

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9316 - L2 Version 2  
Chandra X-Ray Center

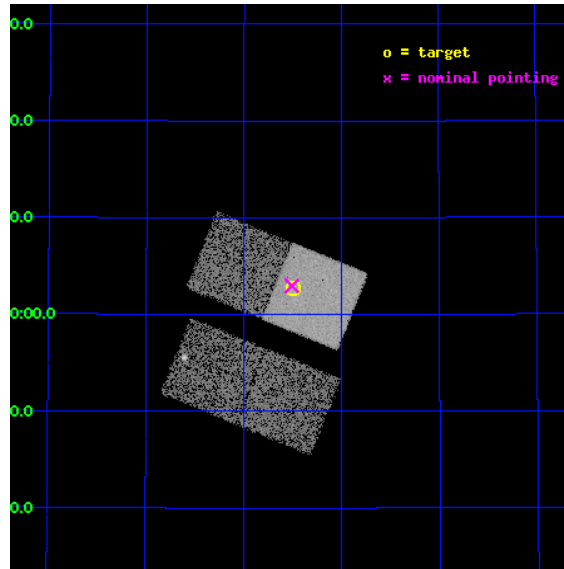
L2 Processing Date : May 29 2012

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# 1 Front

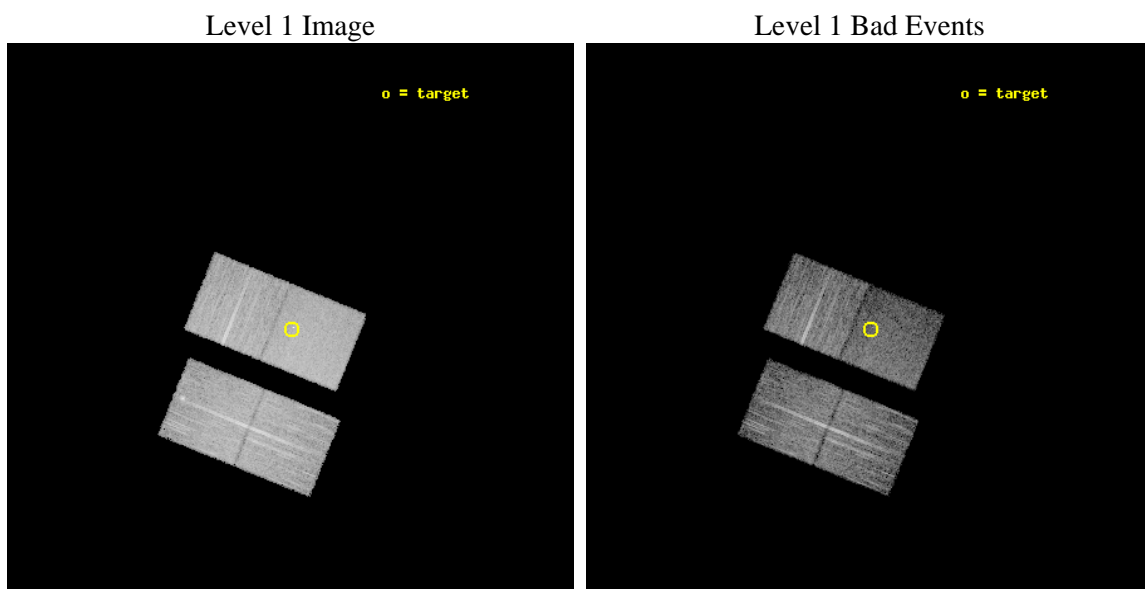
seq_num	701756	Sequence number
obs_id	9316	Observation id
title	Towards a Complete Sample: 3CR Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C349	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	254.872917	Observer's specified target RA [deg]
dec_targ	47.045583	Observer's specified target Dec [deg]
ra_nom	254.8771011291	Nominal RA [deg]
dec_nom	47.049489937651	Nominal Dec [deg]
roll_nom	22.02914687479	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8125.1000624895	Sum of GTIs [s]
livetime	8018.9396485614	Livetime [s]
ontime2	8118.8180918097	Sum of GTIs [s]
ontime3	8125.1000624895	Sum of GTIs [s]
ontime6	8121.9590621591	Sum of GTIs [s]
ontime7	8125.1000624895	Sum of GTIs [s]
l2events	52587	Number of level 2 events



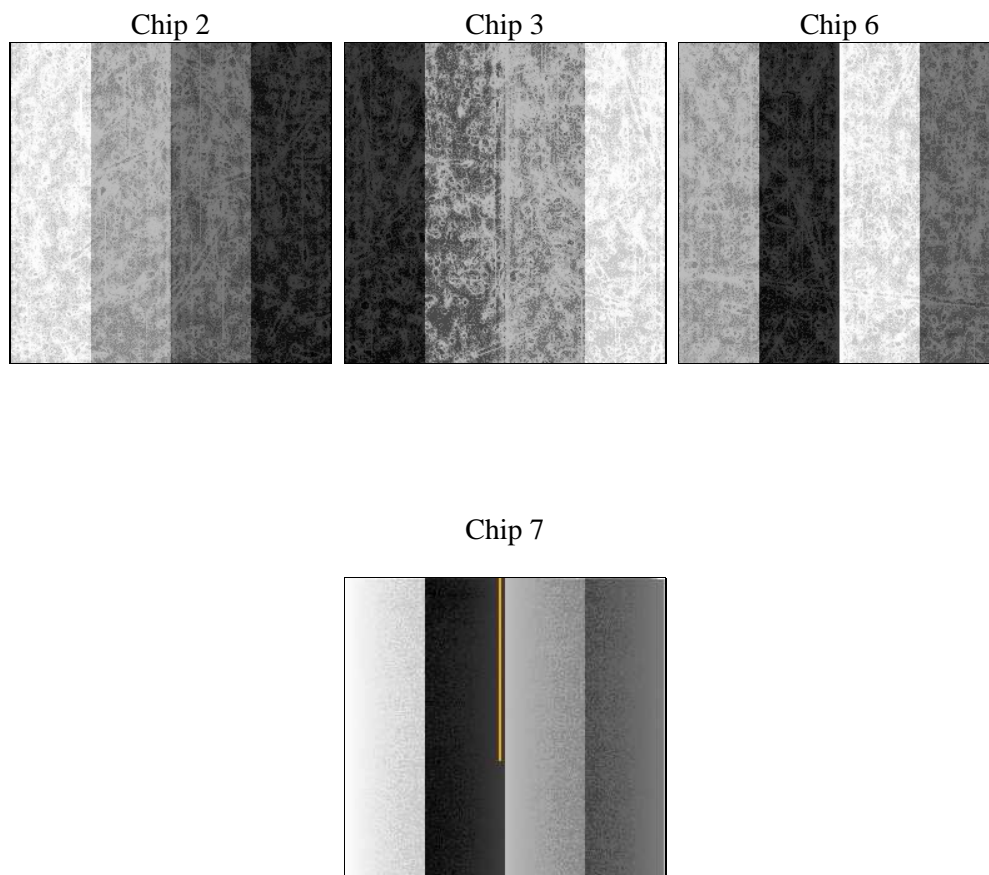
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8125.1000624895	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	8118.8180918097	Sum of GTIs [s]
date	2012-05-29T14:54:45	Date and time of file creation	ontime3	8125.1000624895	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8121.9590621591	Sum of GTIs [s]
			ontime7	8125.1000624895	Sum of GTIs [s]
			l1events	297956	Number of level 1 events

### 2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	71907	70153	73843	82053
rejected events	64665	63741	66590	46061
rejected %	89%	90%	90%	56%

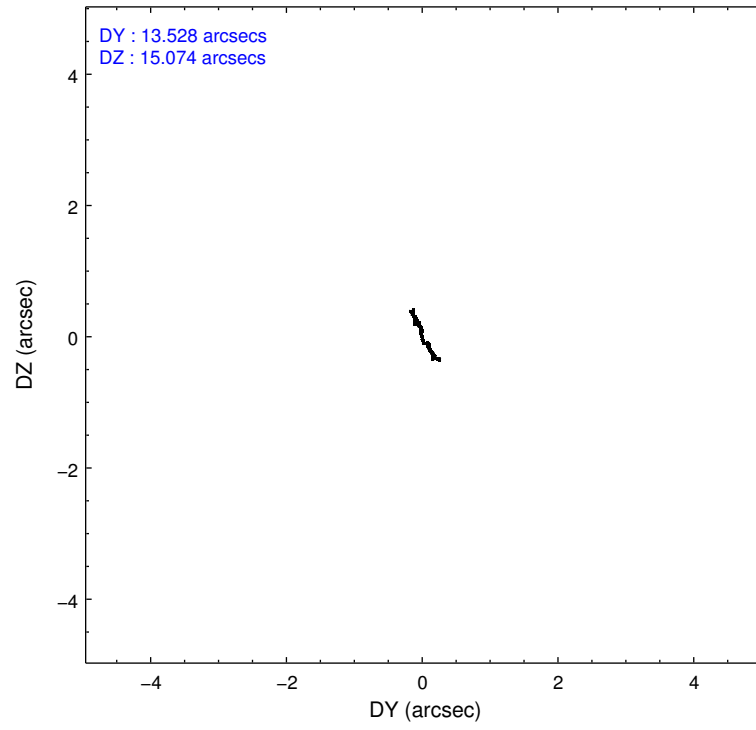
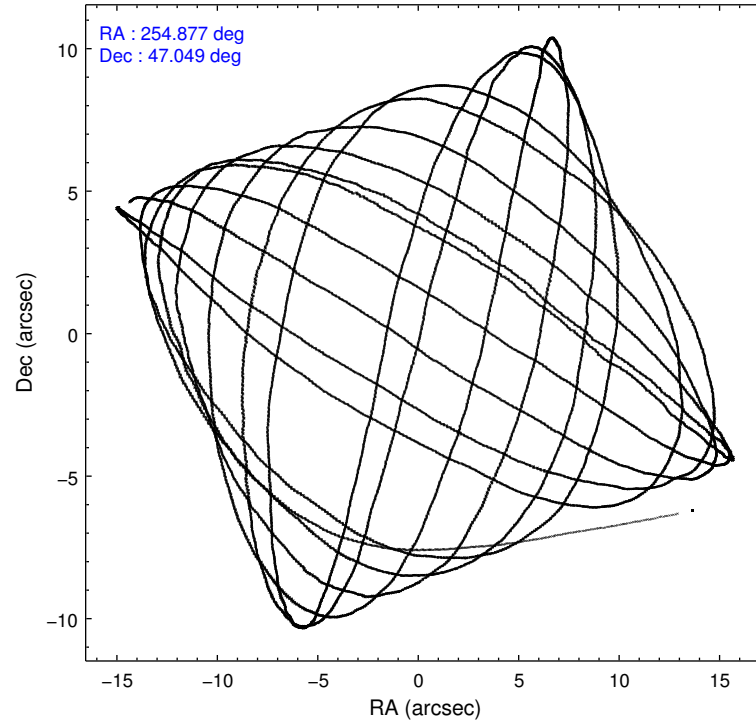
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2882	2337	2644	3527
	4%	3%	3%	4%
grade 1 events	39	49	40	108
	0%	0%	0%	0%
grade 2 events	1745	1446	1718	7775
	2%	2%	2%	9%
grade 3 events	786	767	790	3428
	1%	1%	1%	4%
grade 4 events	778	734	799	3477
	1%	1%	1%	4%
grade 5 events	2589	3005	3128	8643
	3%	4%	4%	10%
grade 6 events	1390	1404	1642	19417
	1%	2%	2%	23%
grade 7 events	61698	60411	63082	35678
	85%	86%	85%	43%

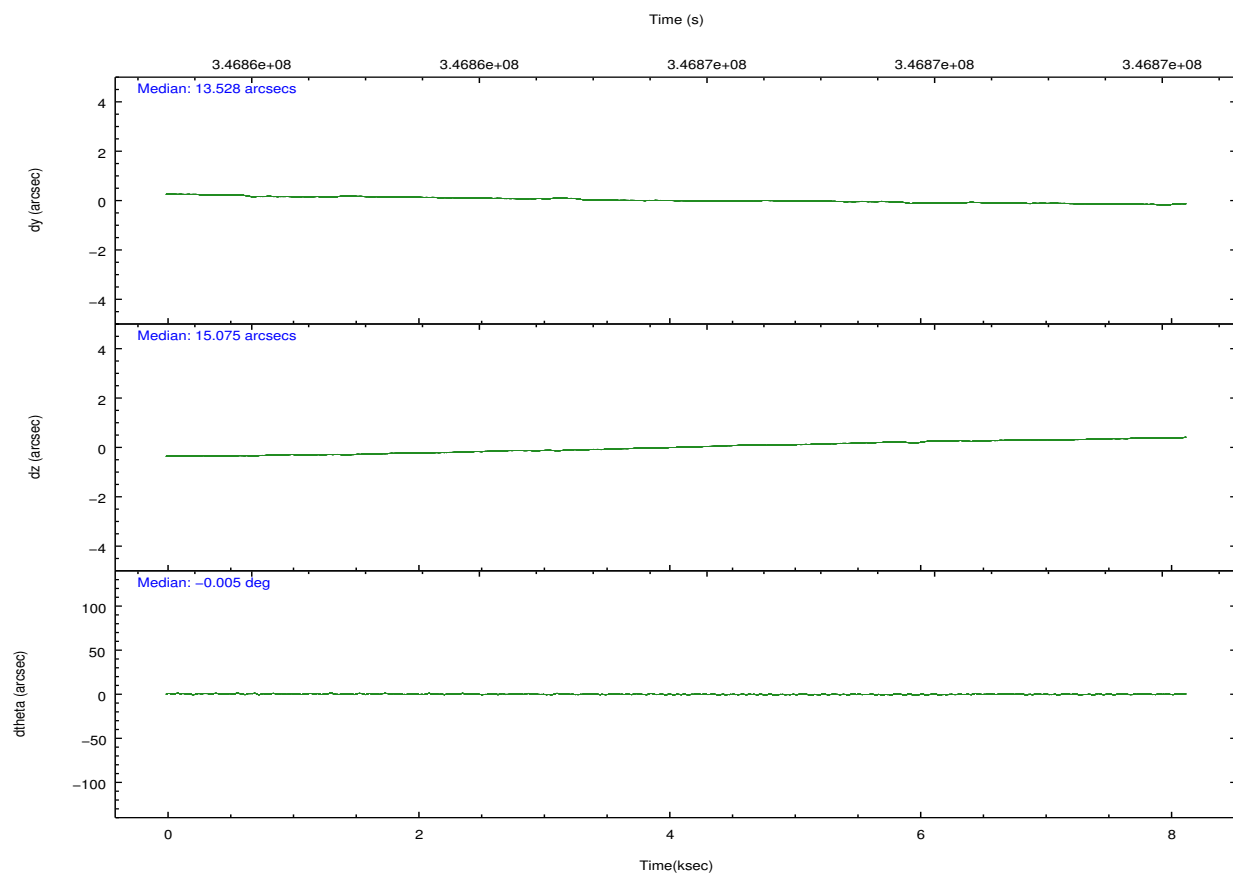
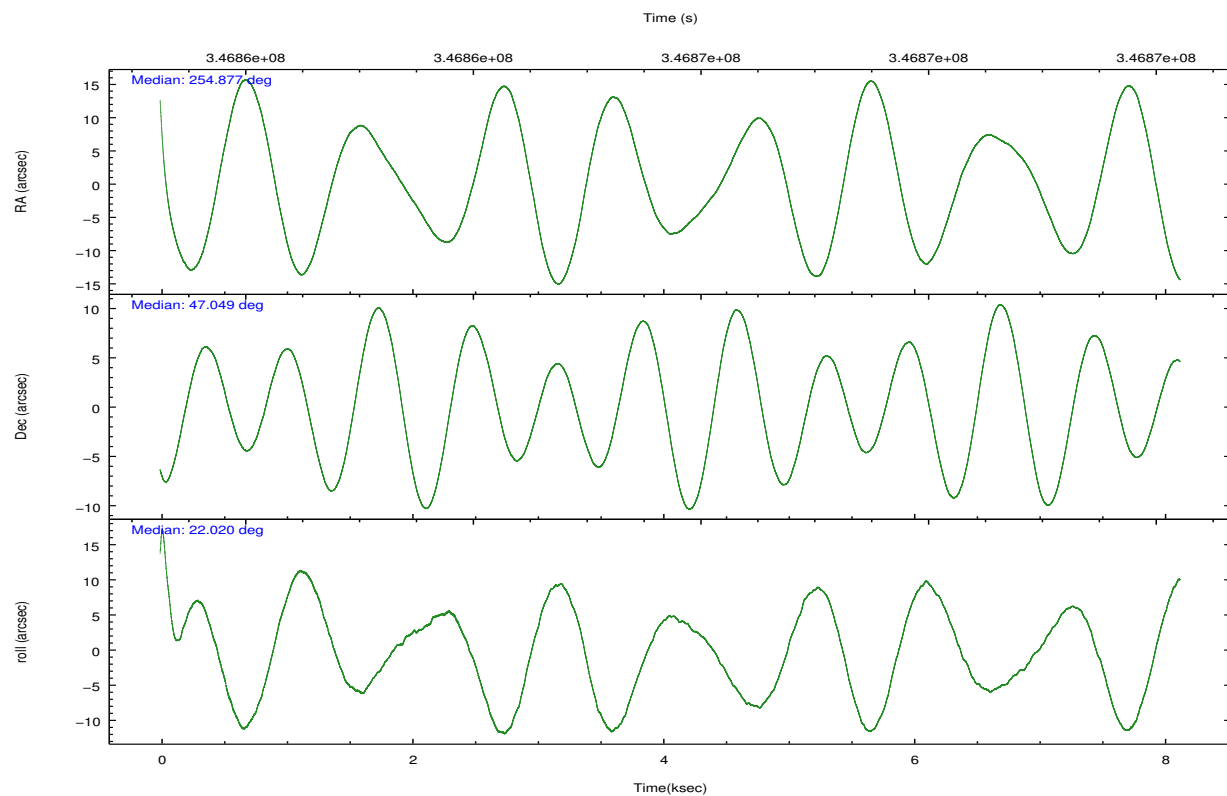


## 2.2 Compared Parameters

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	254.852884	254.8771011290961	Subarray requested	NONE	NONE
[deg] Pointing Dec	47.027700	47.04948993765114	Alternating exposures requested	N	N
[deg] Pointing Roll	21.890197	22.02914687479036	[s] Primary exposure time	0.000000	3.1
[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)	346861780.184000	346860633.89562			
Observation start date	2008-12-28T14:28:35	2008-12-28T14:10:33			
[s] Observation end time (MET)	346869780.184000	346870997.67113			
Observation end date	2008-12-28T16:41:55	2008-12-28T17:03:17			
Read mode	TIMED	TIMED			

## 2.3 Aspect



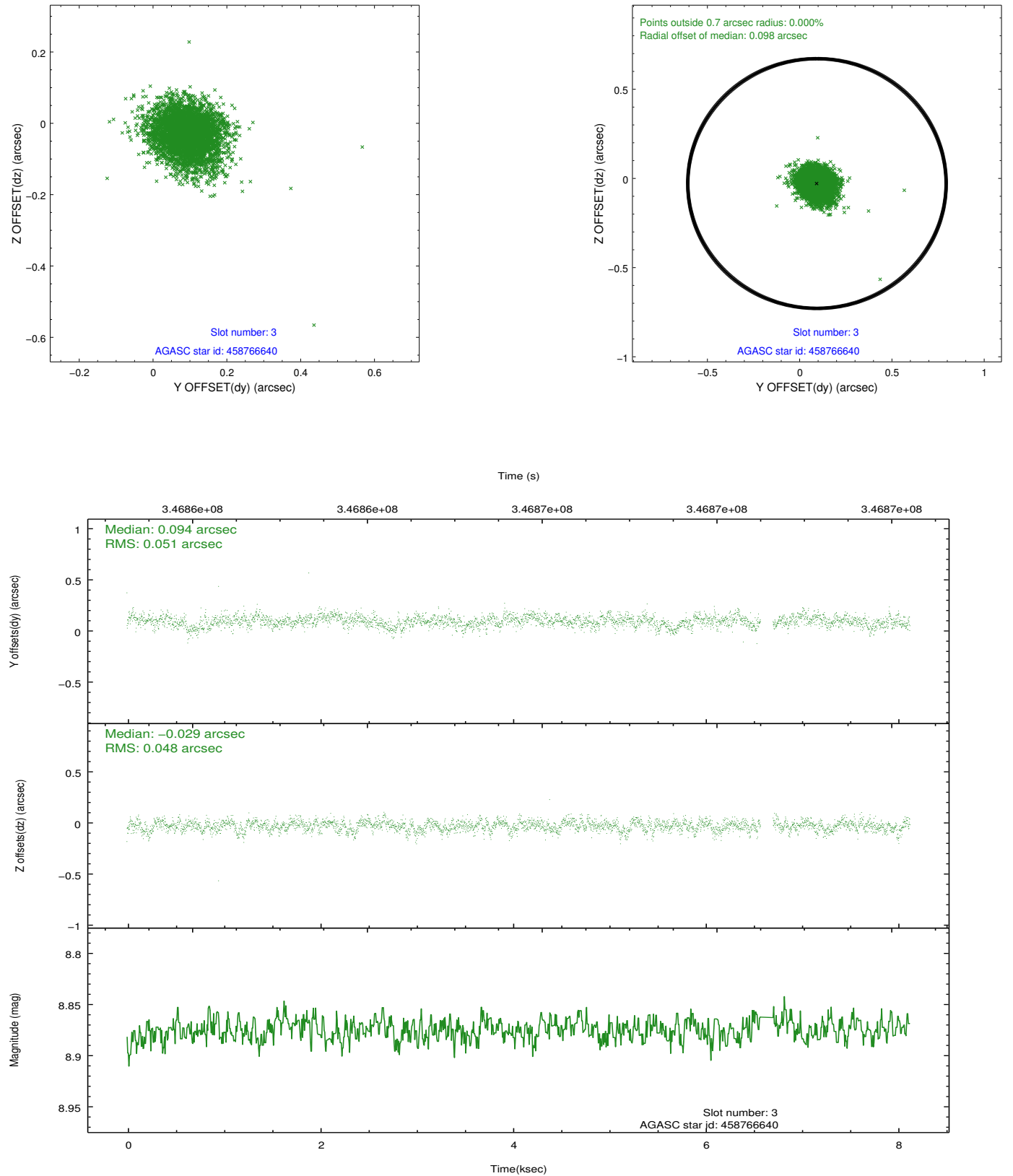


### Slot Statistics

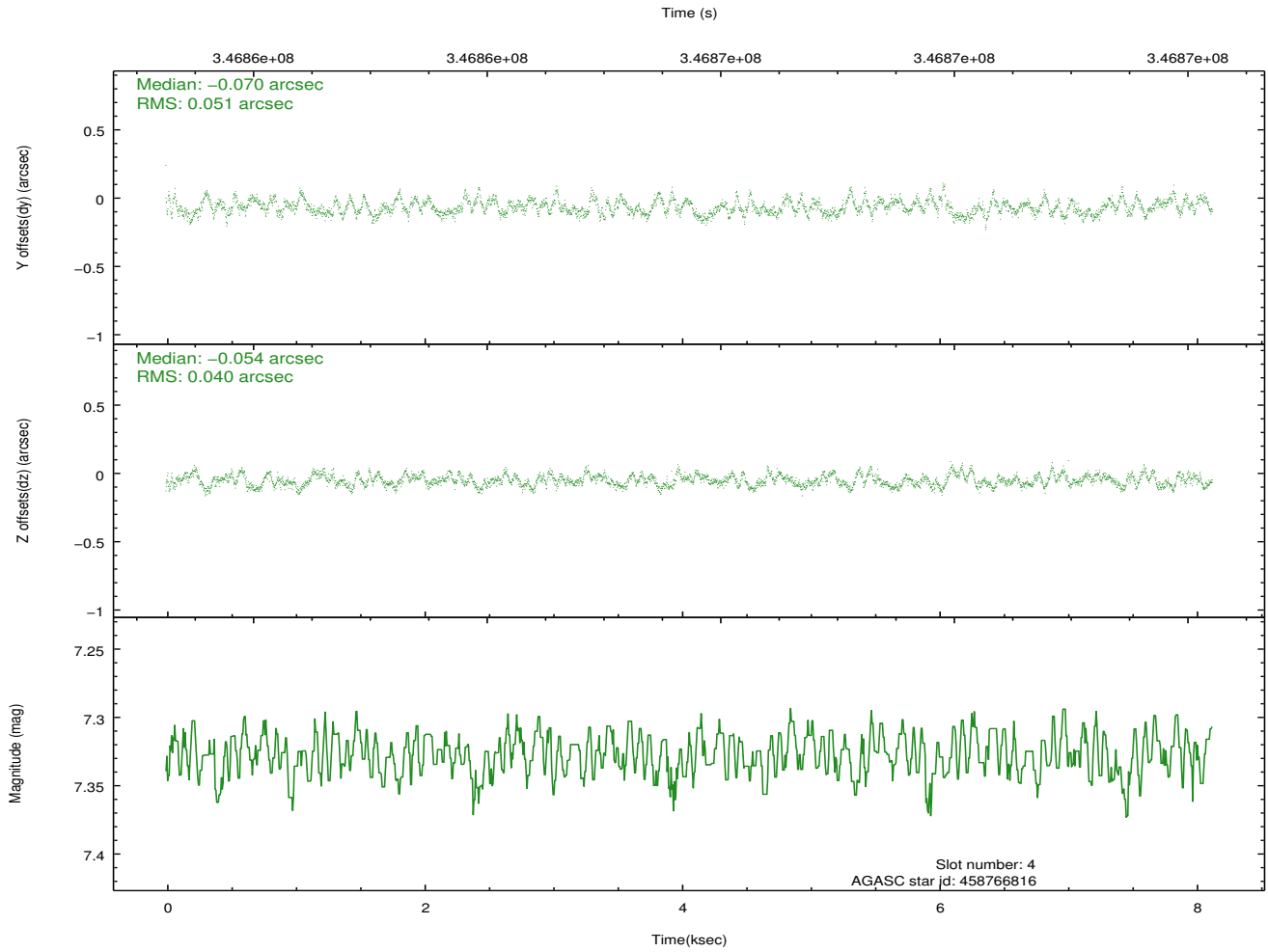
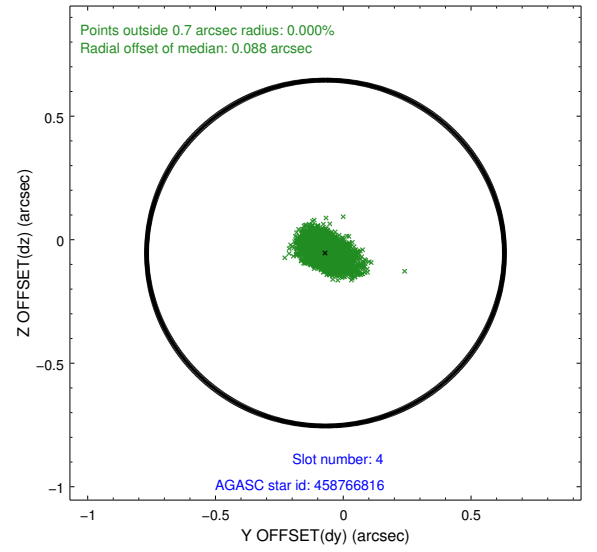
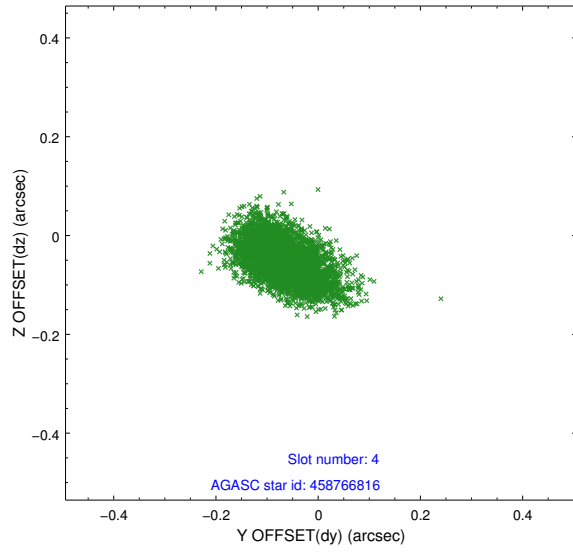
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	1983	-0.058	-0.015	0.010	0.015	0.000000	0.000000	-766.51	-1736.49
1	FID	ACIS-S-4	6.98	1983	0.183	0.032	0.009	0.016	0.000000	0.000000	2146.66	171.37
2	FID	ACIS-S-5	7.01	1983	-0.156	-0.008	0.008	0.013	0.000000	0.000000	-1818.60	165.72
3	GUIDE	458766640	8.88	3901	0.094	-0.029	0.072	0.119	254.378659	47.081197	-1004.89	615.07
4	GUIDE	458766816	7.33	3967	-0.070	-0.054	0.068	0.113	254.019009	47.370787	-1422.23	1914.59
5	GUIDE	458770512	8.98	3965	-0.011	0.171	0.085	0.134	254.353381	46.722901	-1551.31	-554.12
6	GUIDE	458887600	8.88	3966	-0.003	0.047	0.081	0.133	255.086092	46.871816	323.76	-733.60
7	GUIDE	458769184	7.76	3966	-0.011	-0.138	0.055	0.086	254.425953	47.362145	-516.11	1510.37

## 2.4 Star Slots

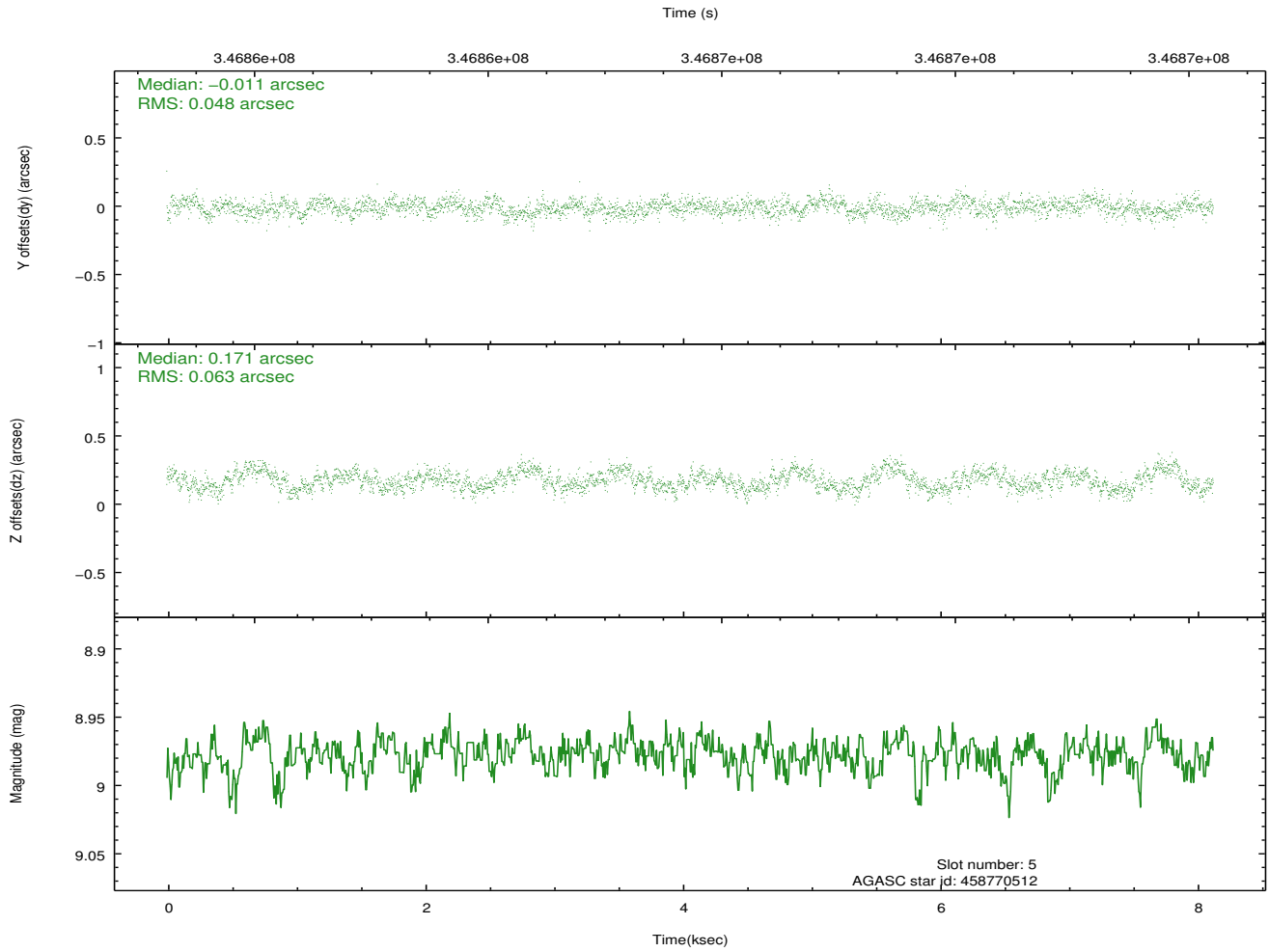
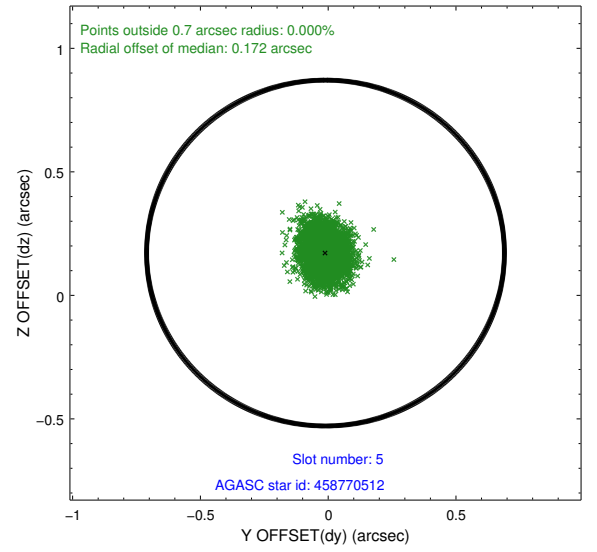
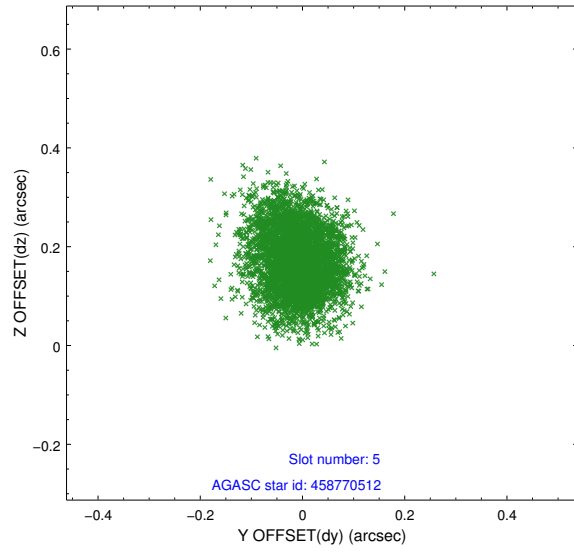
### 2.4.1 Slot 3



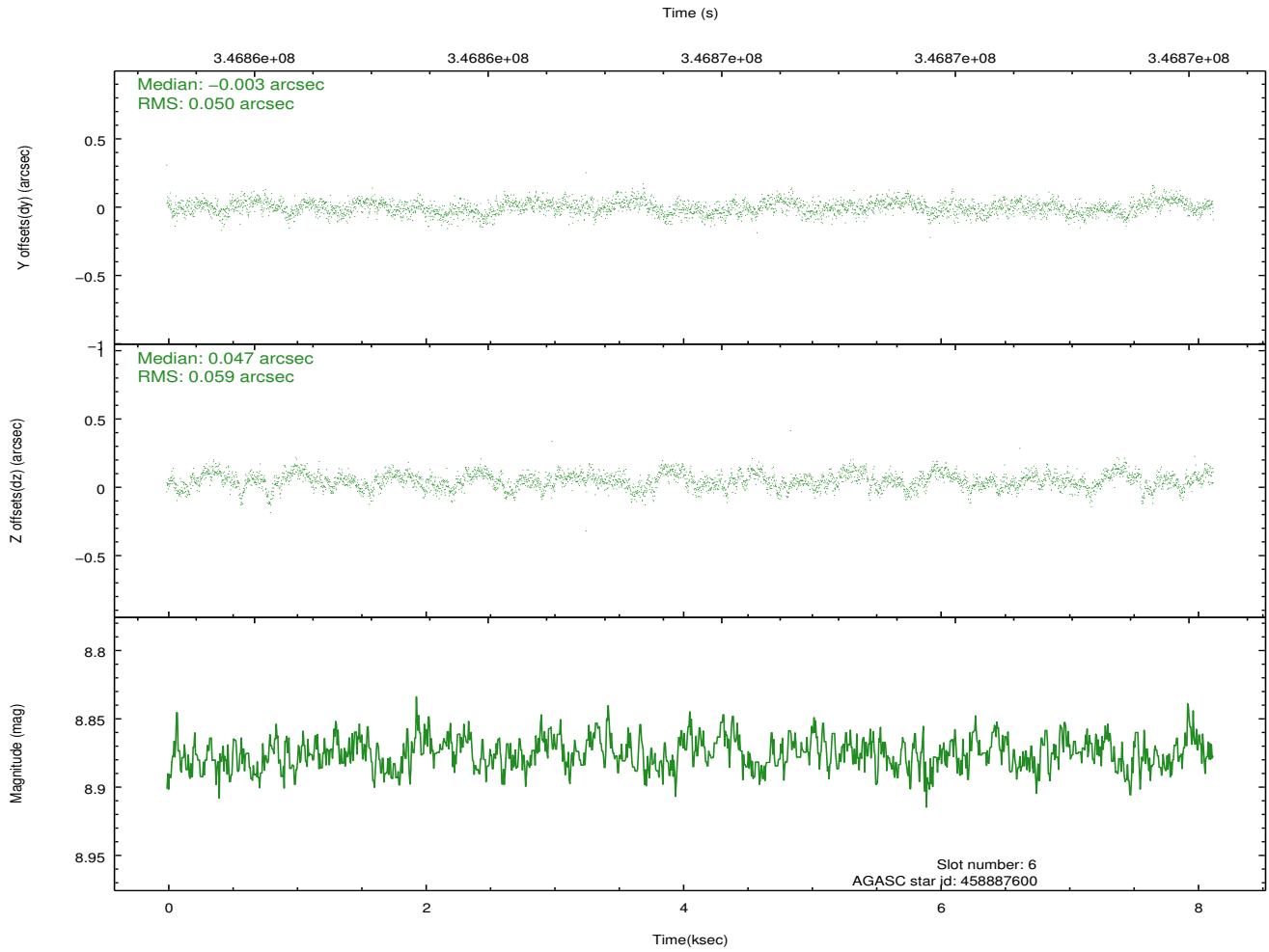
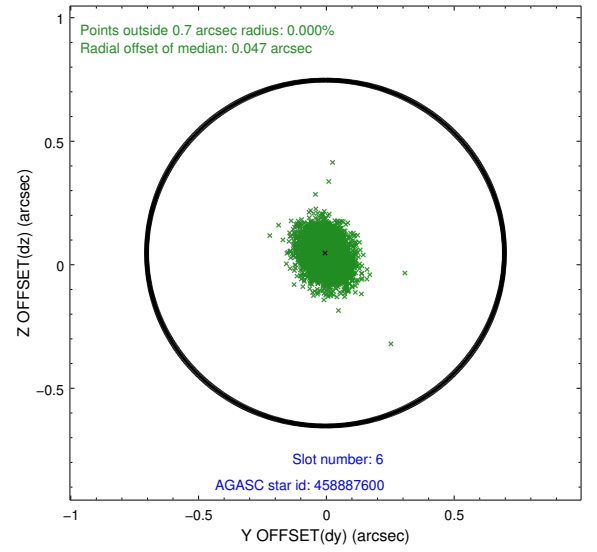
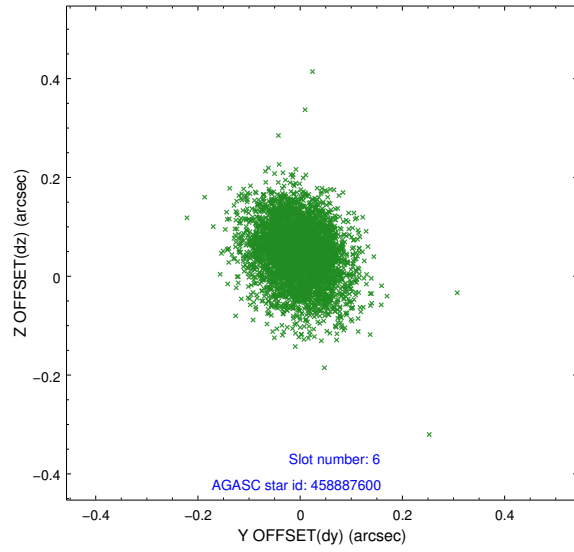
## 2.4.2 Slot 4



### 2.4.3 Slot 5

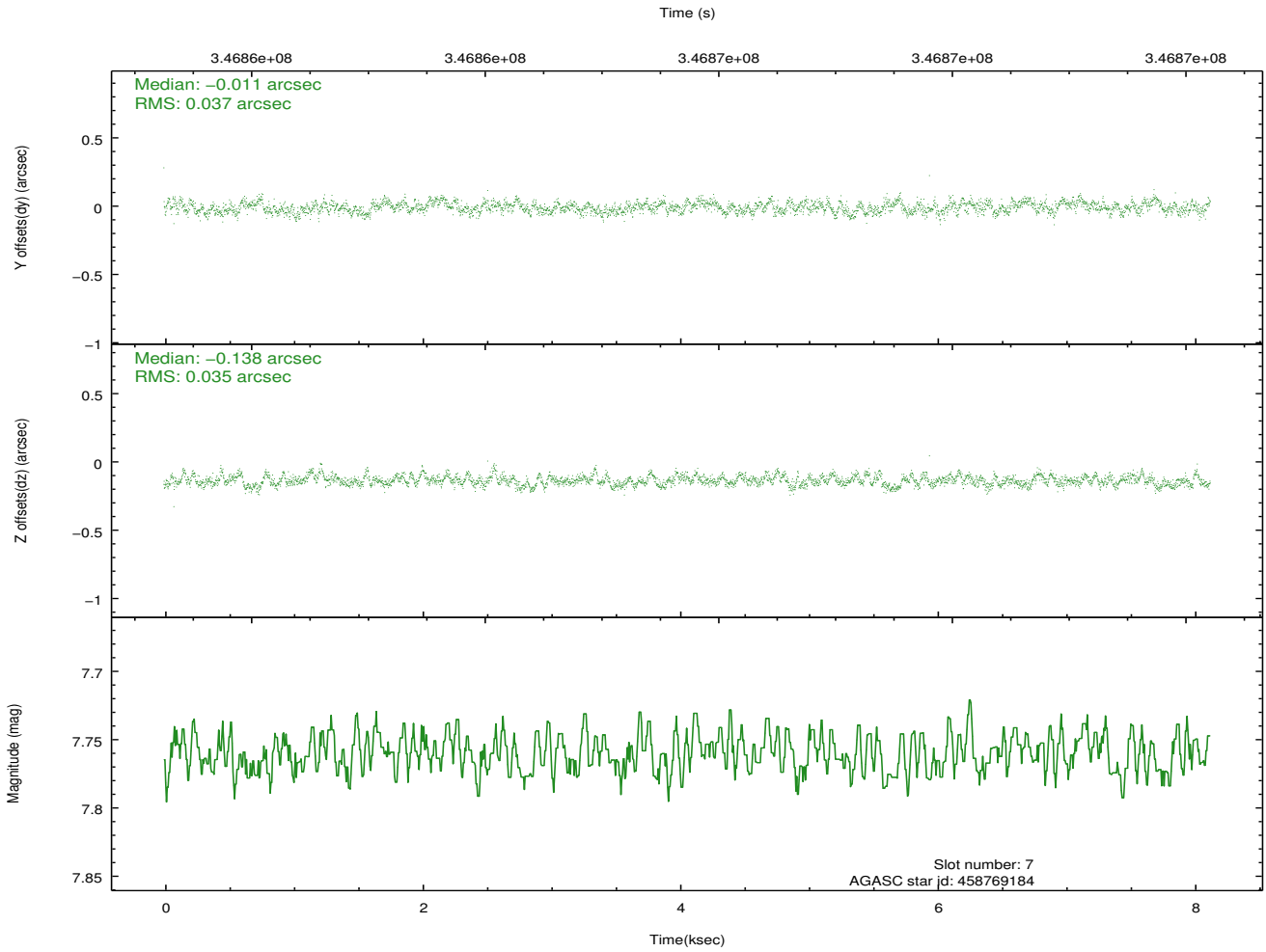
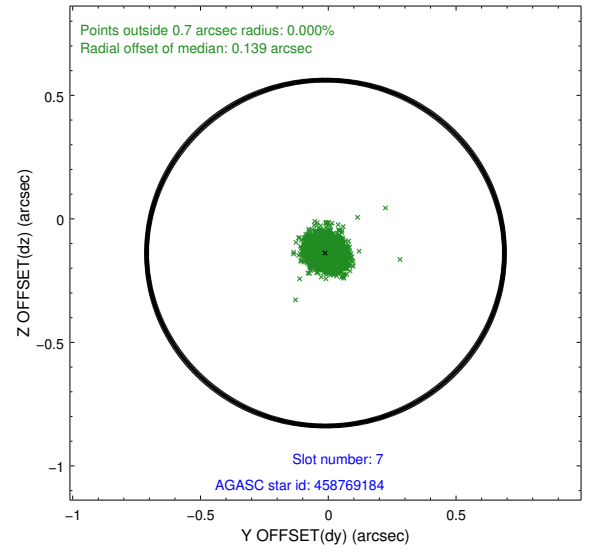
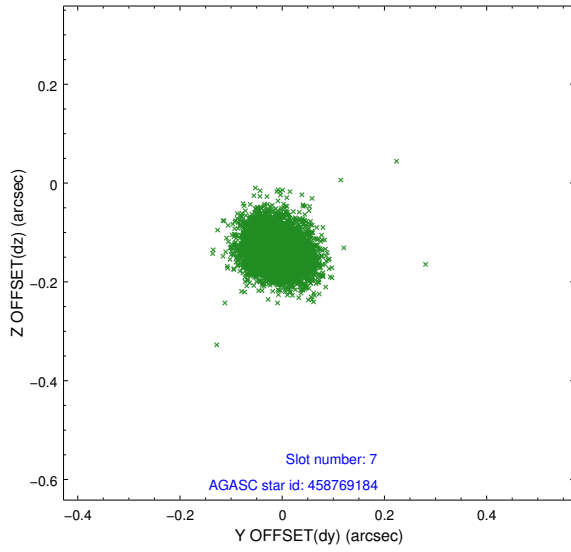


## 2.4.4 Slot 6



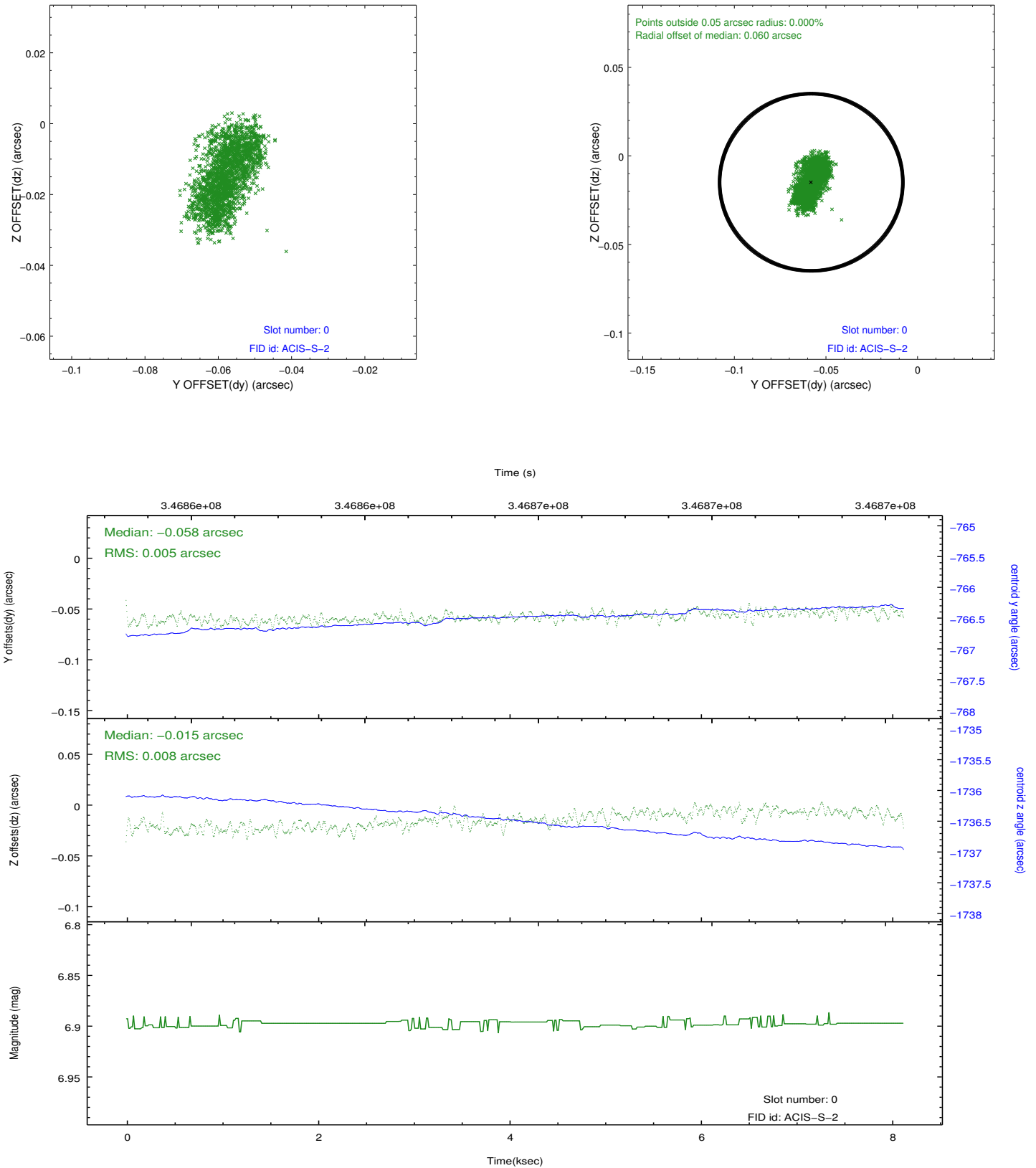


## 2.4.5 Slot 7

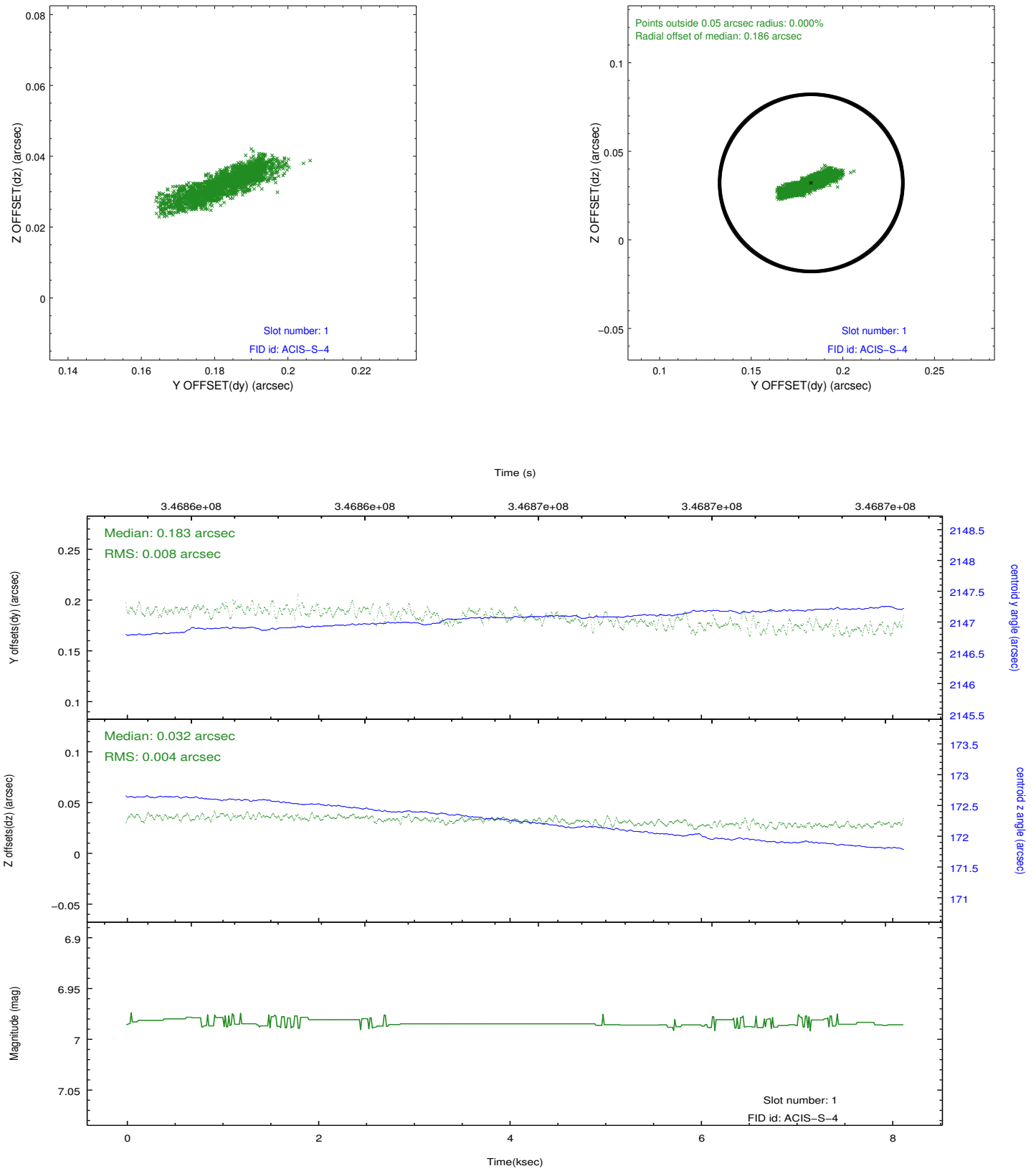


## 2.5 FID Slots

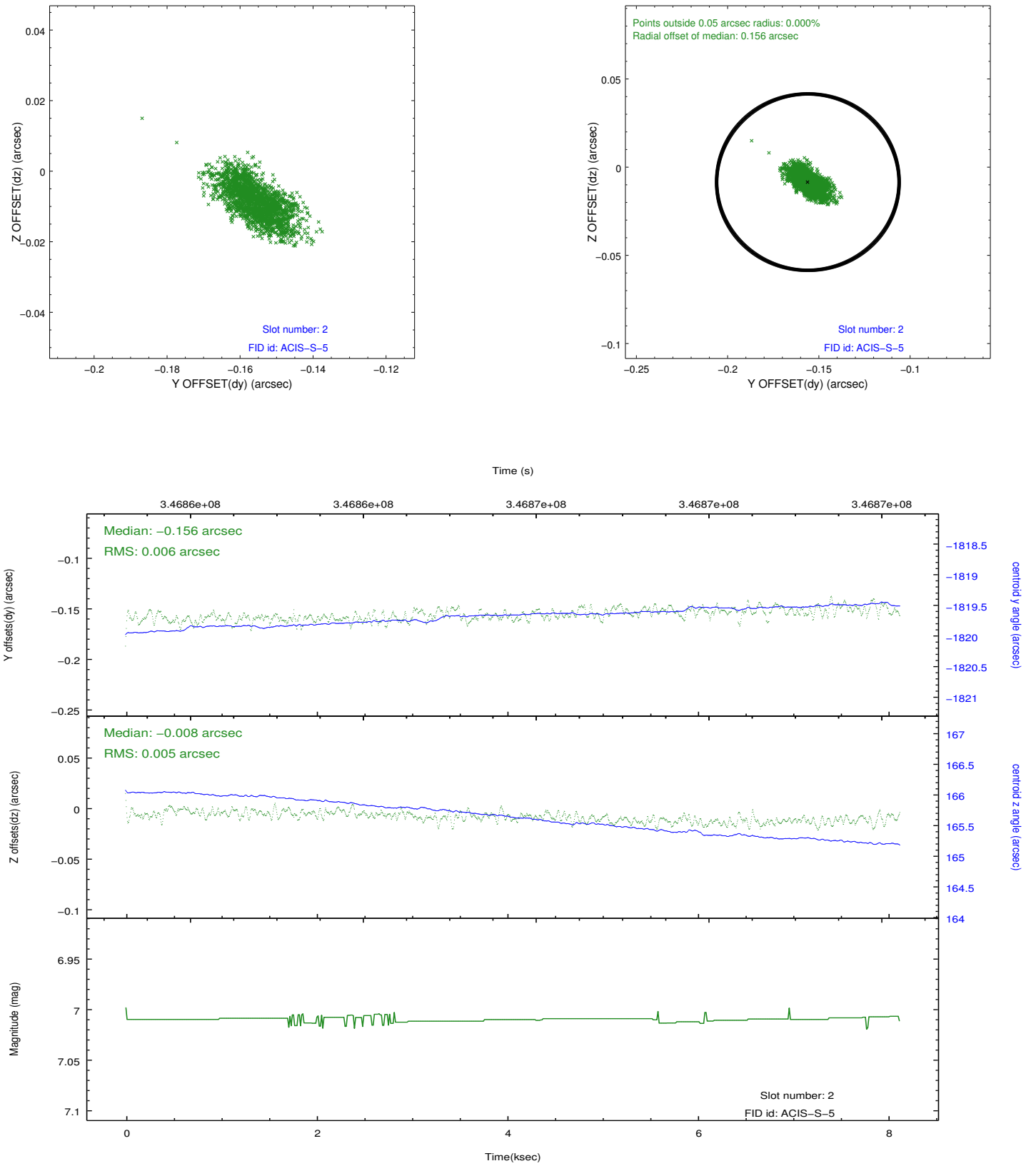
### 2.5.1 Slot 0



## 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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.12510006

### A.2 Comments