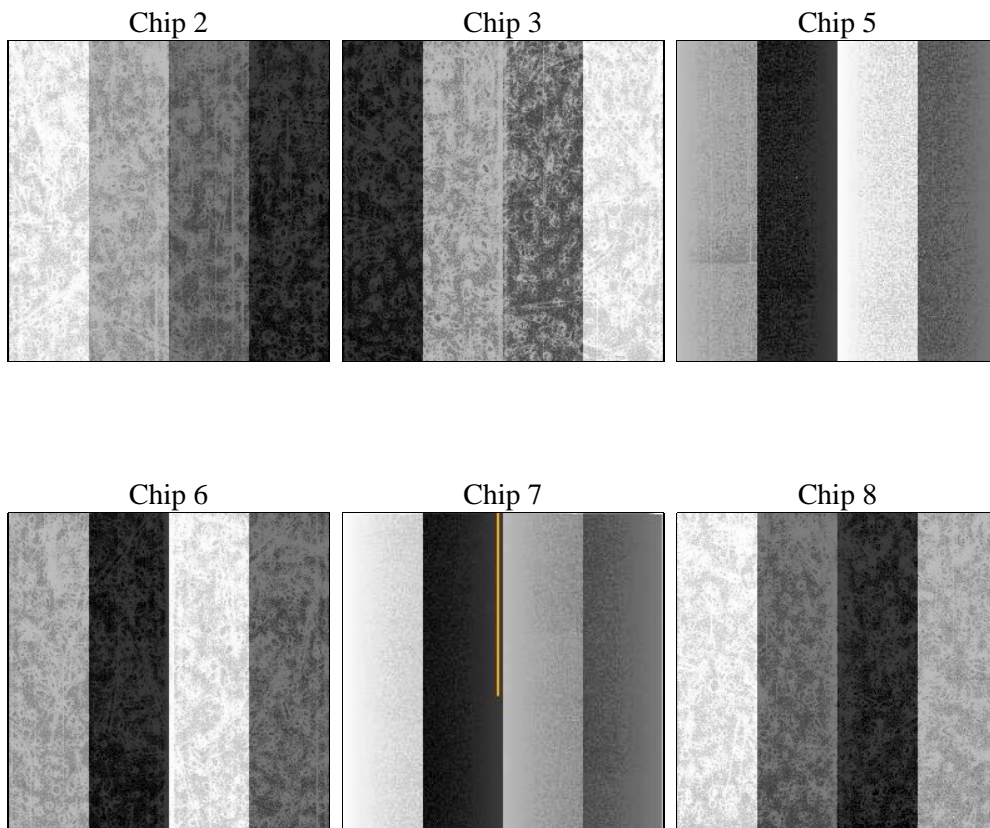
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5690.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5727.9999787211	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime2	5727.9999787211	Sum of GTIs [s]
date	2012-06-18T06:52:11	Date and time of file creation	ontime3	5724.7589983344	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5727.9999787211	Sum of GTIs [s]
			ontime6	5727.9999787211	Sum of GTIs [s]
			ontime7	5727.9999787211	Sum of GTIs [s]
			ontime8	5727.9999787211	Sum of GTIs [s]
			l1events	342394	Number of level 1 events

### 2.1.4 Events

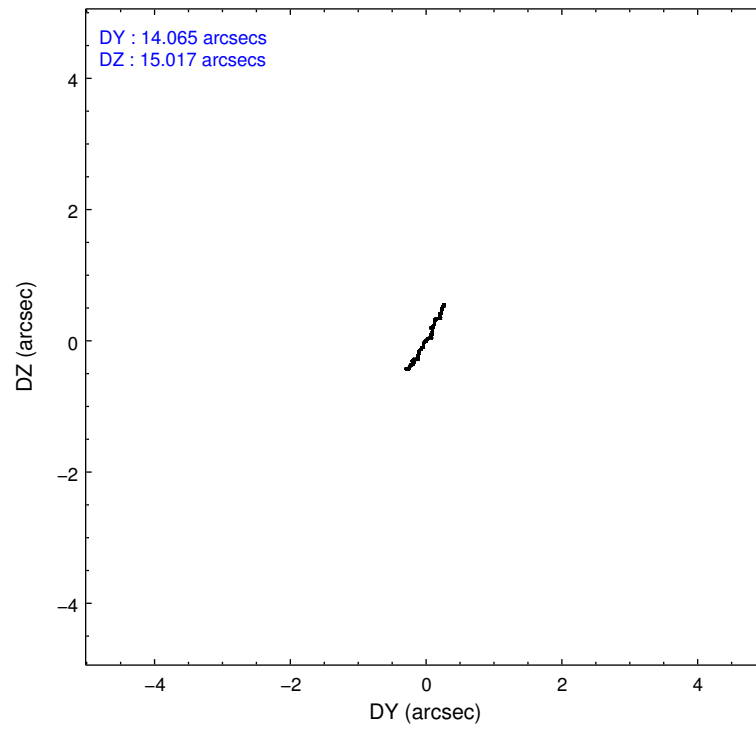
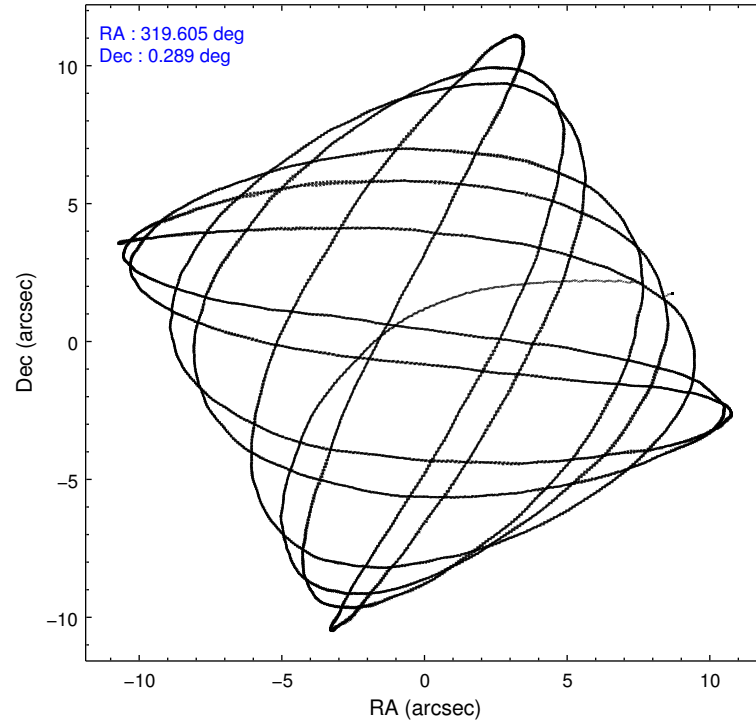
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	51848	47120	73249	48934	57922	63321	grade 0 events	1767	1656	4759	2033	2476	5101
rejected events	46745	42358	36044	43372	31233	46799		3%	3%	6%	4%	4%	8%
rejected %	90%	89%	49%	88%	53%	73%	grade 1 events	31	34	201	35	82	61
								0%	0%	0%	0%	0%	0%
							grade 2 events	1266	1073	10764	1241	5441	3713
								2%	2%	14%	2%	9%	5%
							grade 3 events	507	542	1455	563	2382	1834
								0%	1%	1%	1%	4%	2%
							grade 4 events	574	530	1431	594	2400	1602
								1%	1%	1%	1%	4%	2%
							grade 5 events	1859	2047	5625	2071	6020	3094
								3%	4%	7%	4%	10%	4%
							grade 6 events	992	965	18831	1140	14008	4292
								1%	2%	25%	2%	24%	6%
							grade 7 events	44852	40273	30183	41257	25113	43624
								86%	85%	41%	84%	43%	68%

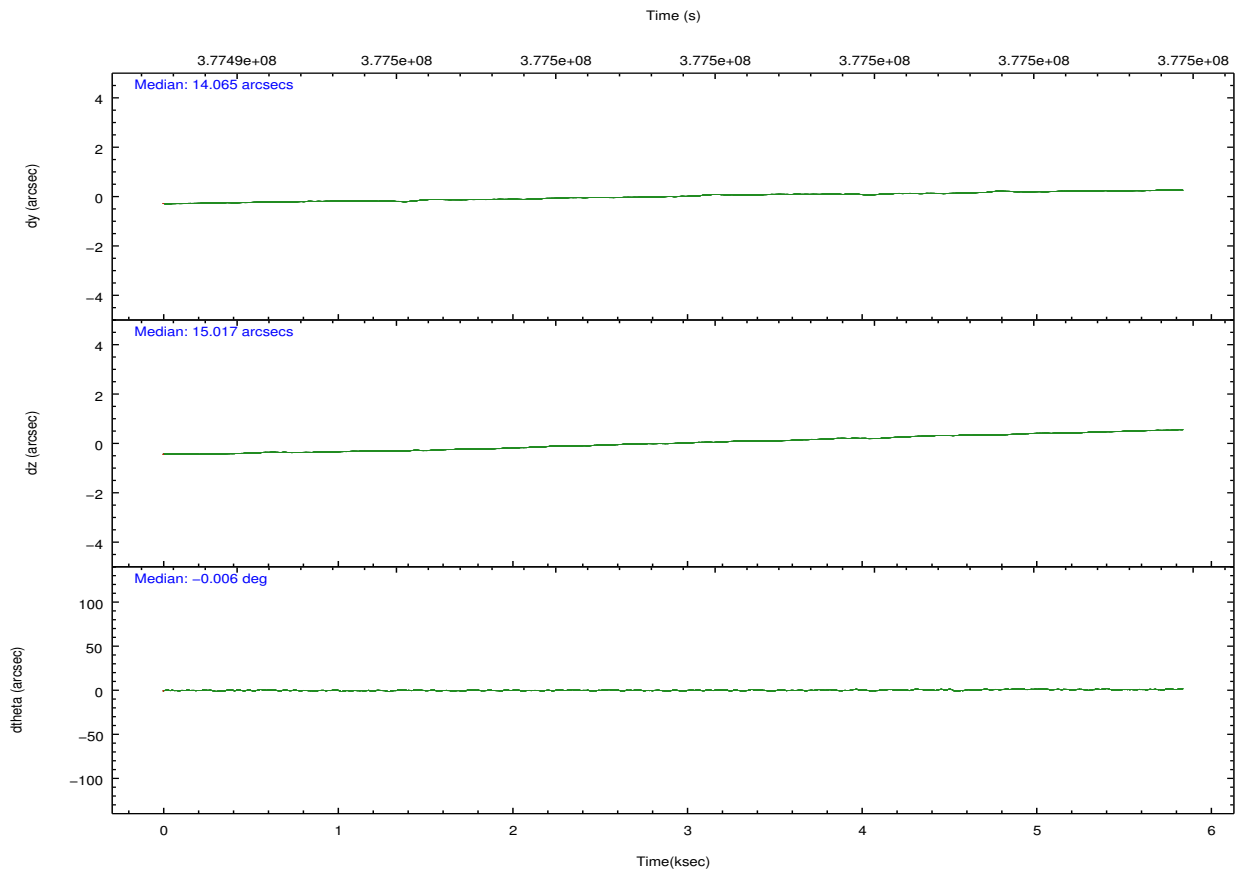
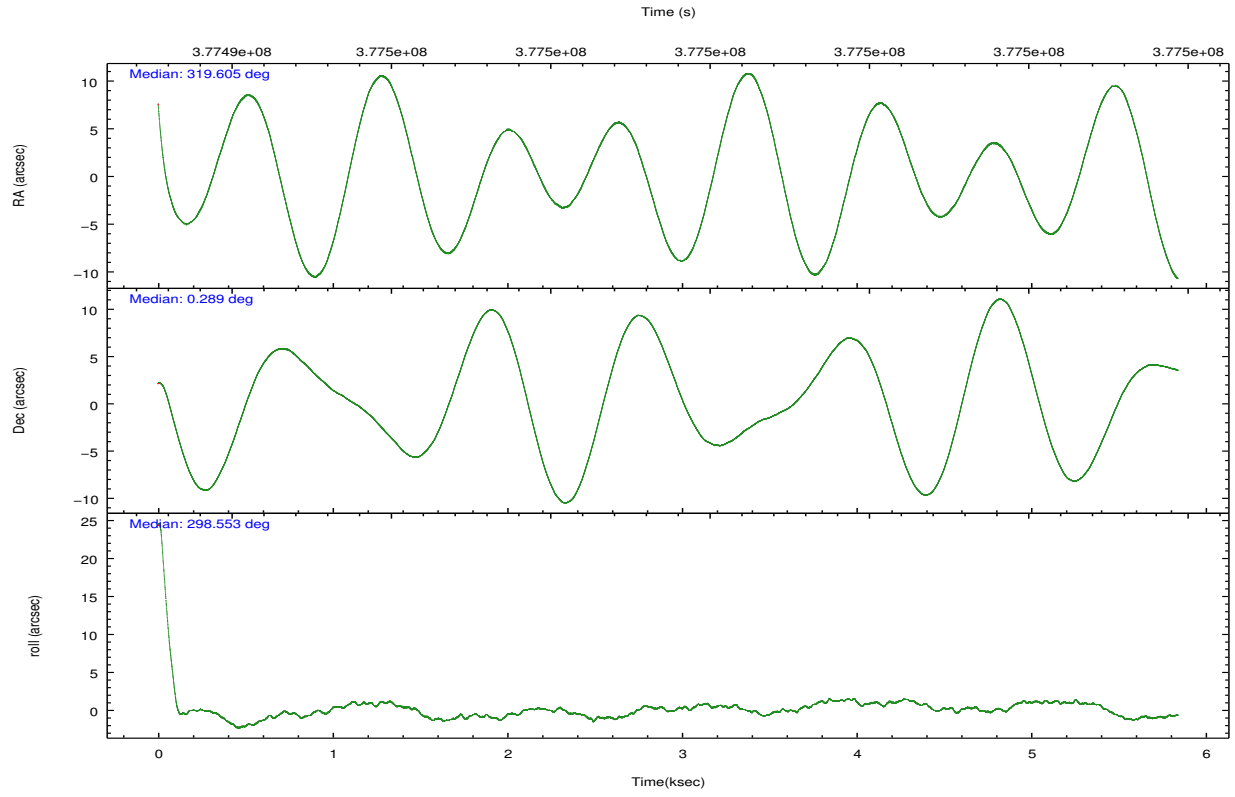


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	319.581104	319.6046354478493	CCD I2 on	O1	Y
[deg] Pointing Dec	0.303040	0.289027628289543	CCD I3 on	O2	Y
[deg] Pointing Roll	298.401155	298.5577048123238	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O4	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	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	O3	Y
[s] Observation start time (MET)	377493971.184000	377492954.66364	CCD S5 on	N	N
Observation start date	2009-12-18T03:25:05	2009-12-18T03:09:14	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	377499661.184000	377500995.78905	On-chip summing requested	N	N
Observation end date	2009-12-18T04:59:55	2009-12-18T05:23:15	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



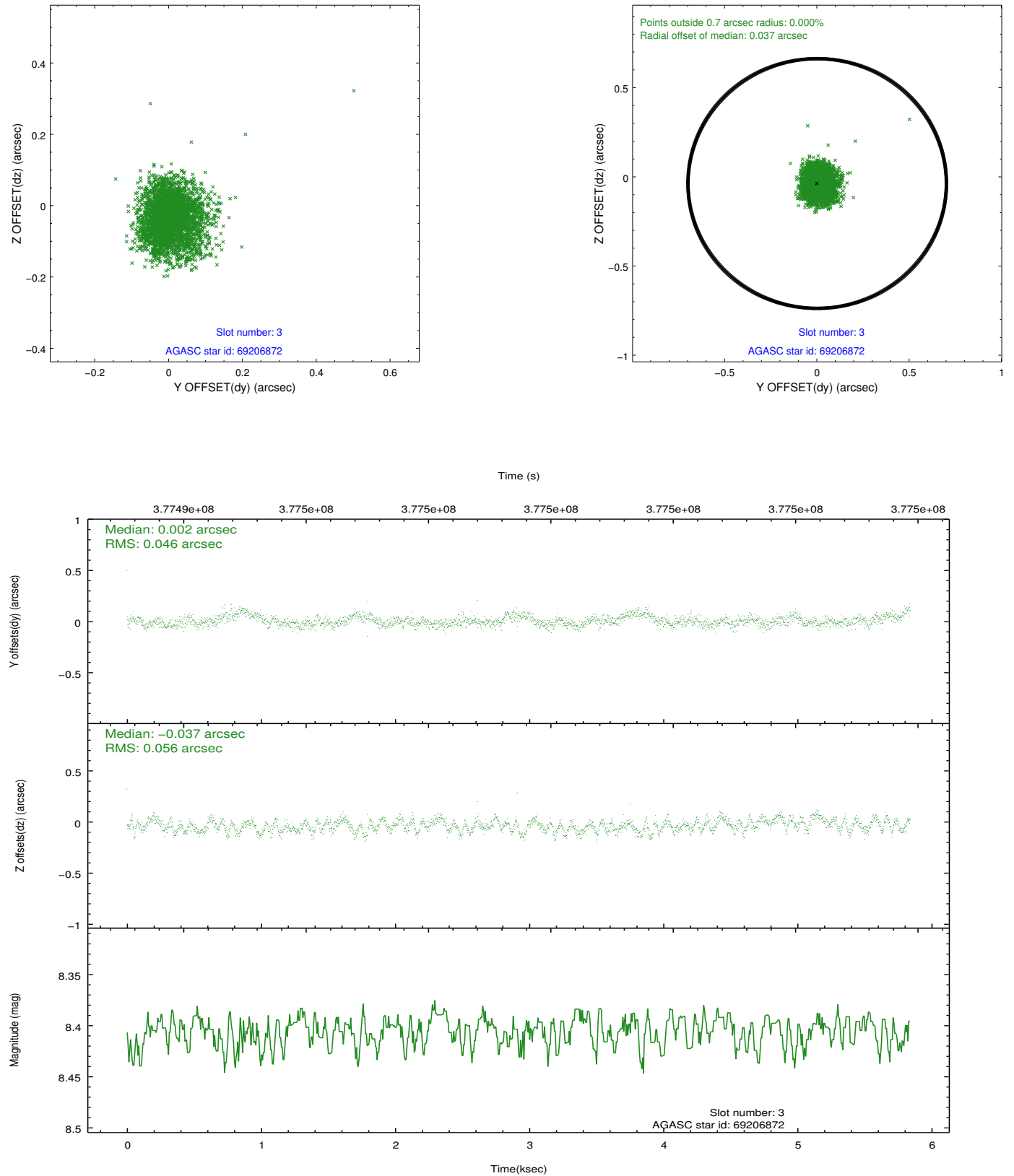


### Slot Statistics

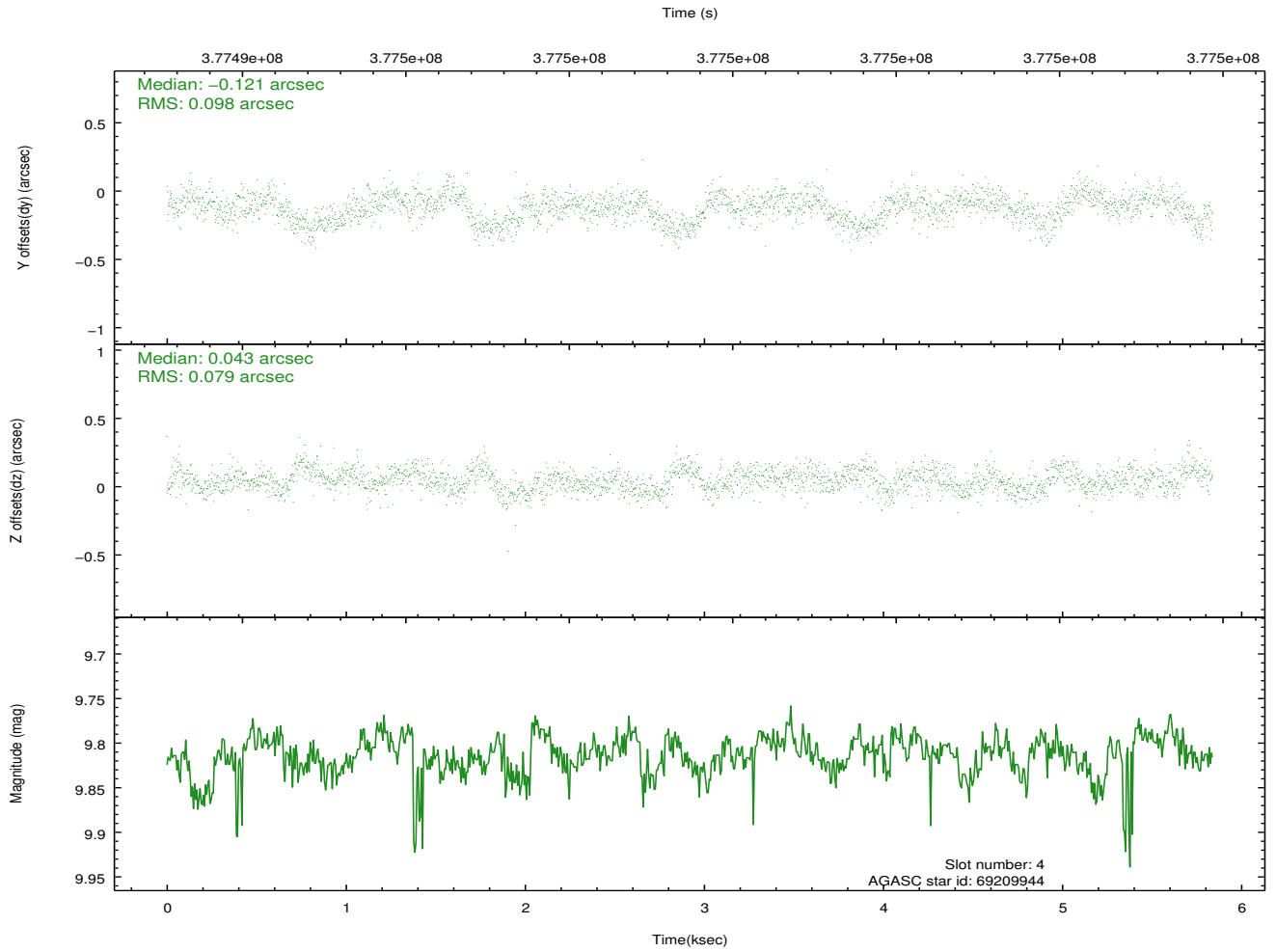
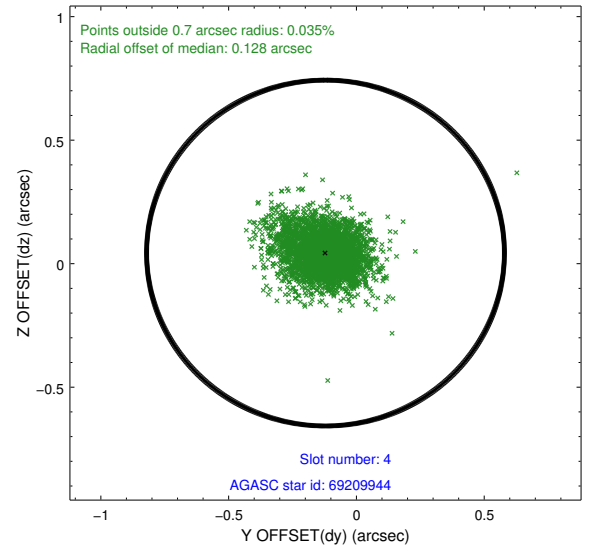
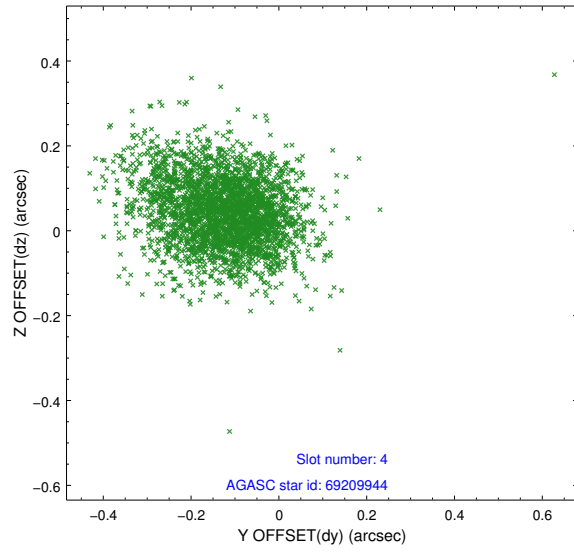
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.96	1425	0.063	-0.042	0.013	0.020	0.000000	0.000000	929.11	-1732.07
1	FID	ACIS-S-5	7.00	1425	-0.166	0.027	0.009	0.015	0.000000	0.000000	-1819.57	164.47
2	FID	ACIS-S-6	7.11	1425	0.081	0.028	0.016	0.026	0.000000	0.000000	393.55	809.60
3	GUIDE	69206872	8.40	2848	0.002	-0.037	0.076	0.123	319.009513	0.201113	-655.70	-1984.07
4	GUIDE	69209944	9.81	2846	-0.121	0.043	0.131	0.221	319.428797	0.904792	-2166.35	547.95
5	GUIDE	69212880	8.31	2850	-0.116	0.047	0.078	0.123	320.016126	0.840272	-957.07	2297.71
6	GUIDE	69213096	8.60	2847	0.065	-0.135	0.074	0.119	319.758930	0.016856	1210.59	74.17
7	GUIDE	69213832	9.03	2846	0.174	0.086	0.081	0.132	320.030455	0.095457	1427.66	1069.13

## 2.4 Star Slots

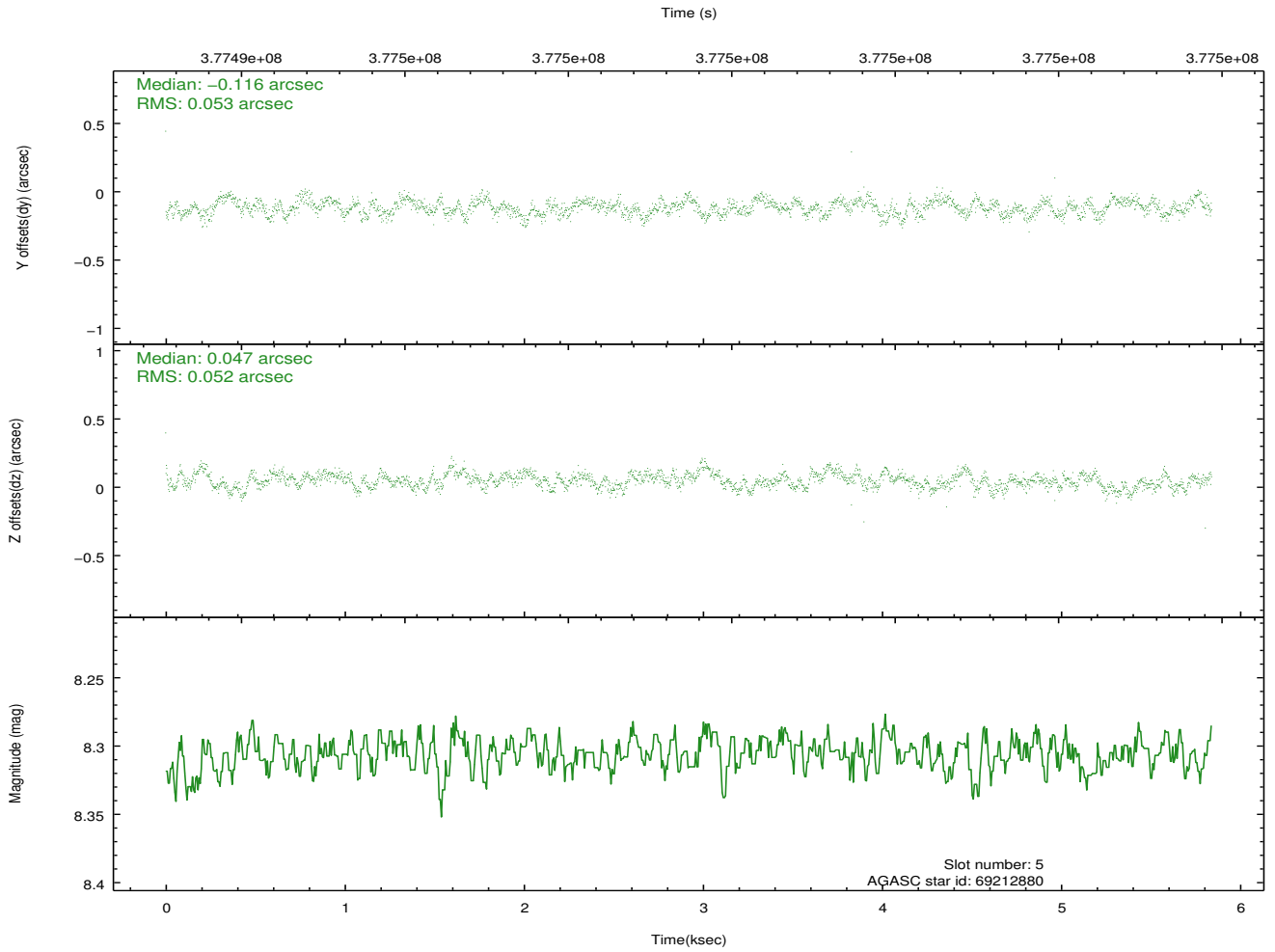
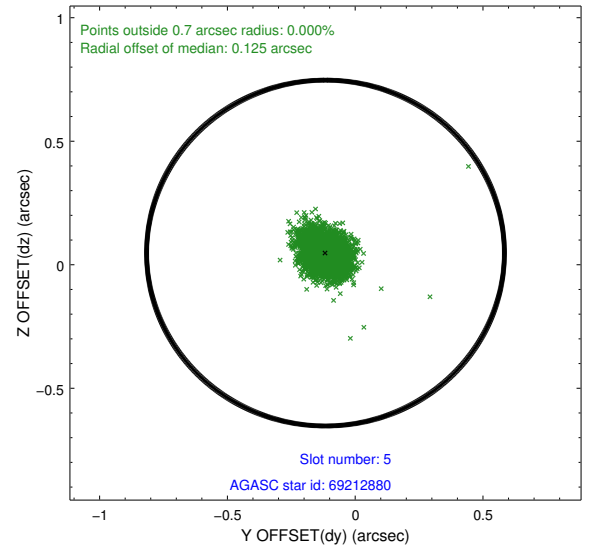
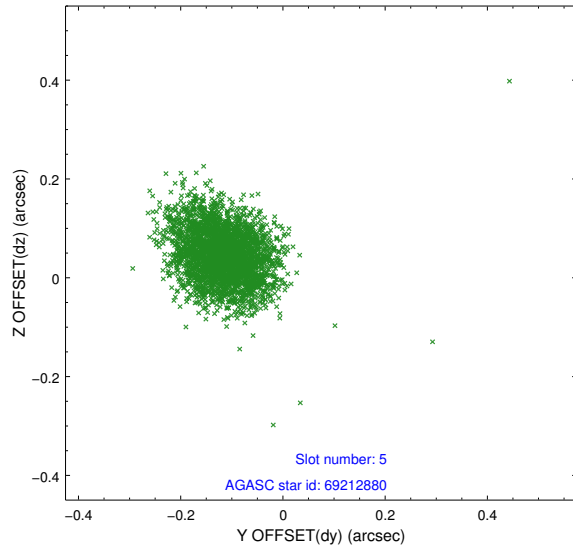
### 2.4.1 Slot 3



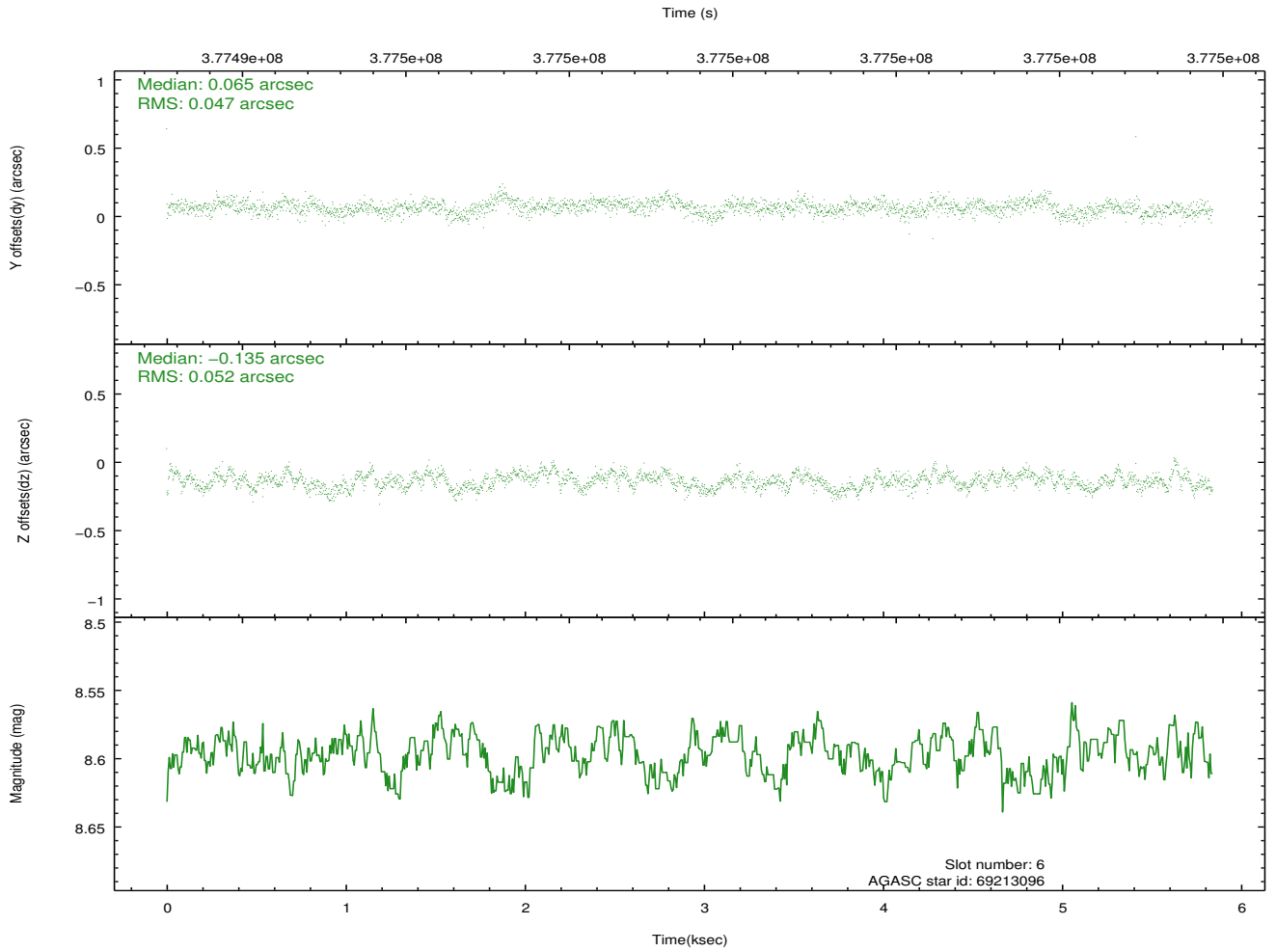
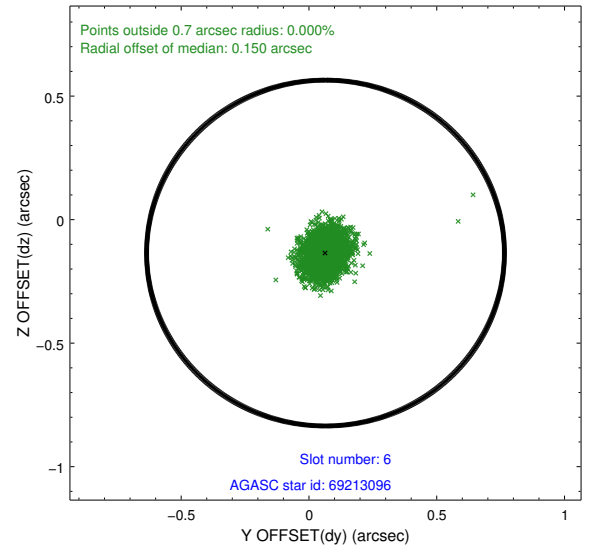
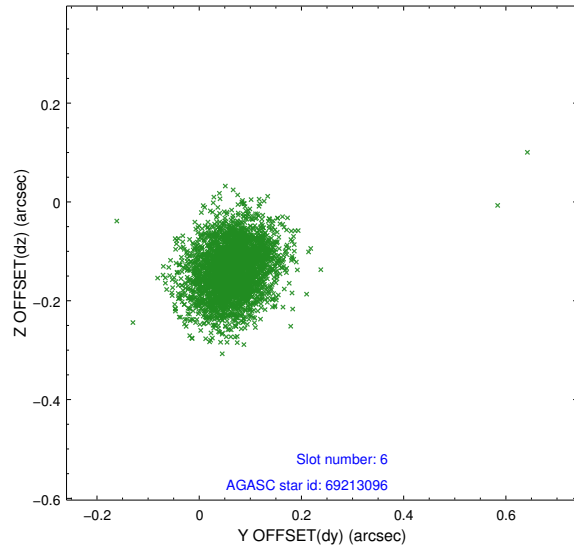
## 2.4.2 Slot 4



### 2.4.3 Slot 5

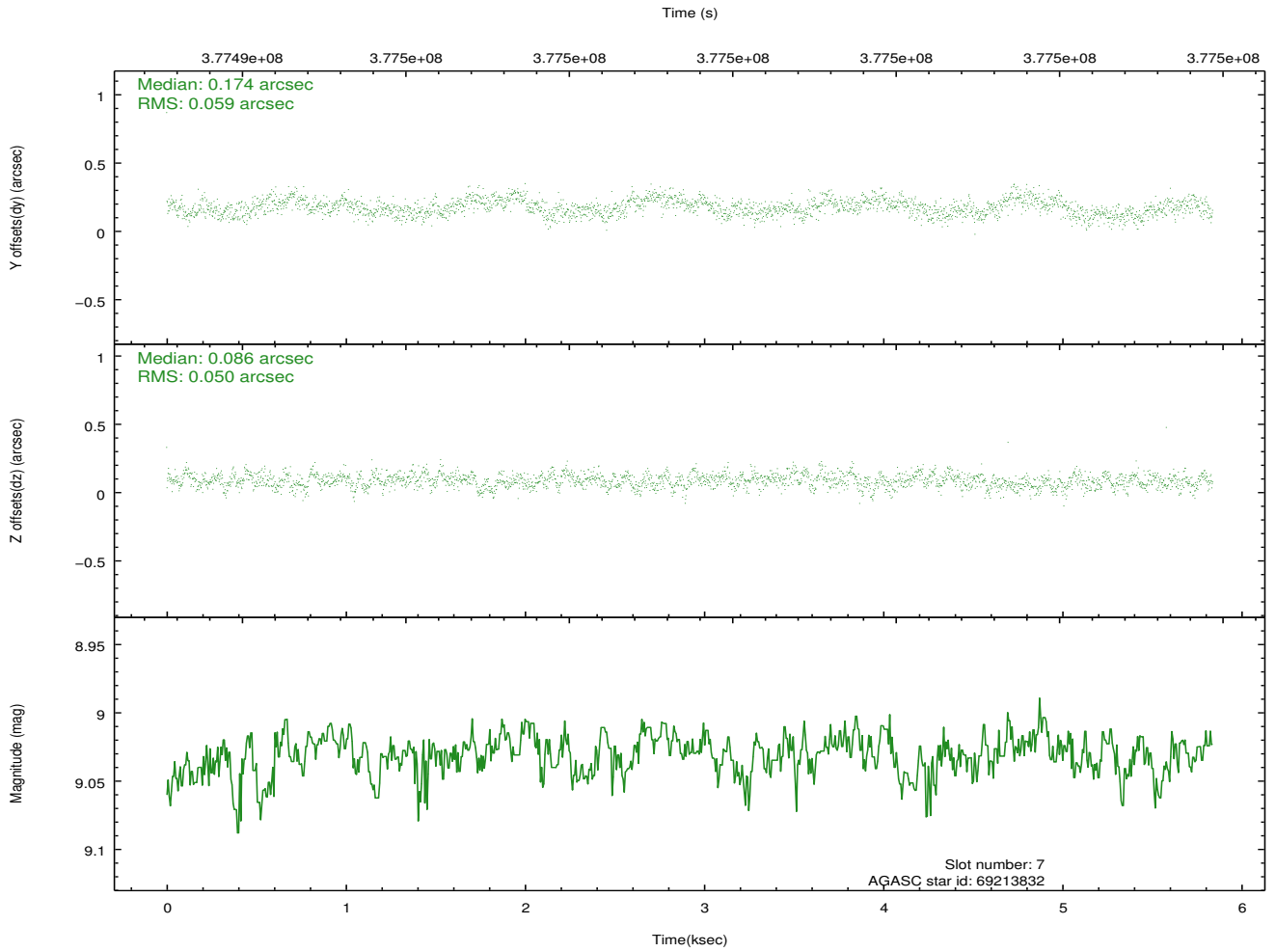
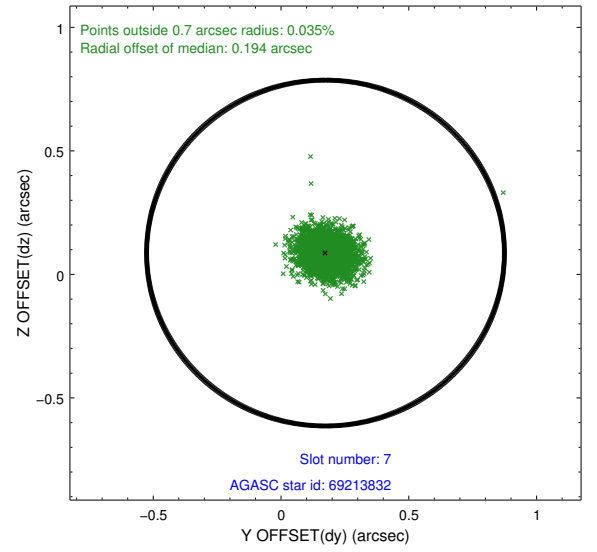
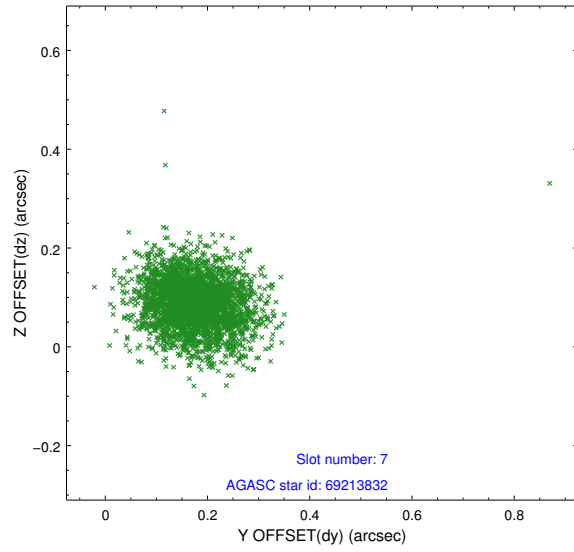


## 2.4.4 Slot 6



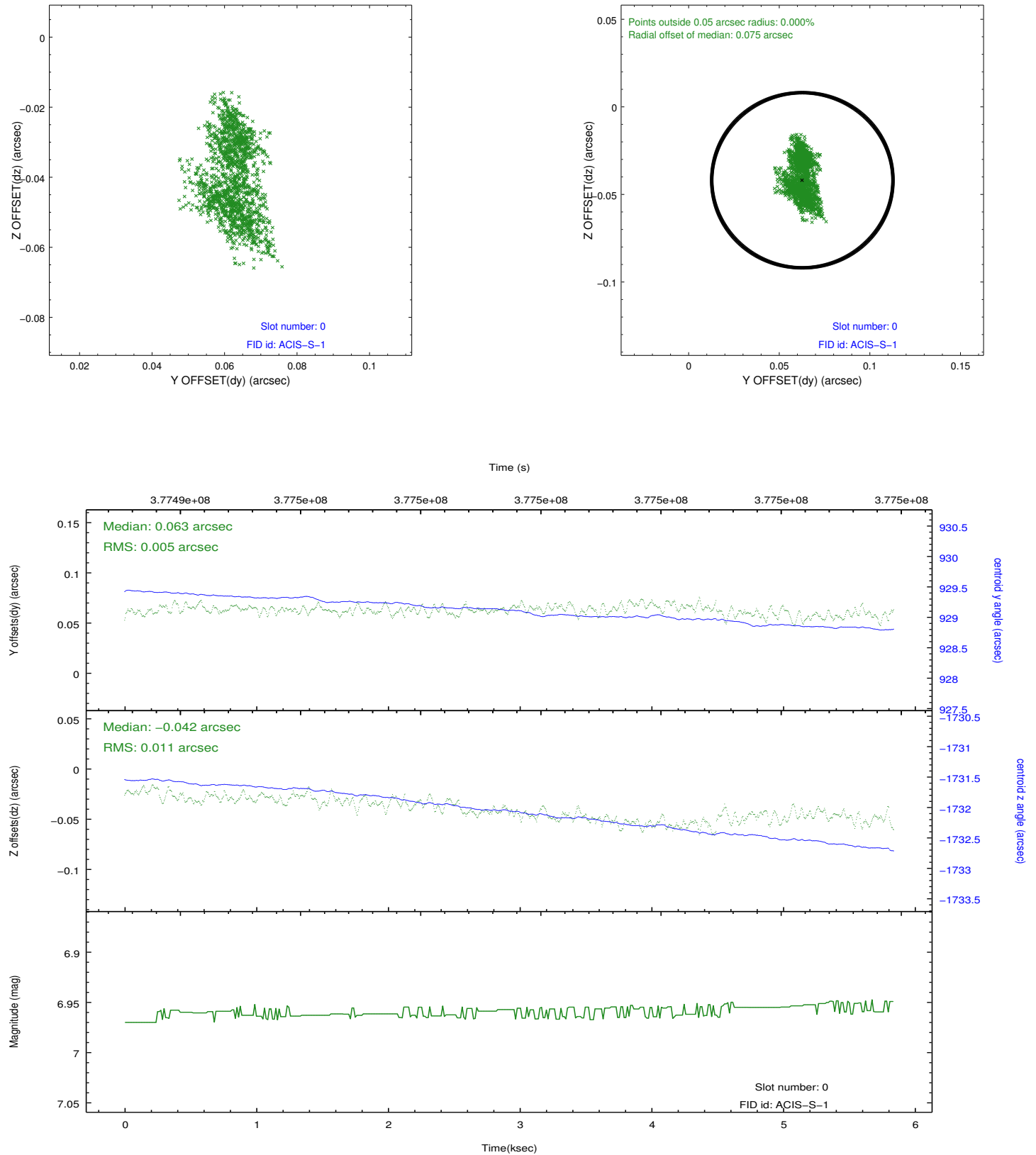


## 2.4.5 Slot 7

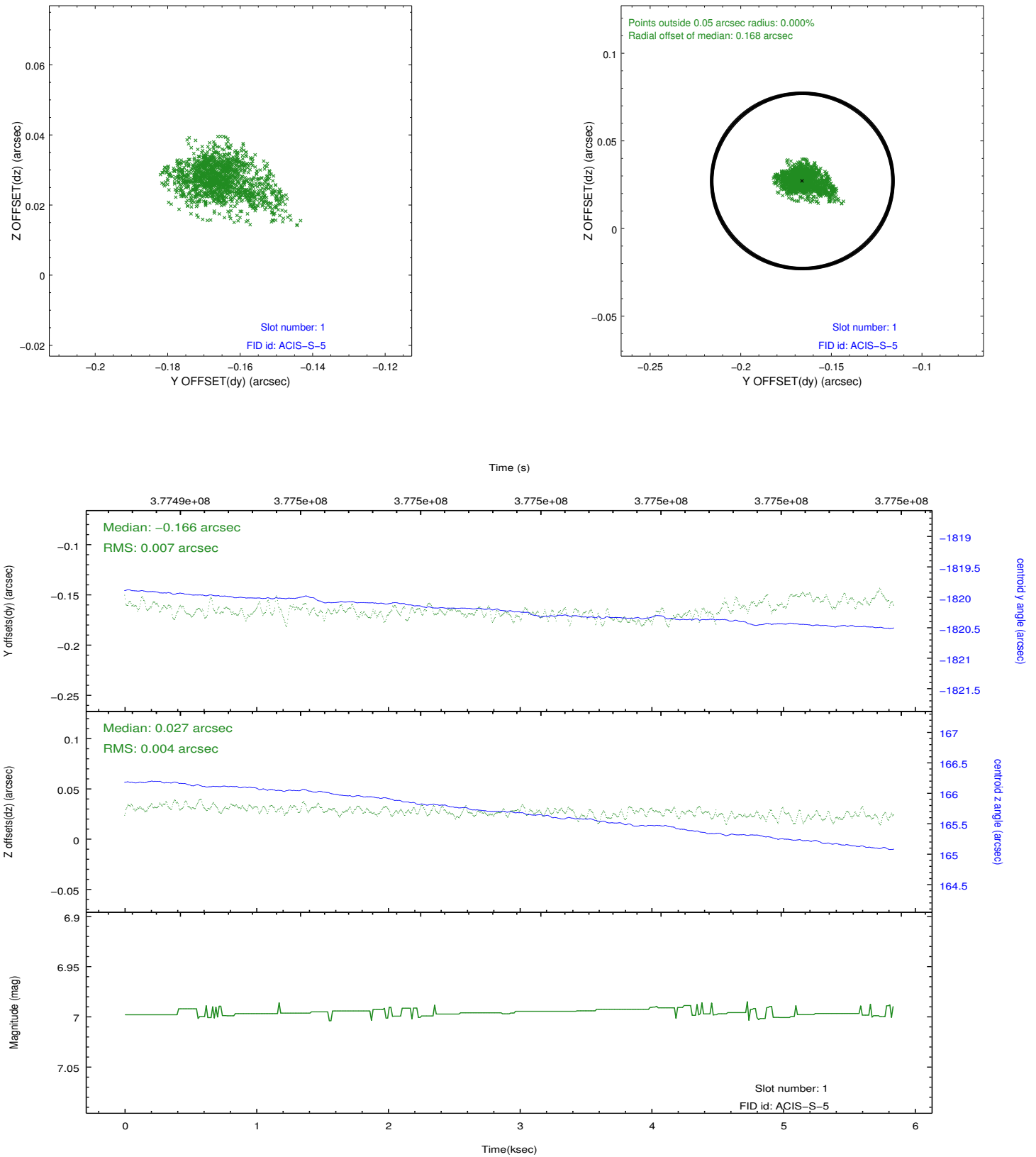


## 2.5 FID Slots

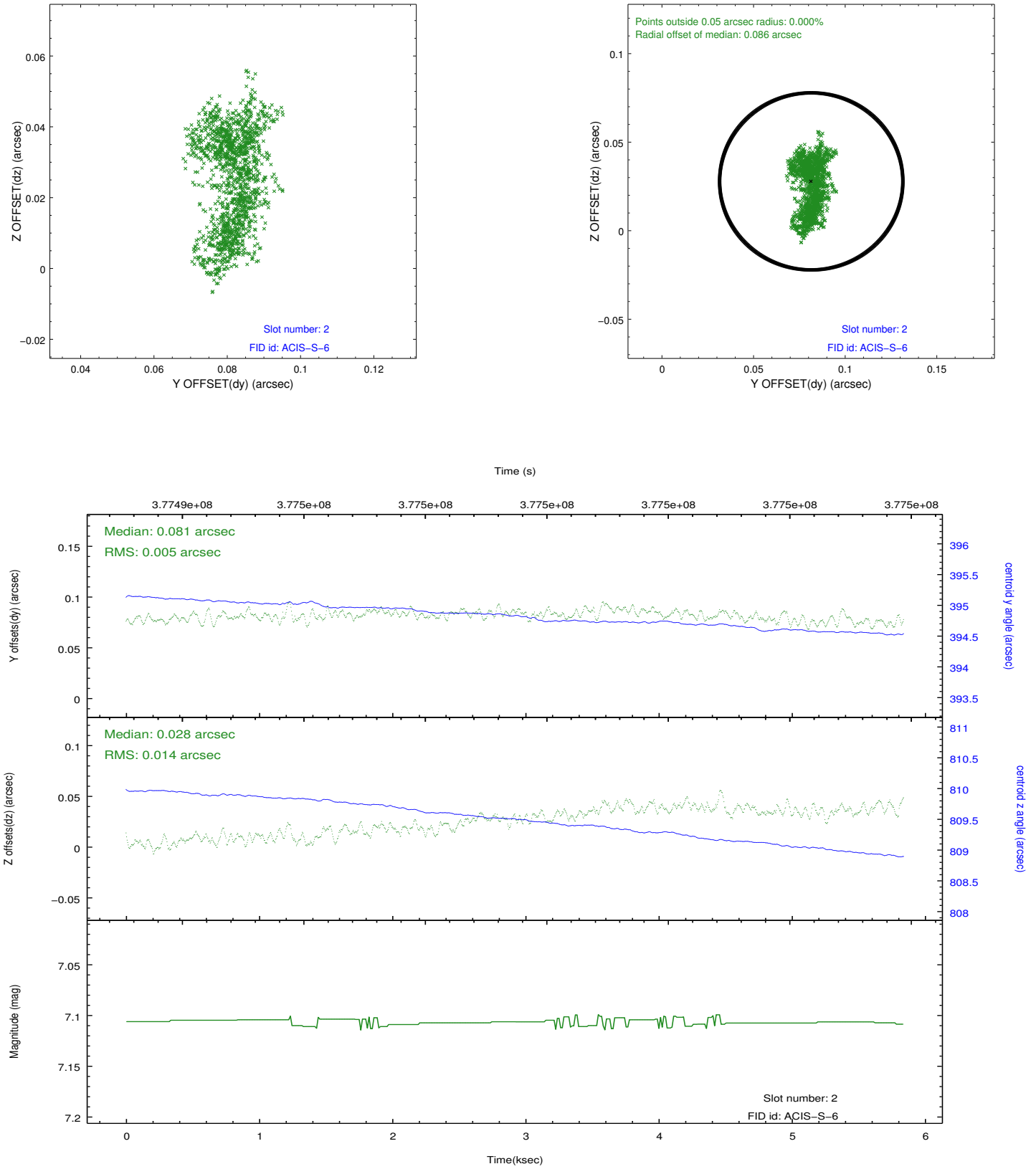
### 2.5.1 Slot 0



## 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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.7279999787211

### A.2 Comments

Joint Proposal: HST