

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4699 - L2 Version 3  
Chandra X-Ray Center

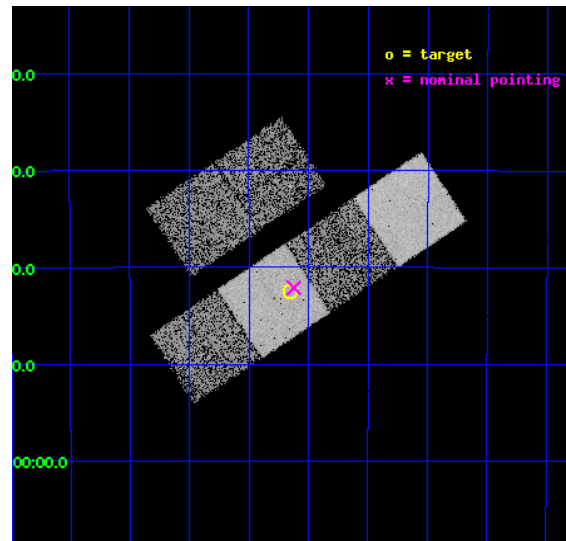
L2 Processing Date : Nov 30 2012

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# 1 Front

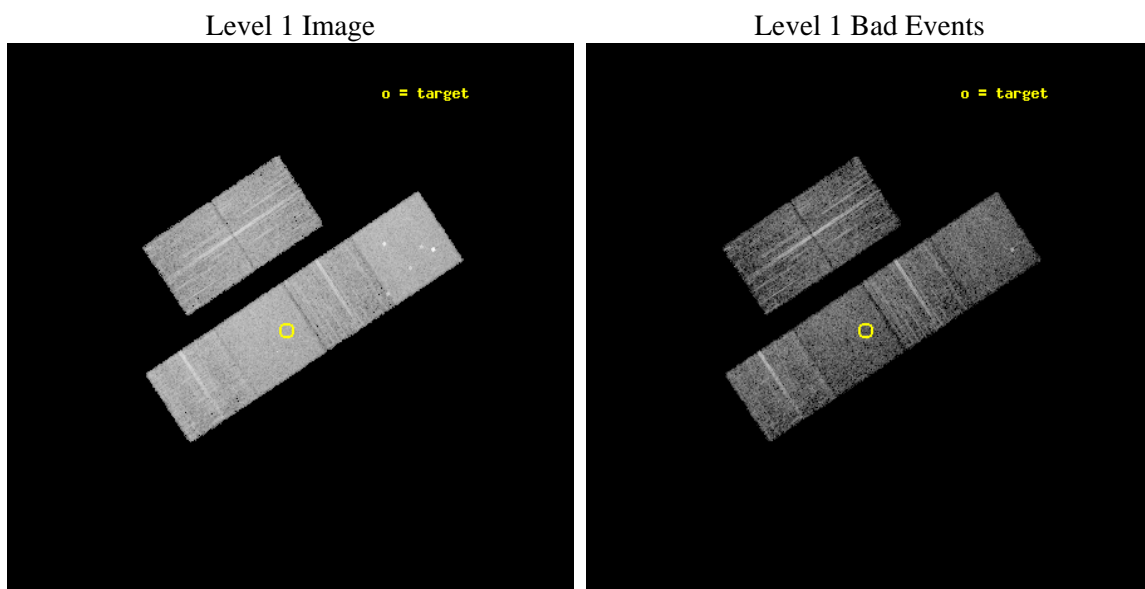
seq_num	600354	Sequence number
obs_id	4699	Observation id
title	Using the Sculptor Dwarf Spheroidal Galaxy to Constrain X-ray Binary Production in Population II	Proposal title
observer	Dr Thomas Maccarone	Principal investigator
object	SCULPTOR DWARF SPHEROIDAL	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	15.039167	Observer's specified target RA [deg]
dec_targ	-33.708889	Observer's specified target Dec [deg]
ra_nom	15.0306413648	Nominal RA [deg]
dec_nom	-33.702136882363	Nominal Dec [deg]
roll_nom	146.42163043063	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6355.199976325	Sum of GTIs [s]
livetime	6274.7266075828	Livetime [s]
ontime2	6355.199976325	Sum of GTIs [s]
ontime3	6355.199976325	Sum of GTIs [s]
ontime5	6355.199976325	Sum of GTIs [s]
ontime6	6355.199976325	Sum of GTIs [s]
ontime7	6355.199976325	Sum of GTIs [s]
ontime8	6355.199976325	Sum of GTIs [s]
l2events	73271	Number of level 2 events



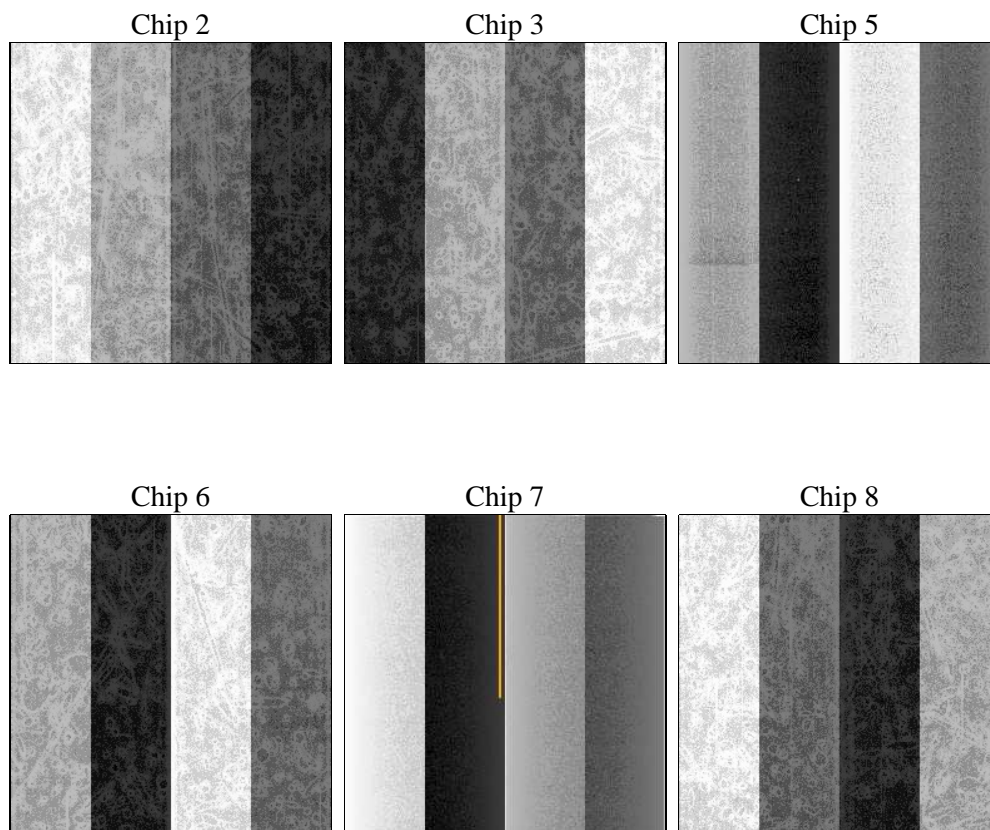
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6355.199976325	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime2	6355.199976325	Sum of GTIs [s]
date	2012-12-01T00:34:17	Date and time of file creation	ontime3	6355.199976325	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	6355.199976325	Sum of GTIs [s]
			ontime6	6355.199976325	Sum of GTIs [s]
			ontime7	6355.199976325	Sum of GTIs [s]
			ontime8	6355.199976325	Sum of GTIs [s]
			l1events	371438	Number of level 1 events

### 2.1.4 Events

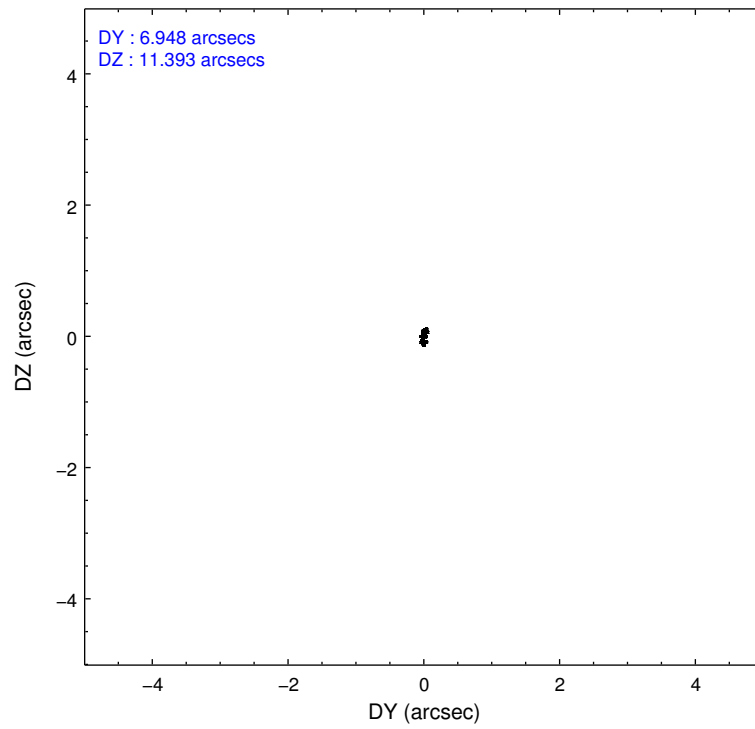
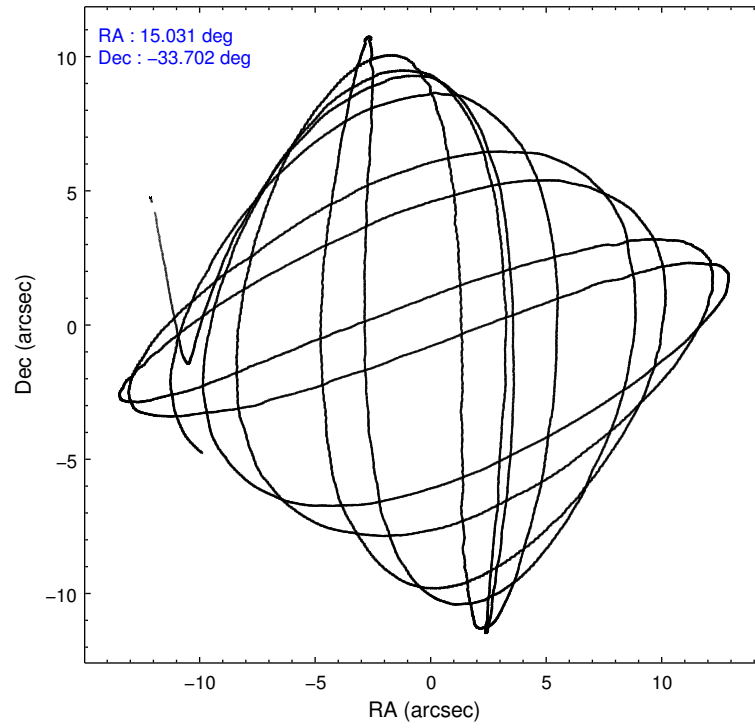
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	54511	50578	78879	53499	69124	64847	grade 0 events	2711	2562	4733	2436	2641	4291
rejected events	48982	45267	46408	48138	43699	52587		4%	5%	6%	4%	3%	6%
rejected %	89%	89%	58%	89%	63%	81%	grade 1 events	38	27	398	30	70	42
								0%	0%	0%	0%	0%	0%
							grade 2 events	1341	1151	10905	1181	5627	3063
								2%	2%	13%	2%	8%	4%
							grade 3 events	603	629	1457	647	2516	1385
								1%	1%	1%	1%	3%	2%
							grade 4 events	574	611	1336	610	2513	1317
								1%	1%	1%	1%	3%	2%
							grade 5 events	2141	2224	5550	2421	6654	3124
								3%	4%	7%	4%	9%	4%
							grade 6 events	1061	1026	18256	1228	15353	3703
								1%	2%	23%	2%	22%	5%
							grade 7 events	46042	42348	36244	44946	33750	47922
								84%	83%	45%	84%	48%	73%

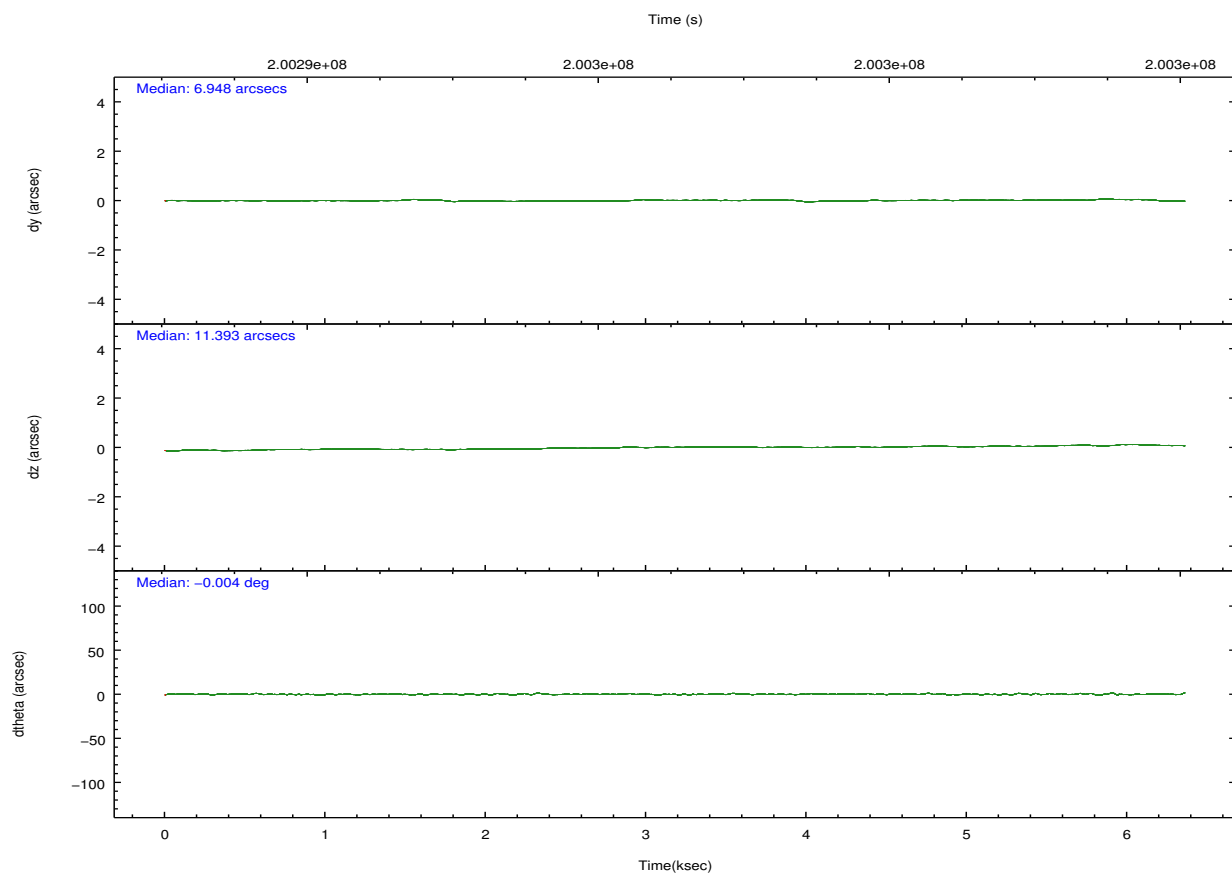
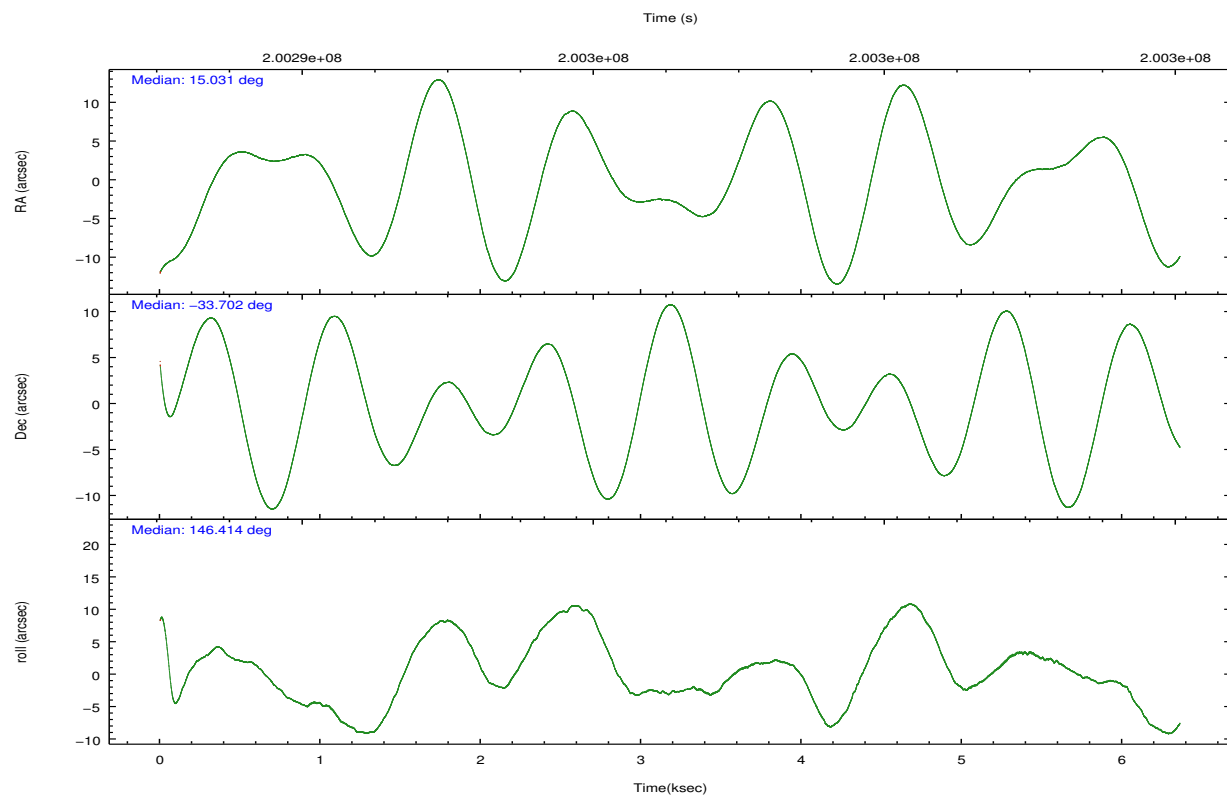


## 2.2 Compared Parameters

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	15.063456	15.03064136479964	Subarray requested	NONE	NONE
[deg] Pointing Dec	-33.703541	-33.70213688236309	Alternating exposures requested	N	N
[deg] Pointing Roll	146.283183	146.4216304306341	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	200293509.184000	200292038.6171			
Observation start date	2004-05-07T05:04:05	2004-05-07T04:40:38			
[s] Observation end time (MET)	200299709.184000	200300464.62997			
Observation end date	2004-05-07T06:47:25	2004-05-07T07:01:04			
Read mode	TIMED	TIMED			

## 2.3 Aspect



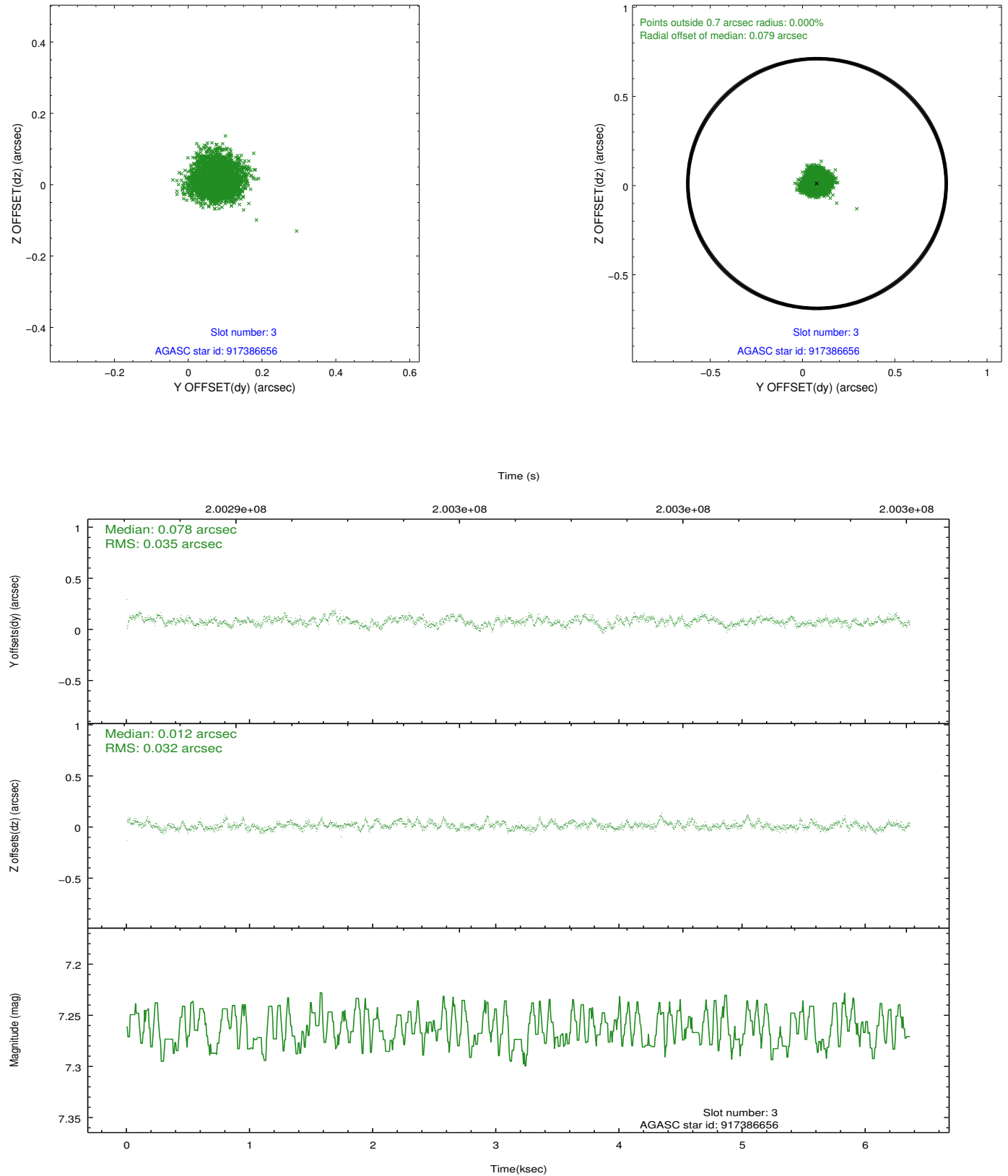


### Slot Statistics

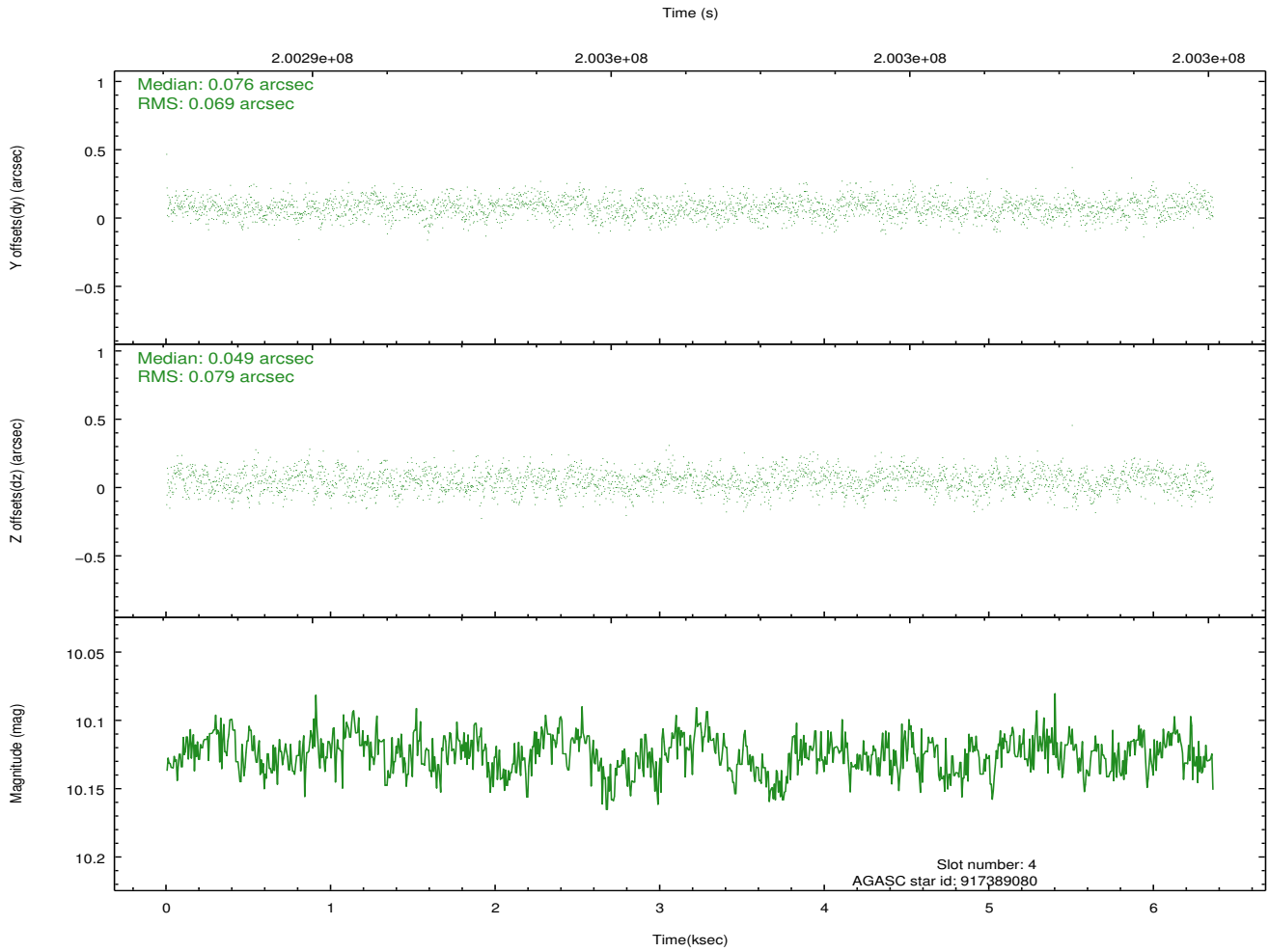
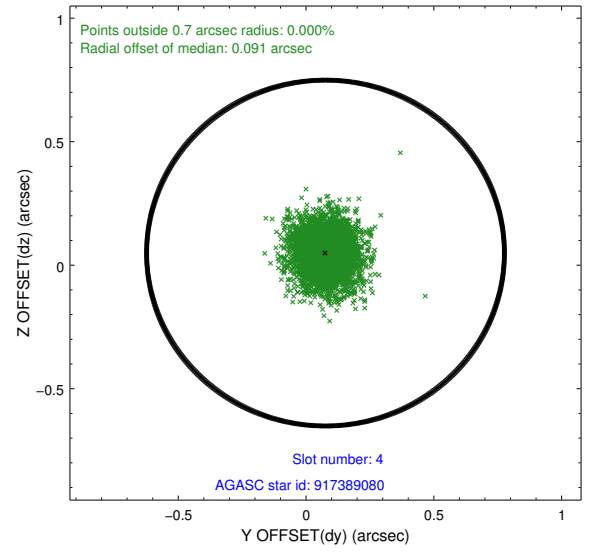
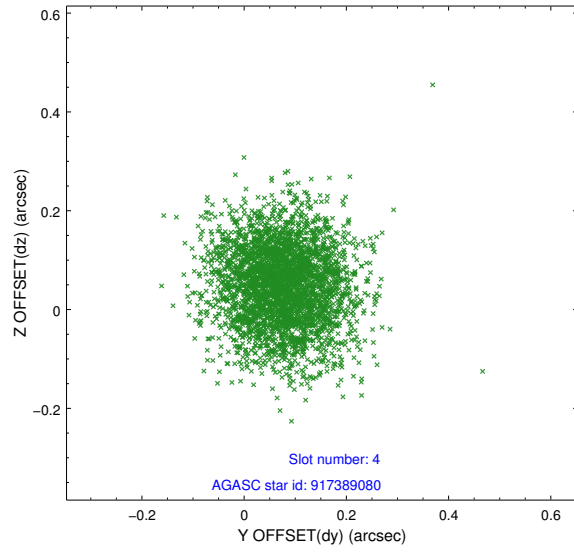
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1552	-0.036	-0.023	0.006	0.011	0.000000	0.000000	-759.72	-1732.69
1	FID	ACIS-S-4	7.20	1552	0.042	0.010	0.006	0.010	0.000000	0.000000	2153.20	174.89
2	FID	ACIS-S-6	7.34	1552	-0.034	0.020	0.007	0.011	0.000000	0.000000	403.43	813.34
3	GUIDE	917386656	7.26	3102	0.078	0.012	0.050	0.080	15.342124	-33.359890	-10.73	-1493.14
4	GUIDE	917389080	10.12	3099	0.076	0.049	0.112	0.182	15.722484	-33.662555	-1564.01	-1214.14
5	GUIDE	917389288	9.57	3100	0.014	0.225	0.104	0.168	15.394706	-33.185862	203.10	-2102.73
6	GUIDE	917650528	8.72	3102	-0.144	-0.195	0.081	0.127	14.274554	-33.869842	1623.67	1813.97
7	GUIDE	917651768	9.63	3099	-0.022	-0.099	0.118	0.183	14.115744	-33.817552	2122.68	1926.60

## 2.4 Star Slots

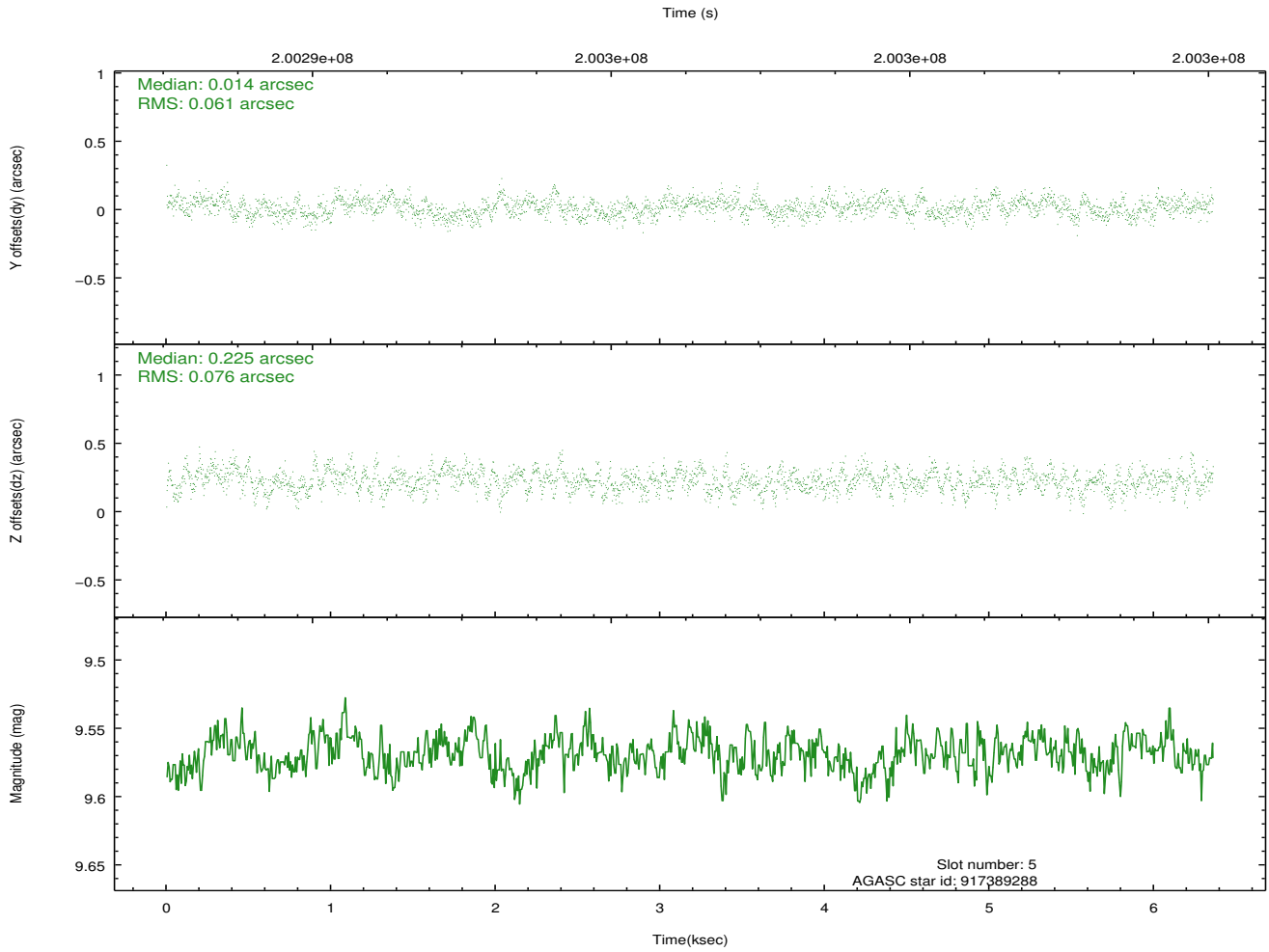
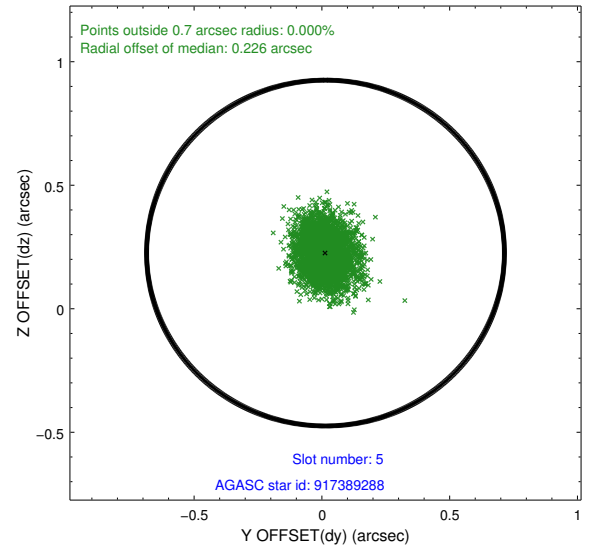
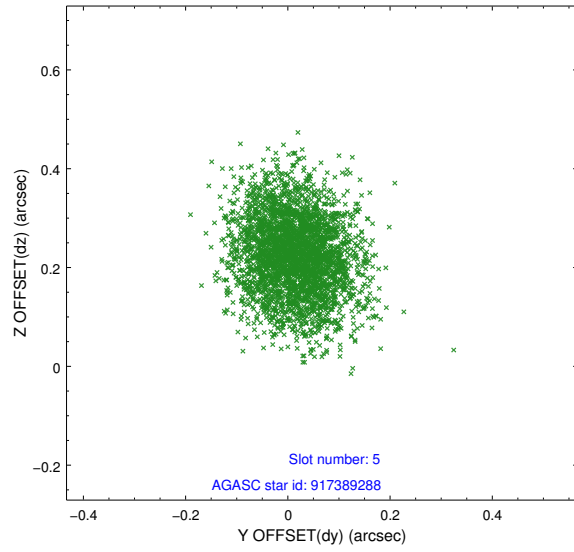
### 2.4.1 Slot 3



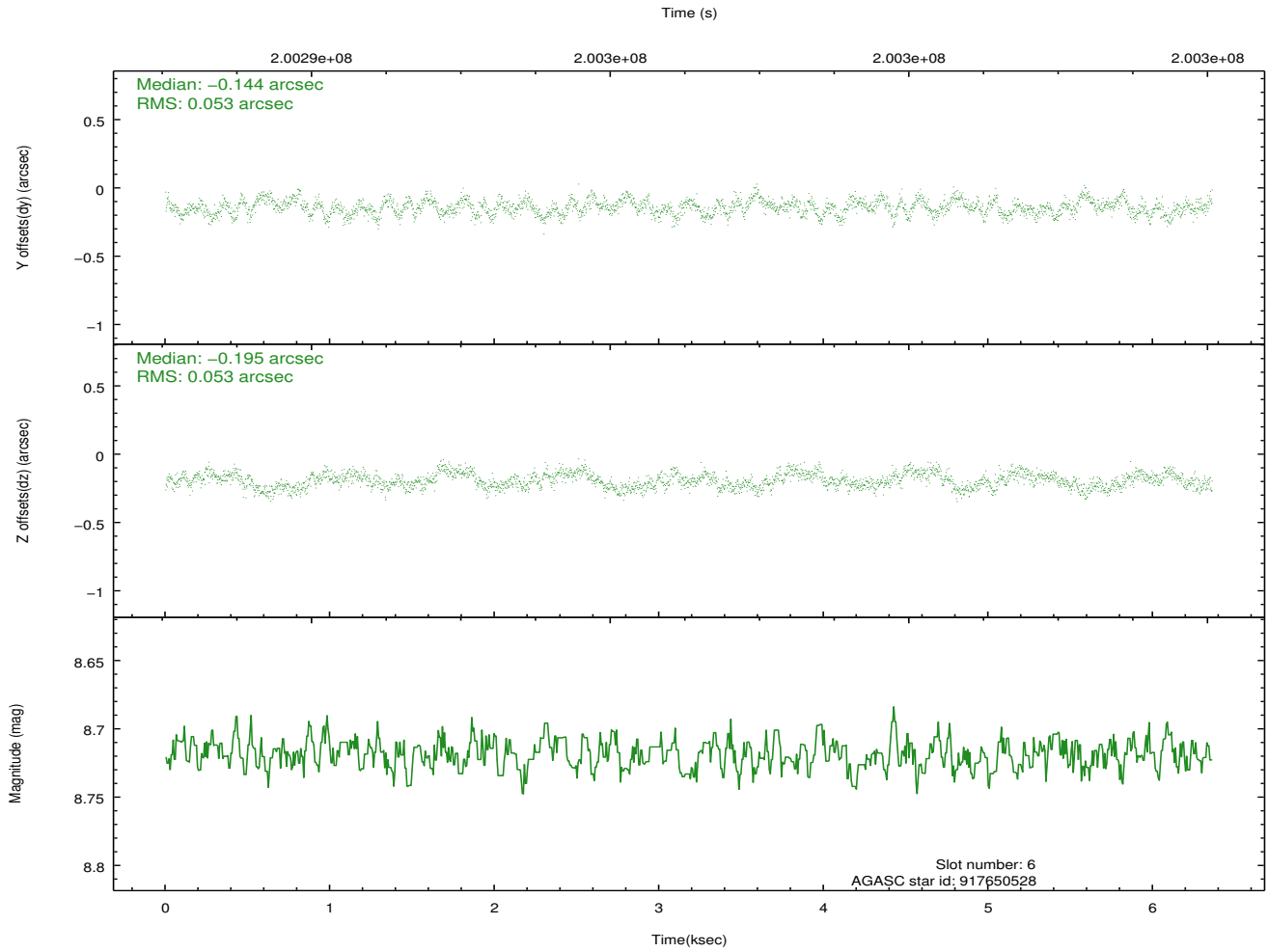
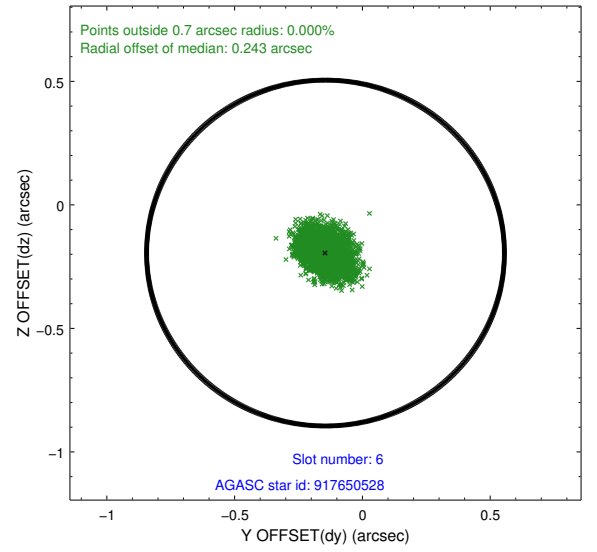
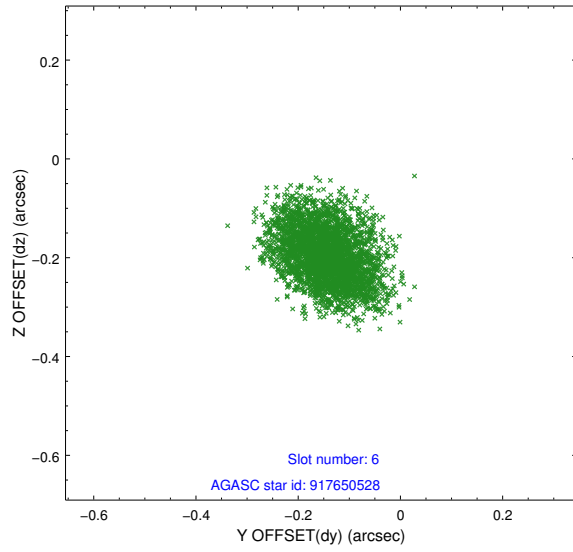
## 2.4.2 Slot 4



### 2.4.3 Slot 5

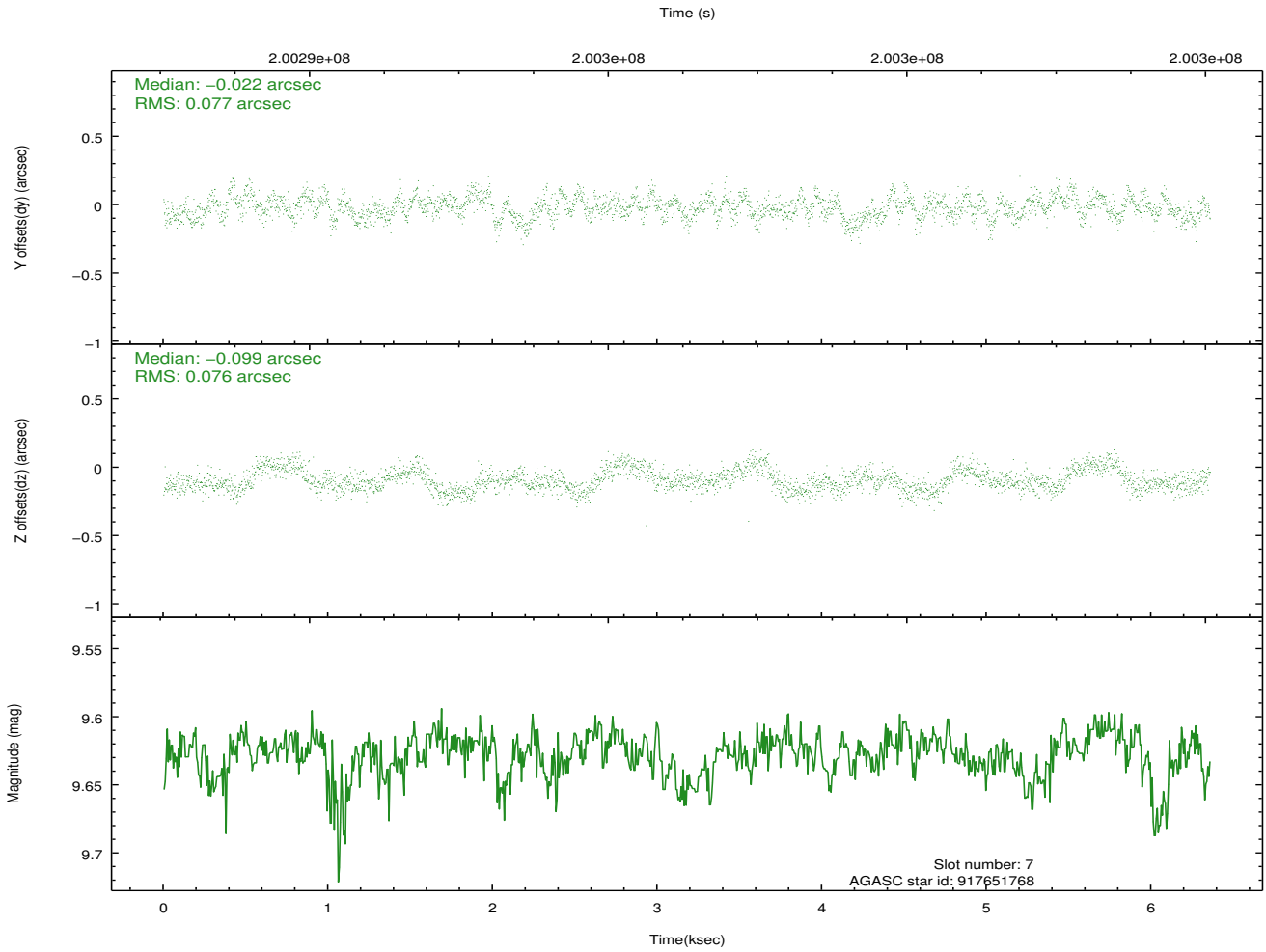
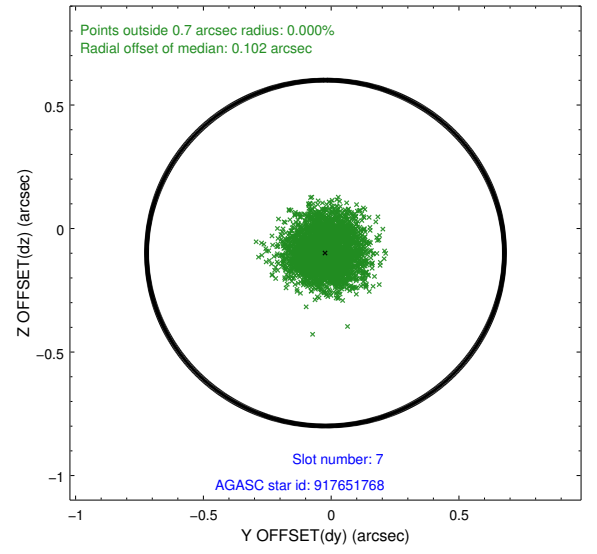
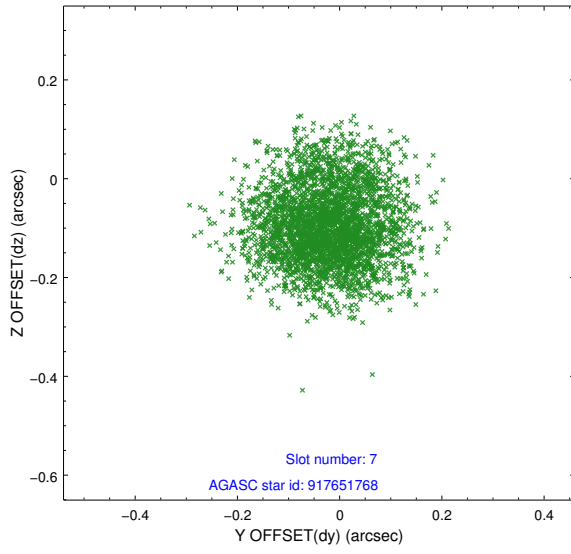


## 2.4.4 Slot 6



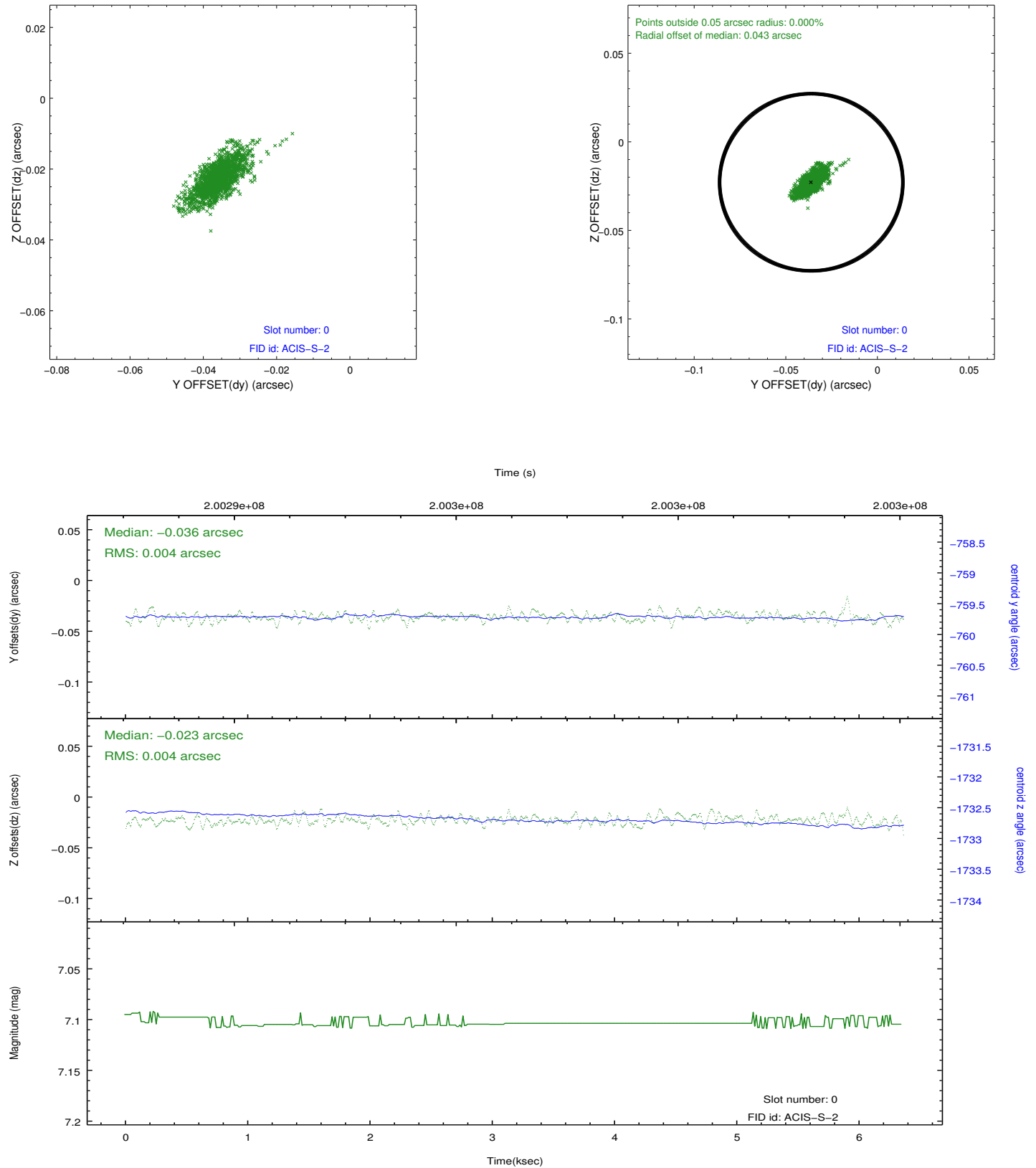


## 2.4.5 Slot 7

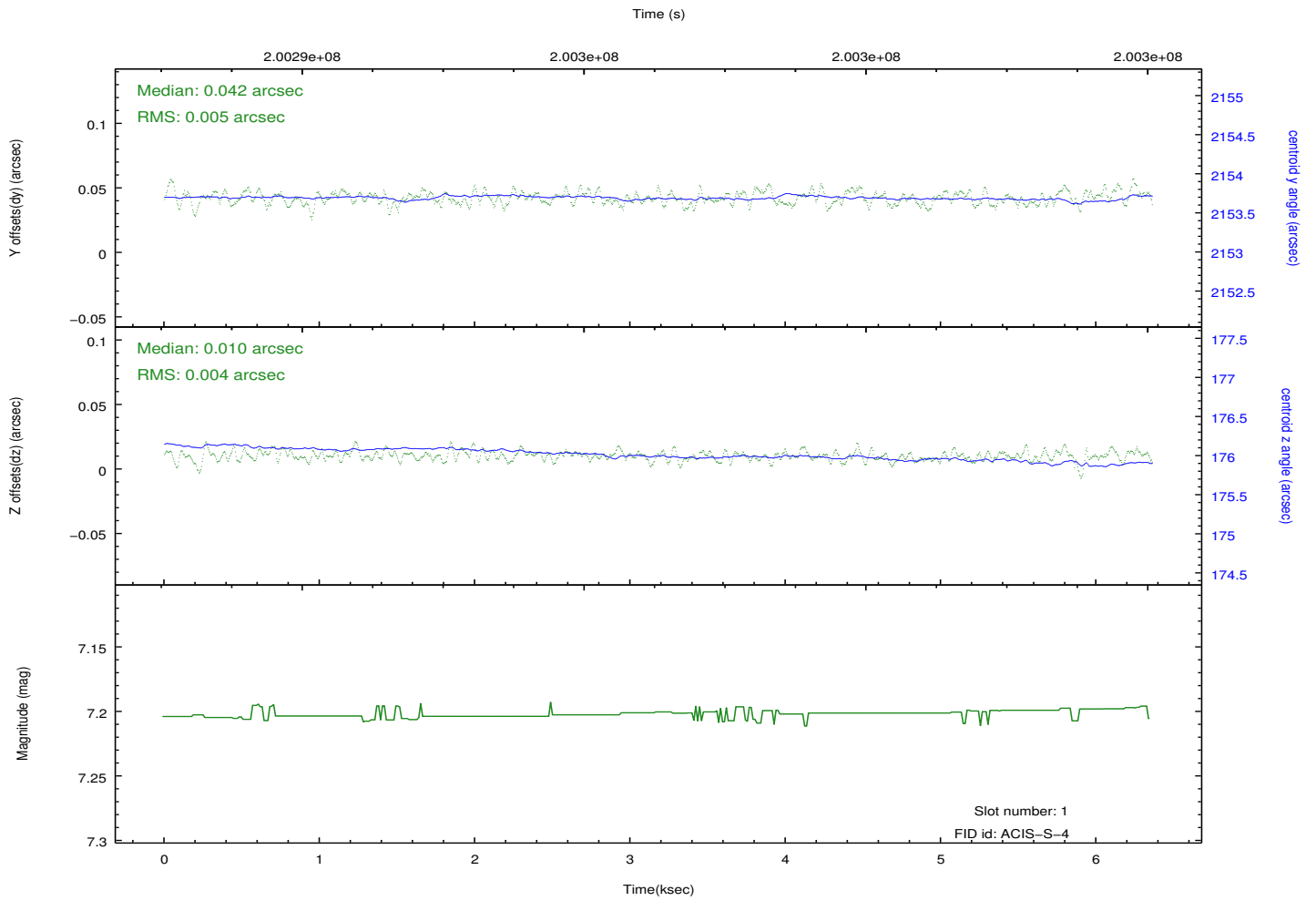
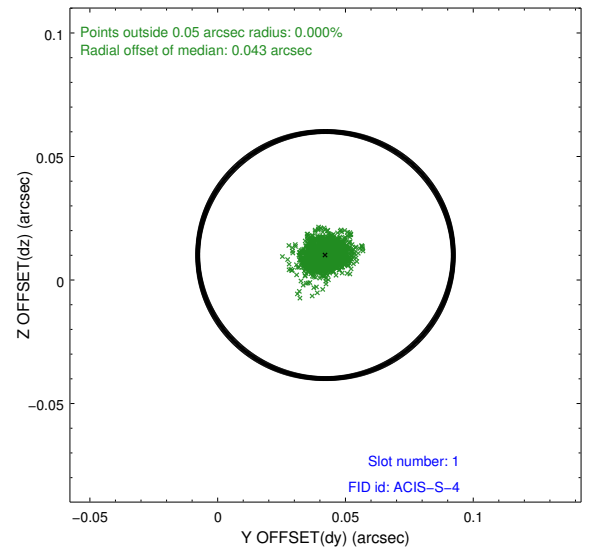
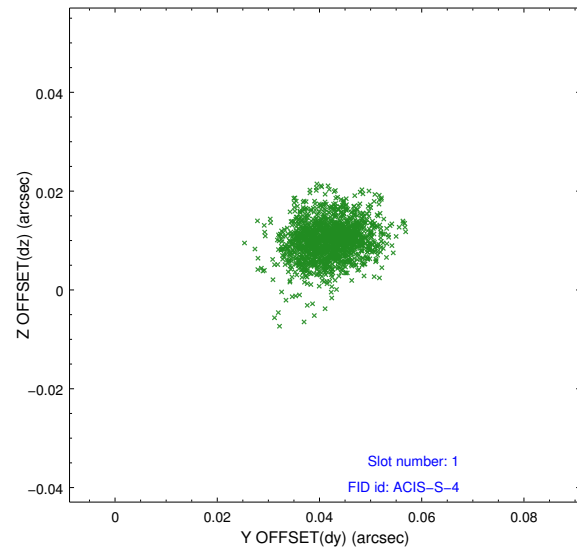


## 2.5 FID Slots

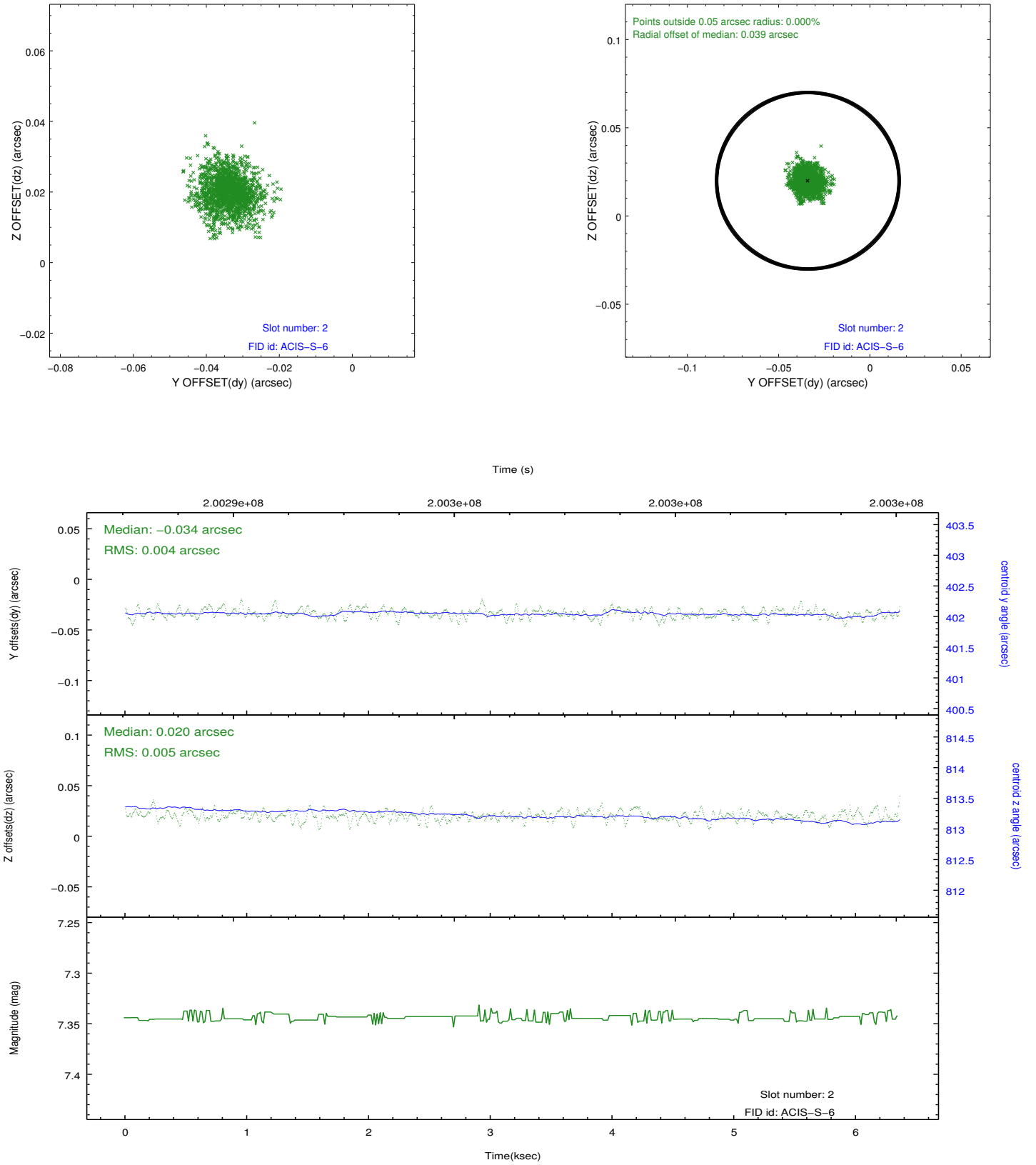
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.355

## A.2 Comments

Joint Proposal: NOAO