

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 6606 - L2 Version 3  
Chandra X-Ray Center

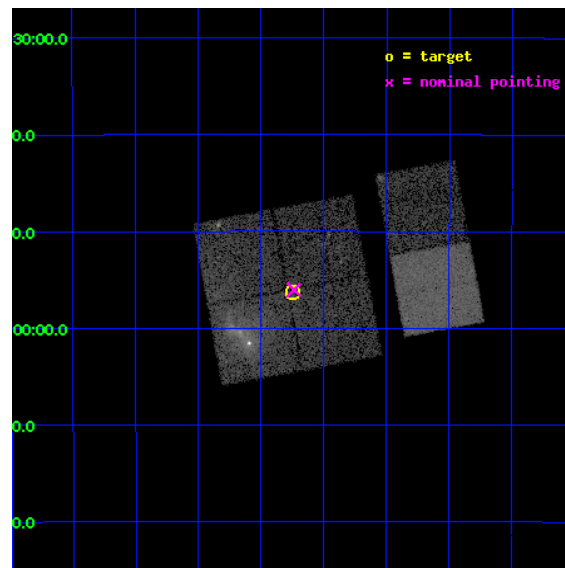
L2 Processing Date : Apr 24 2012

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# 1 Front

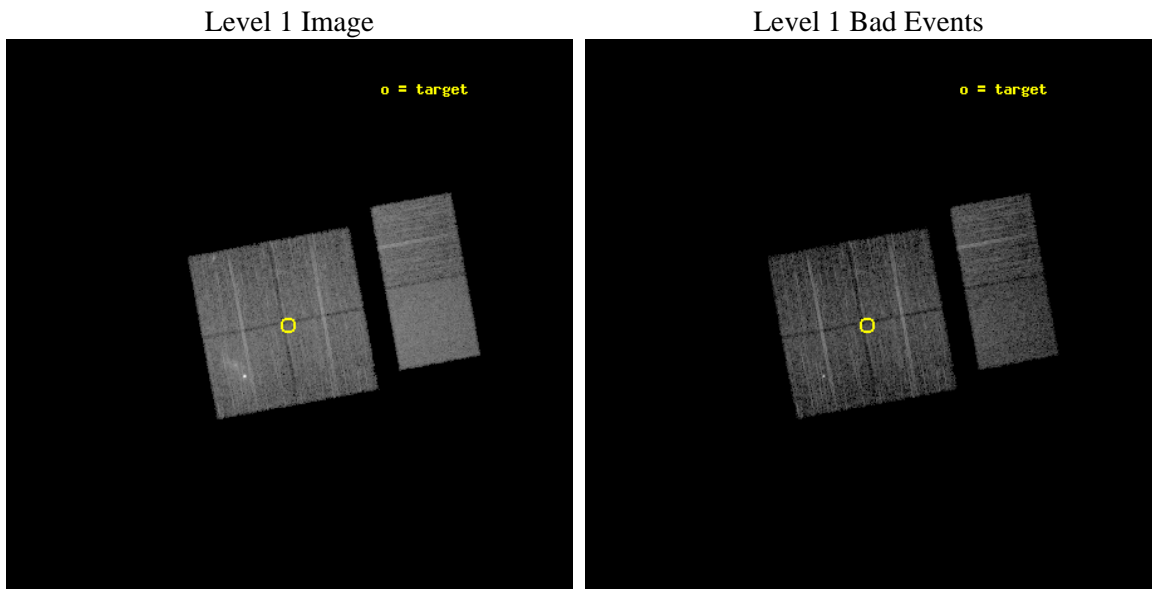
seq_num	400511	Sequence number
obs_id	6606	Observation id
title	Chandra observations of enigmatic X-ray and radio transients	Propo
observer	Dr. Rudy Wijnands	Principal investigator
object	GRS 1741.9-2853	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.31125	Observer's specified target RA [deg]
dec_targ	-28.938889	Observer's specified target Dec [deg]
ra_nom	266.30939476154	Nominal RA [deg]
dec_nom	-28.934111773899	Nominal Dec [deg]
roll_nom	79.562532005271	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5110.3999810219	Sum of GTIs [s]
livetime	5045.6890193487	Livetime [s]
ontime0	5110.3999810219	Sum of GTIs [s]
ontime1	5110.3999810219	Sum of GTIs [s]
ontime2	5110.3999810219	Sum of GTIs [s]
ontime3	5110.3999810219	Sum of GTIs [s]
ontime6	5110.3999810219	Sum of GTIs [s]
ontime7	5110.3999810219	Sum of GTIs [s]
l2events	78450	Number of level 2 events



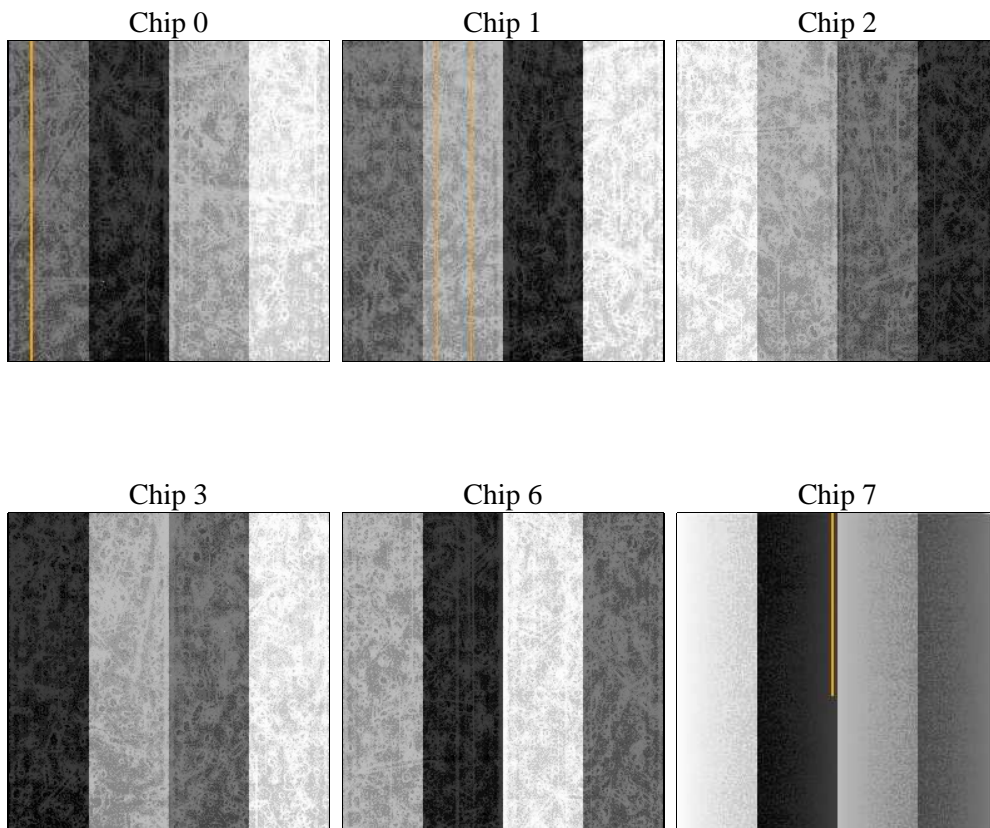
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5110.3999810219	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	5110.3999810219	Sum of GTIs [s]
date	2012-04-24T21:10:12	Date and time of file creation	ontime1	5110.3999810219	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5110.3999810219	Sum of GTIs [s]
			ontime3	5110.3999810219	Sum of GTIs [s]
			ontime6	5110.3999810219	Sum of GTIs [s]
			ontime7	5110.3999810219	Sum of GTIs [s]
			l1events	344762	Number of level 1 events

### 2.1.4 Events

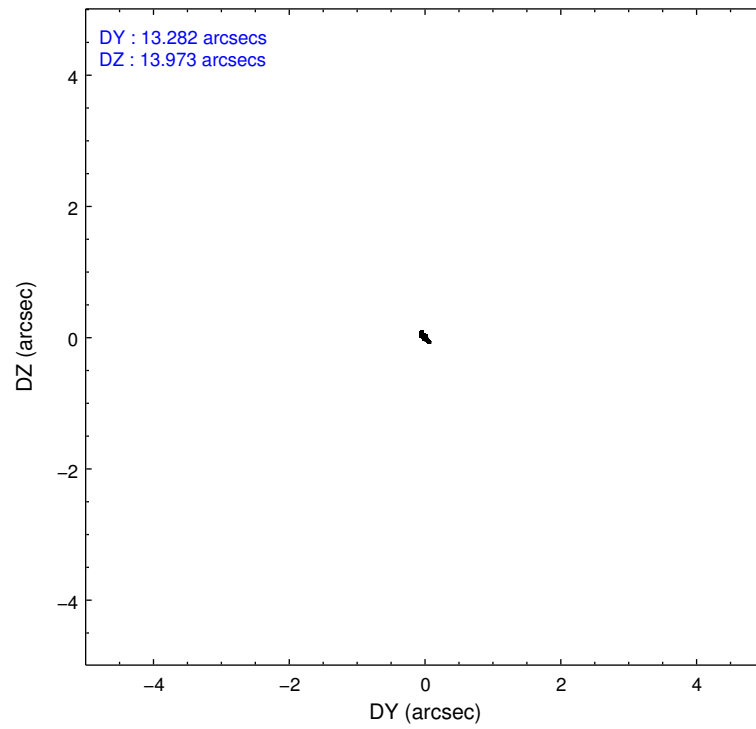
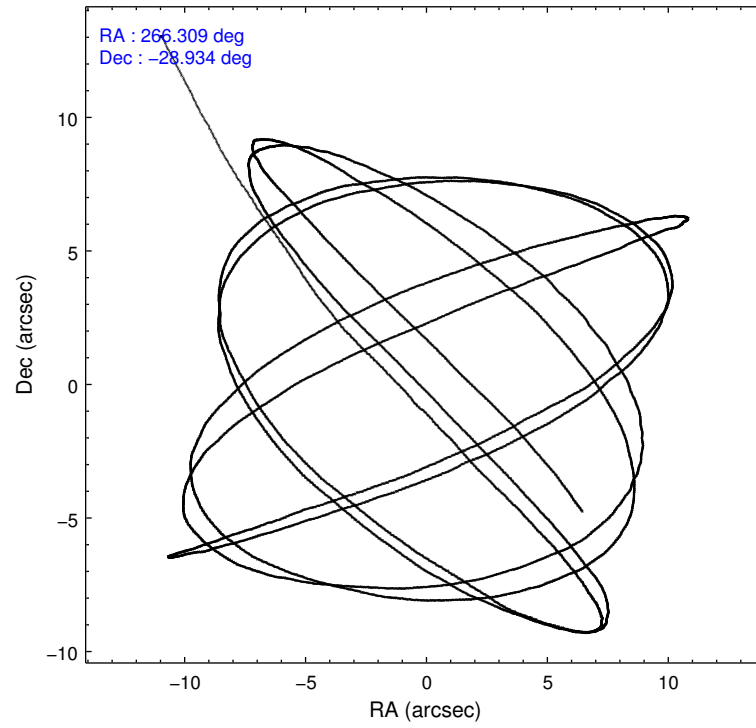
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	51014	67218	51994	52328	53217	68991	grade 0 events	5347	13164	3795	3896	3011	2575
rejected events	40962	43861	44325	44417	46313	39819		10%	19%	7%	7%	5%	3%
rejected %	80%	65%	85%	84%	87%	57%	grade 1 events	54	325	47	50	39	77
								0%	0%	0%	0%	0%	0%
							grade 2 events	1912	4228	1447	1415	1411	5985
								3%	6%	2%	2%	2%	8%
							grade 3 events	741	1586	642	690	594	2512
								1%	2%	1%	1%	1%	3%
							grade 4 events	736	1486	671	697	588	2481
								1%	2%	1%	1%	1%	3%
							grade 5 events	2031	2460	1997	2393	2402	6454
								3%	3%	3%	4%	4%	9%
							grade 6 events	1330	2917	1119	1228	1308	15644
								2%	4%	2%	2%	2%	22%
							grade 7 events	38863	41052	42276	41959	43864	33263
								76%	61%	81%	80%	82%	48%

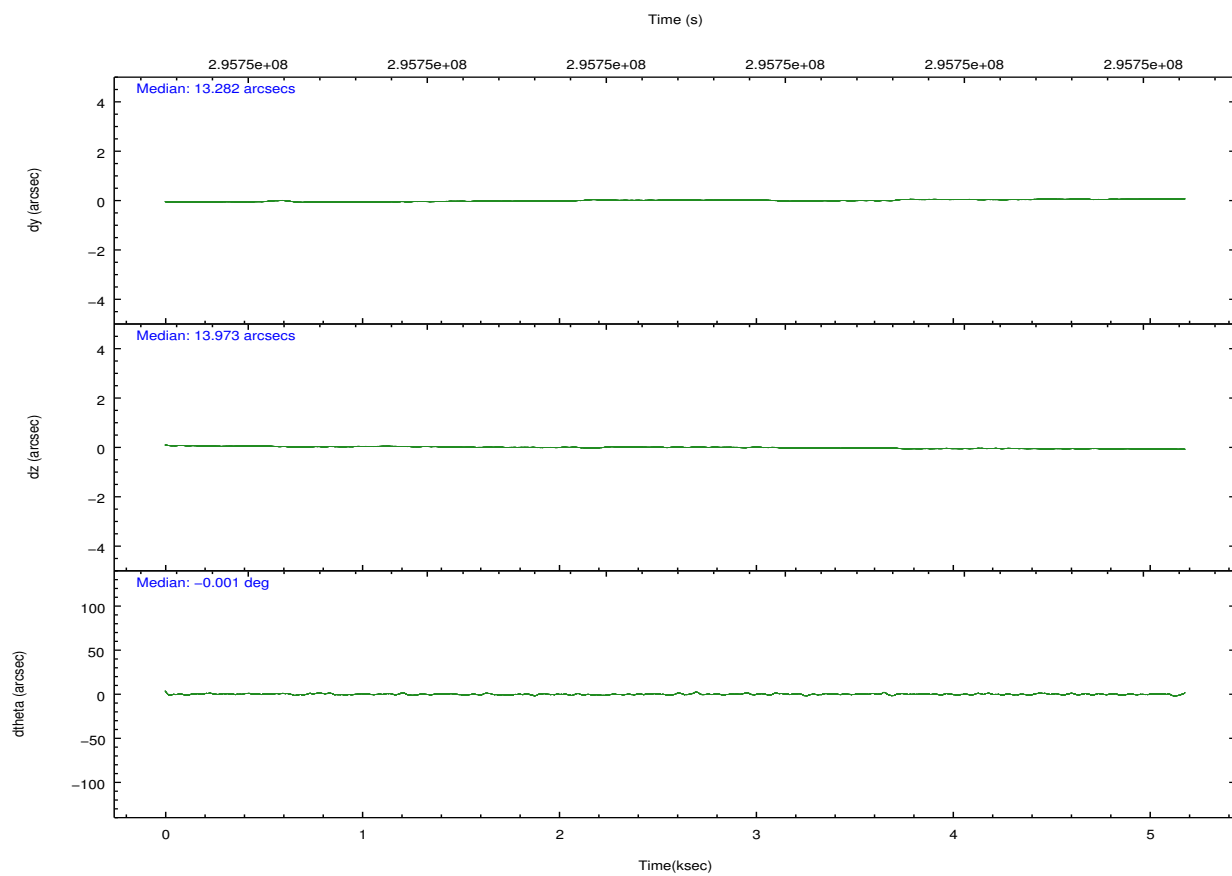
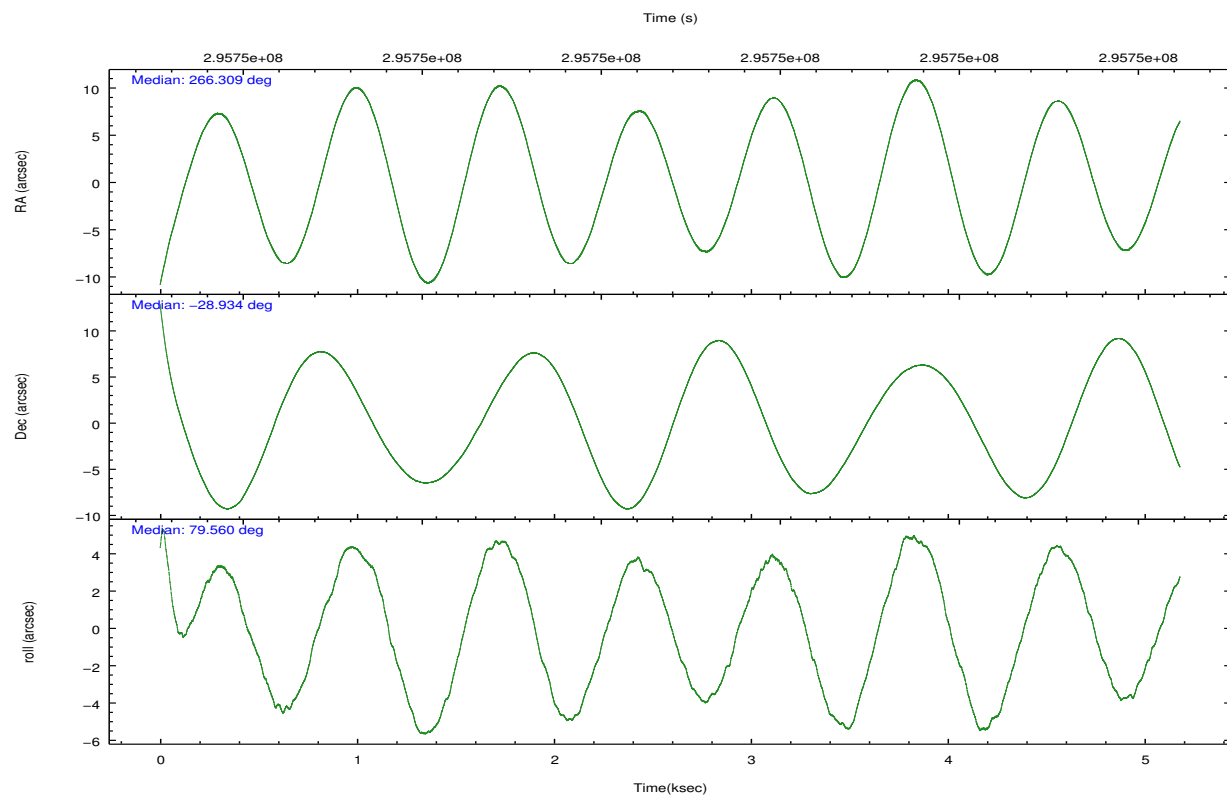


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	266.320087	266.3093947615404	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.960008	-28.93411177389937	CCD I3 on	Y	Y
[deg] Pointing Roll	79.358991	79.56253200527125	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	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	295745970.184000	295744927.65131	CCD S5 on	N	N
Observation start date	2007-05-16T23:38:25	2007-05-16T23:22:07	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	295750970.184000	295751103.7891	On-chip summing requested	N	N
Observation end date	2007-05-17T01:01:45	2007-05-17T01:05:03	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



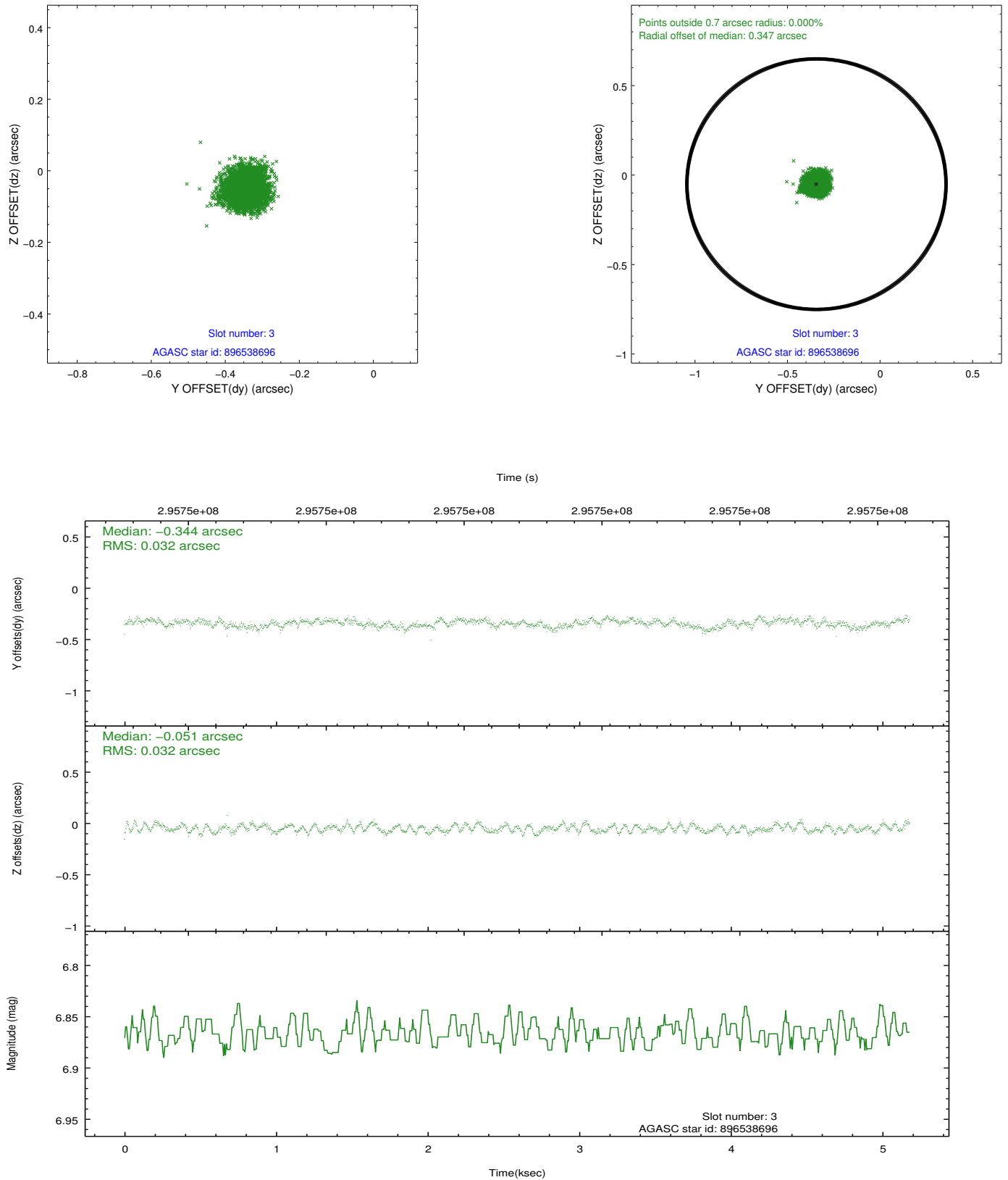


### Slot Statistics

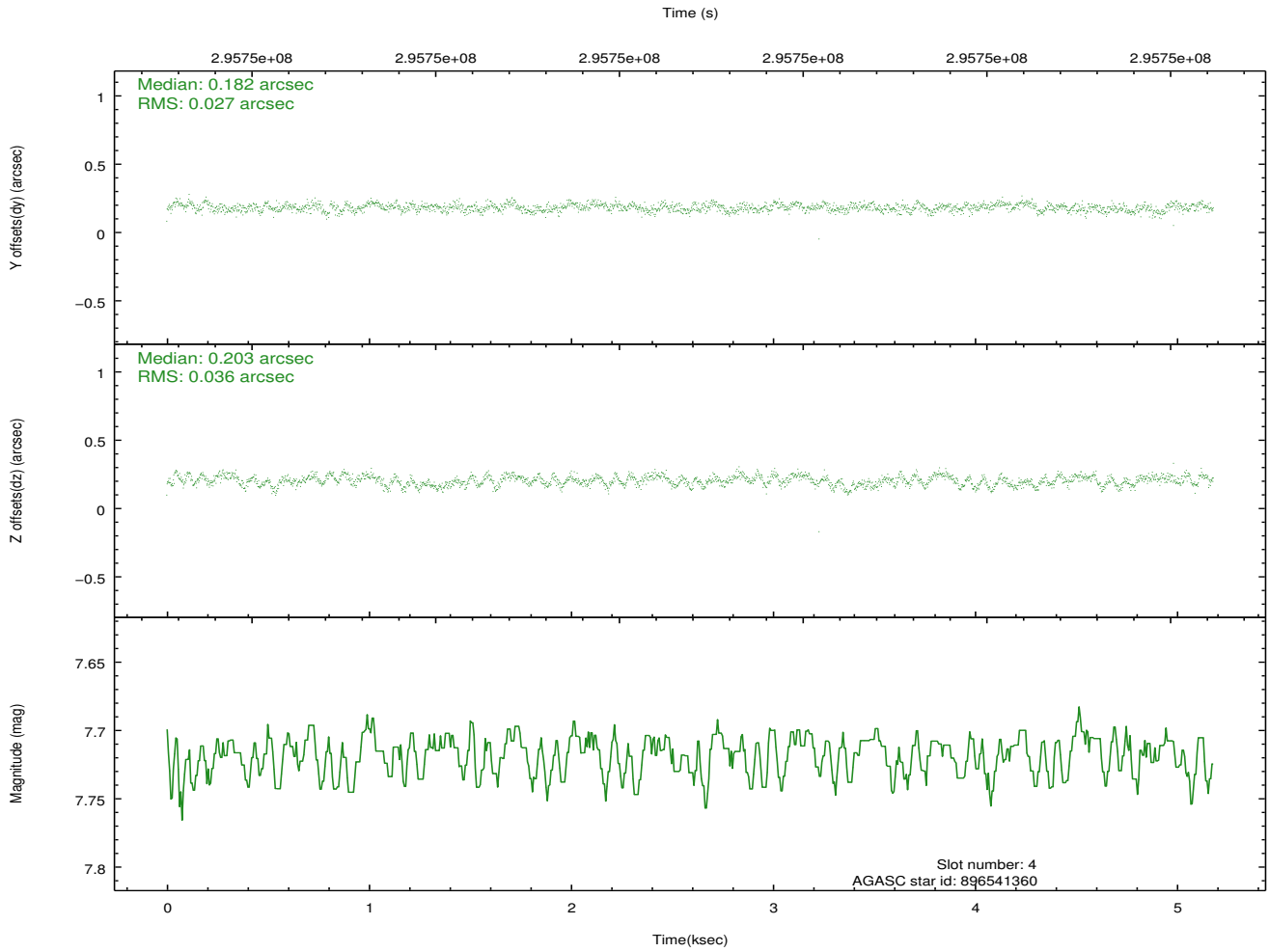
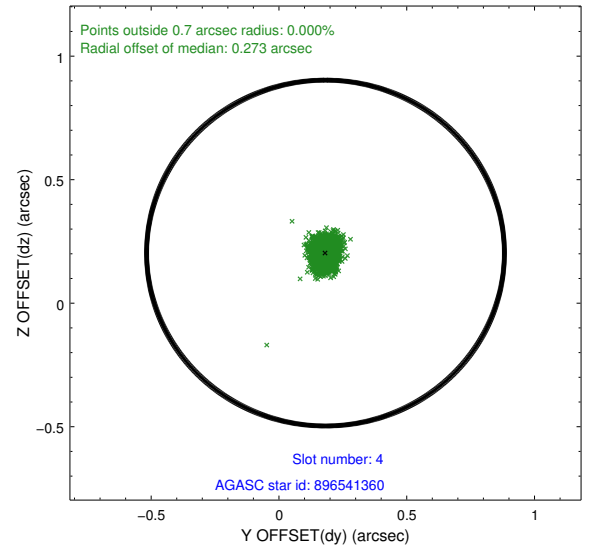
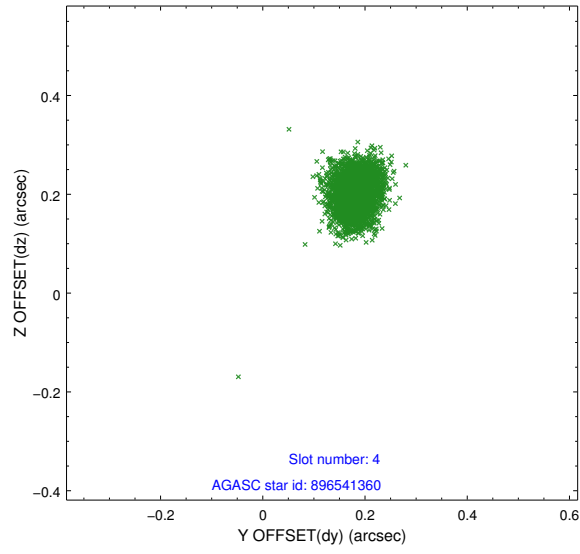
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-4	7.17	1264	0.201	0.018	0.007	0.012	0.000000	0.000000	2146.40	1062.33
1	FID	ACIS-I-5	7.22	1264	-0.301	0.015	0.006	0.011	0.000000	0.000000	-1820.56	1060.90
2	FID	ACIS-I-6	7.24	1264	-0.001	0.035	0.009	0.015	0.000000	0.000000	390.52	1705.22
3	GUIDE	896538696	6.87	2528	-0.344	-0.051	0.048	0.074	266.298470	-28.325572	2231.66	489.06
4	GUIDE	896541360	7.72	2528	0.182	0.203	0.047	0.075	266.684478	-29.453744	-1536.61	-1450.94
5	GUIDE	896403224	8.27	2528	0.163	-0.132	0.064	0.103	265.612825	-29.438915	-2111.17	1858.79
6	GUIDE	896404568	7.85	2528	-0.189	-0.201	0.053	0.081	265.687293	-28.431080	1495.16	2320.06
7	GUIDE	896537776	7.52	2527	0.192	0.181	0.052	0.081	266.655684	-29.665673	-2303.54	-1500.28

## 2.4 Star Slots

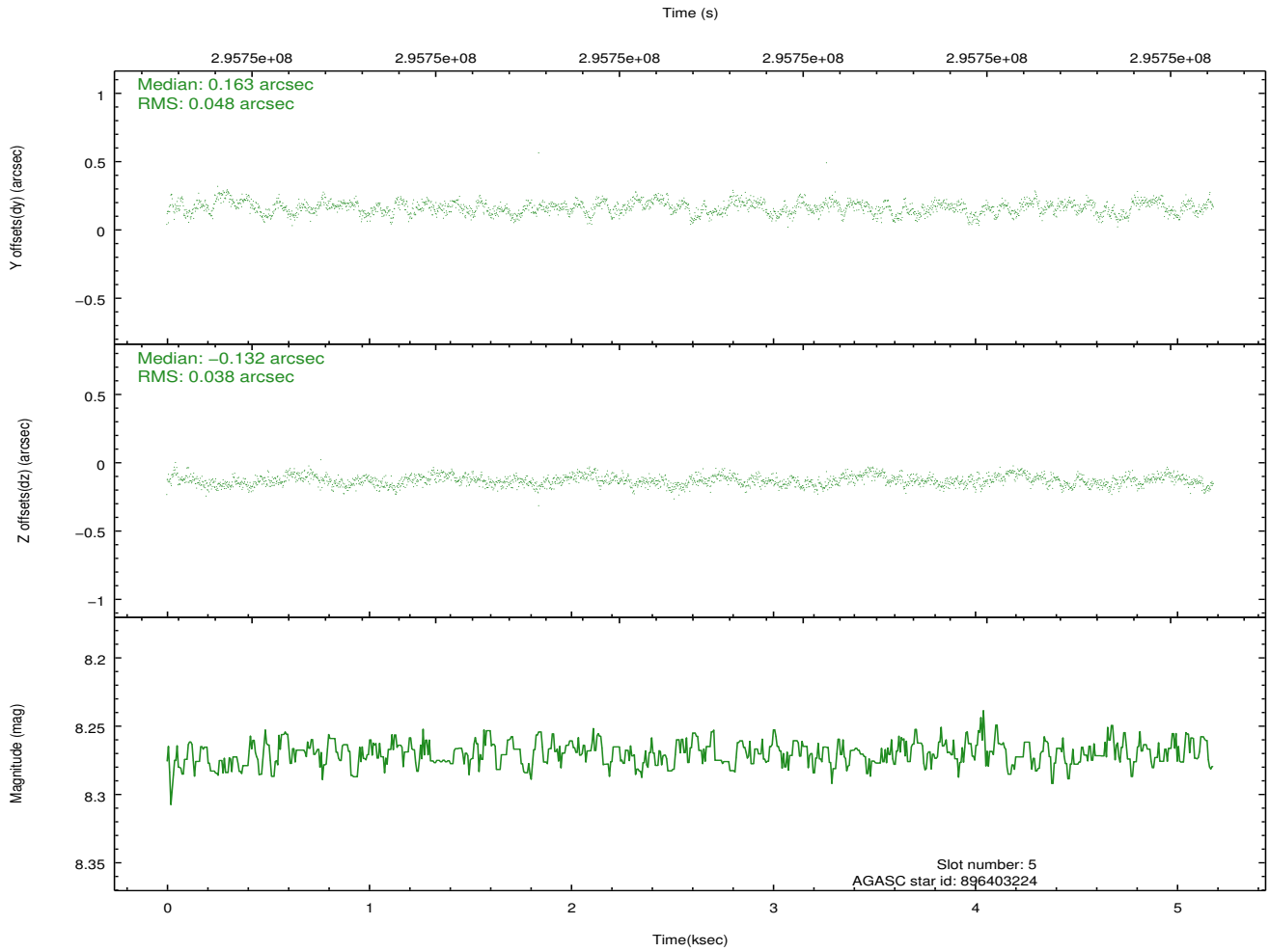
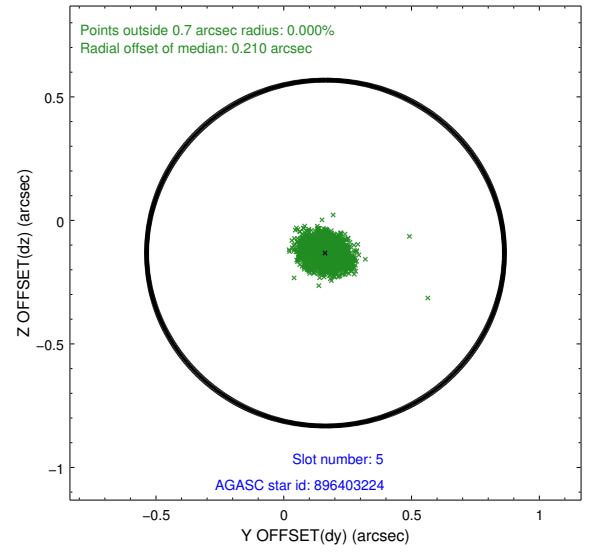
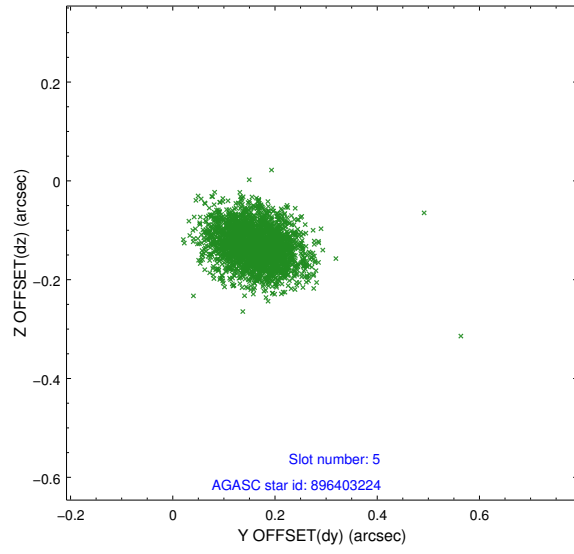
### 2.4.1 Slot 3



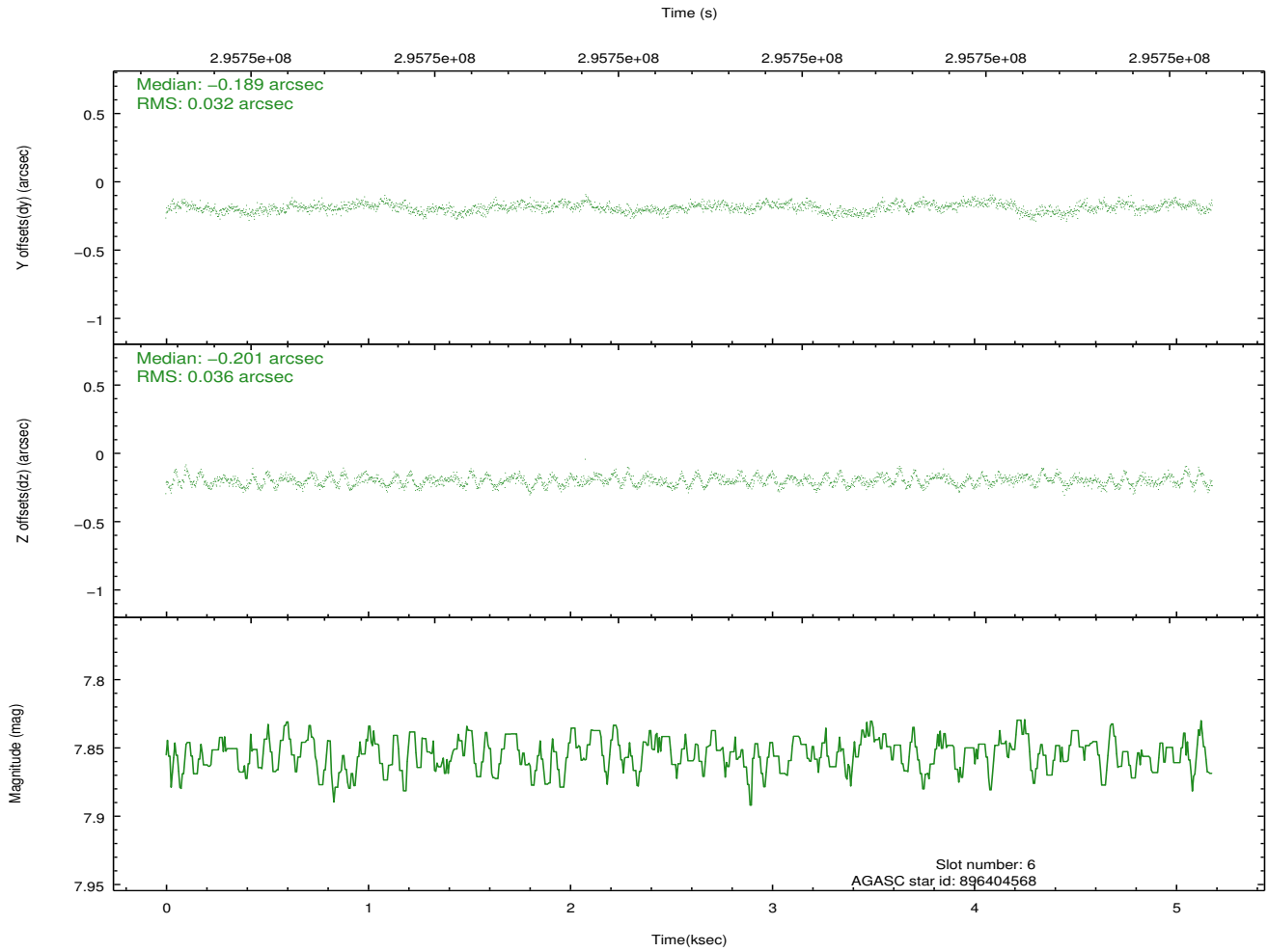
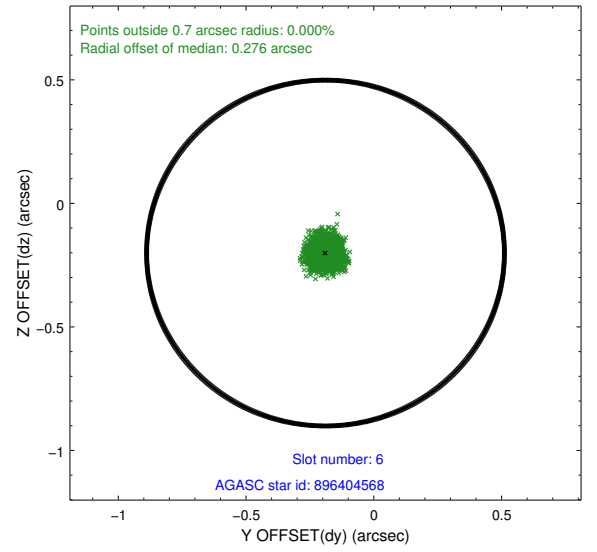
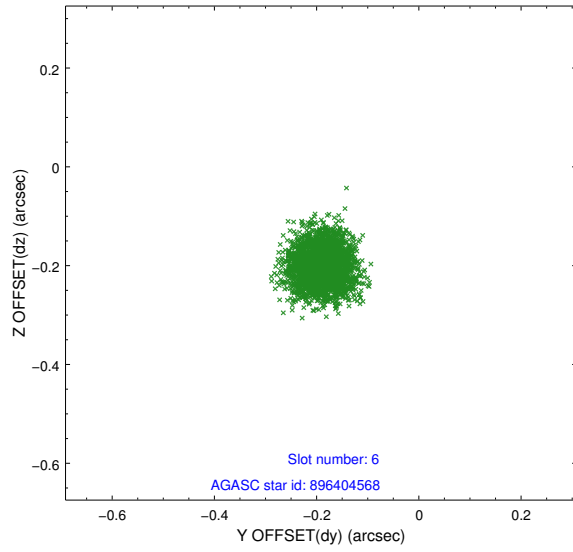
## 2.4.2 Slot 4



### 2.4.3 Slot 5

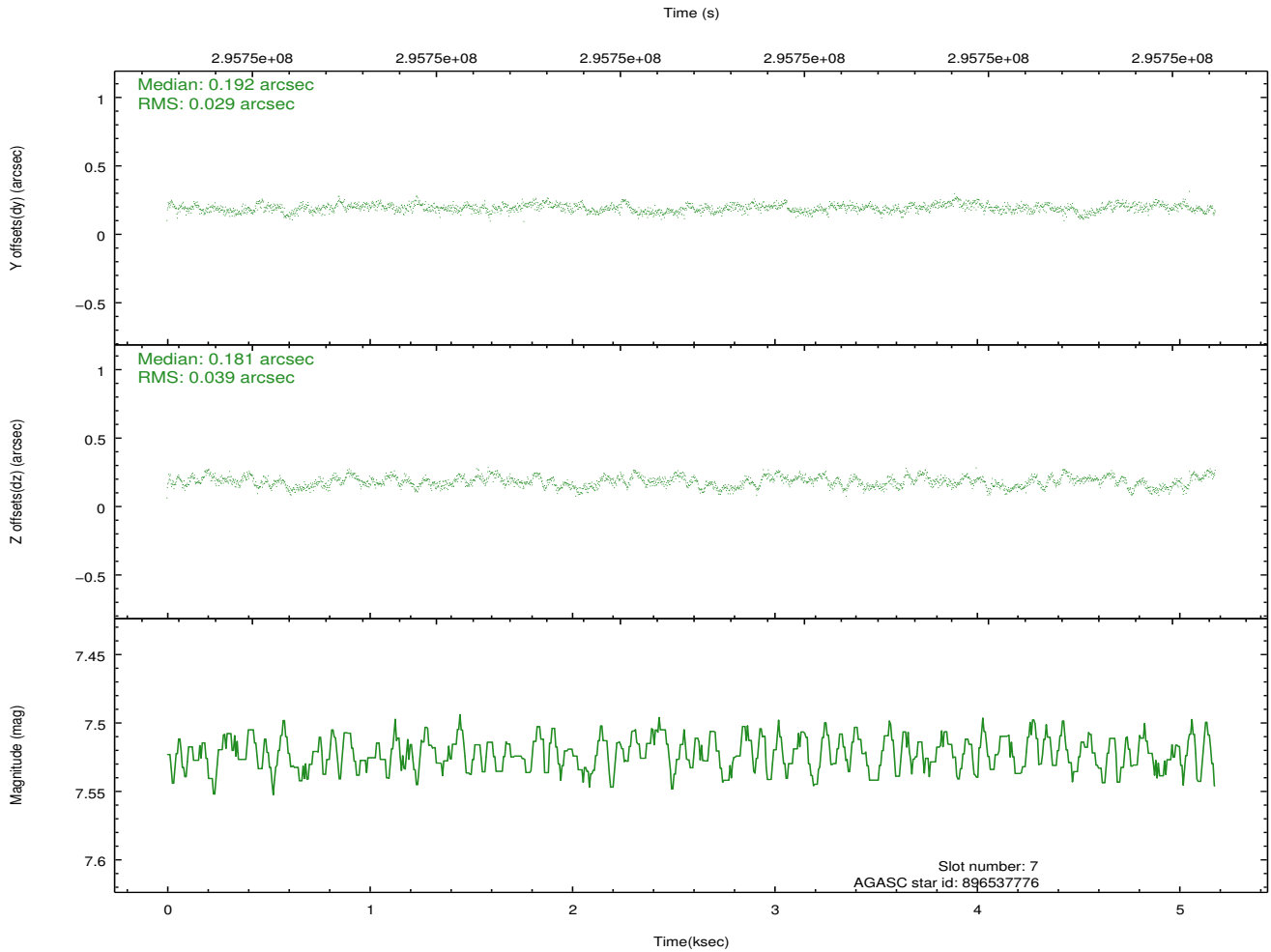
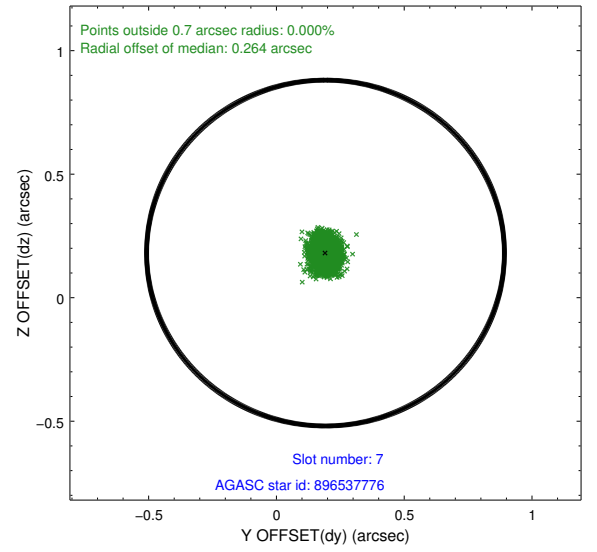
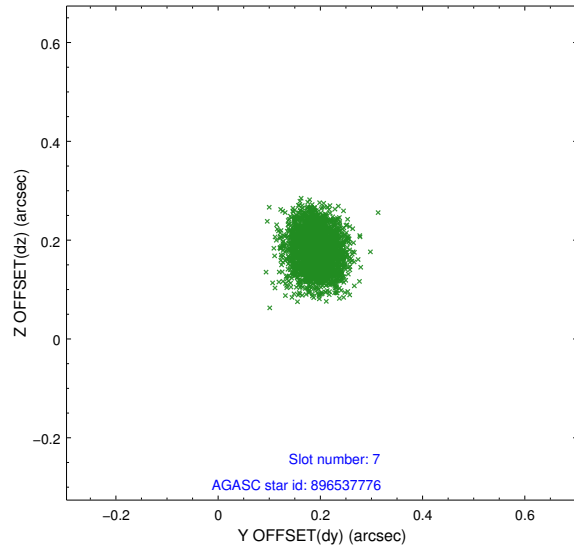


## 2.4.4 Slot 6



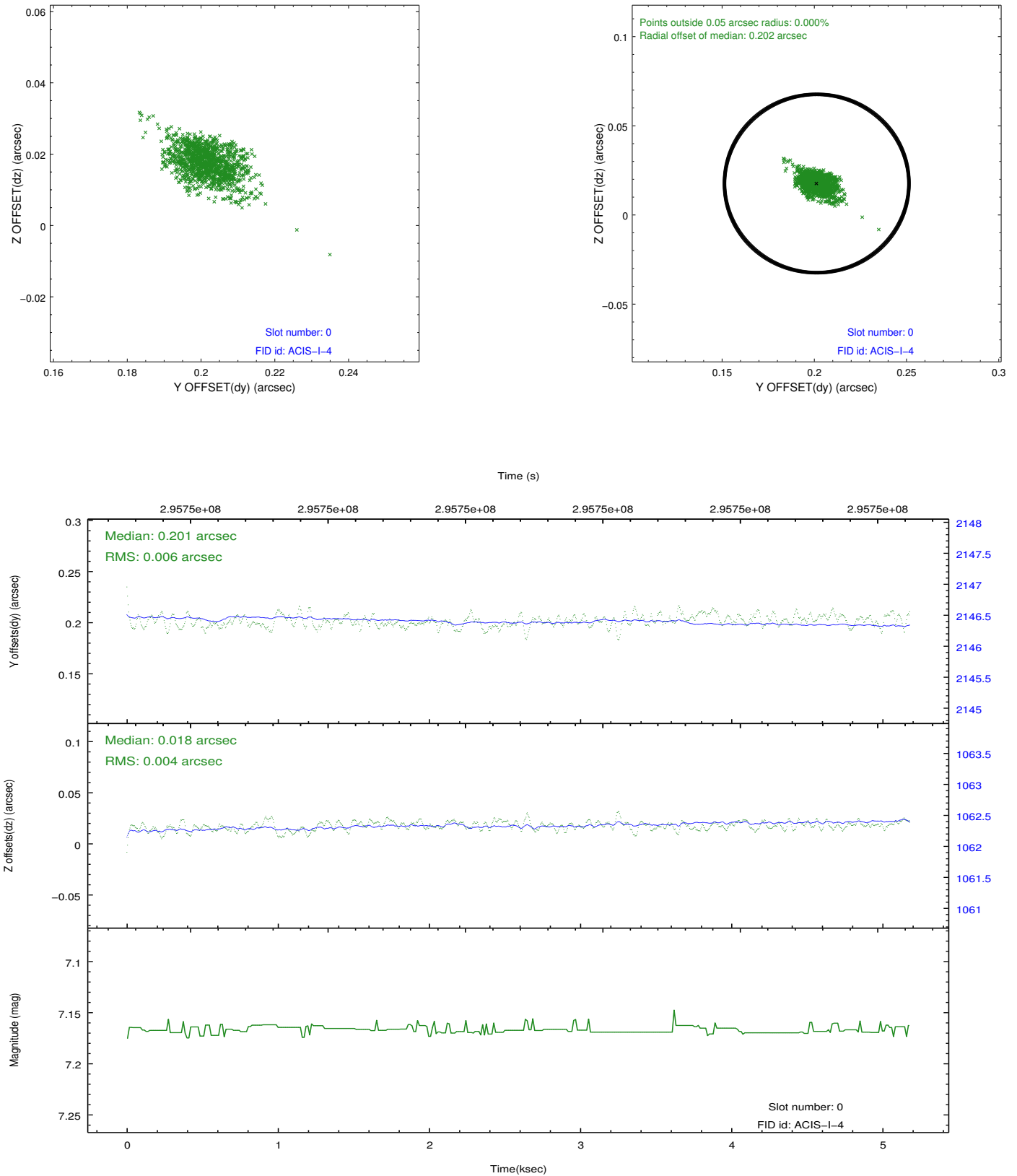


## 2.4.5 Slot 7

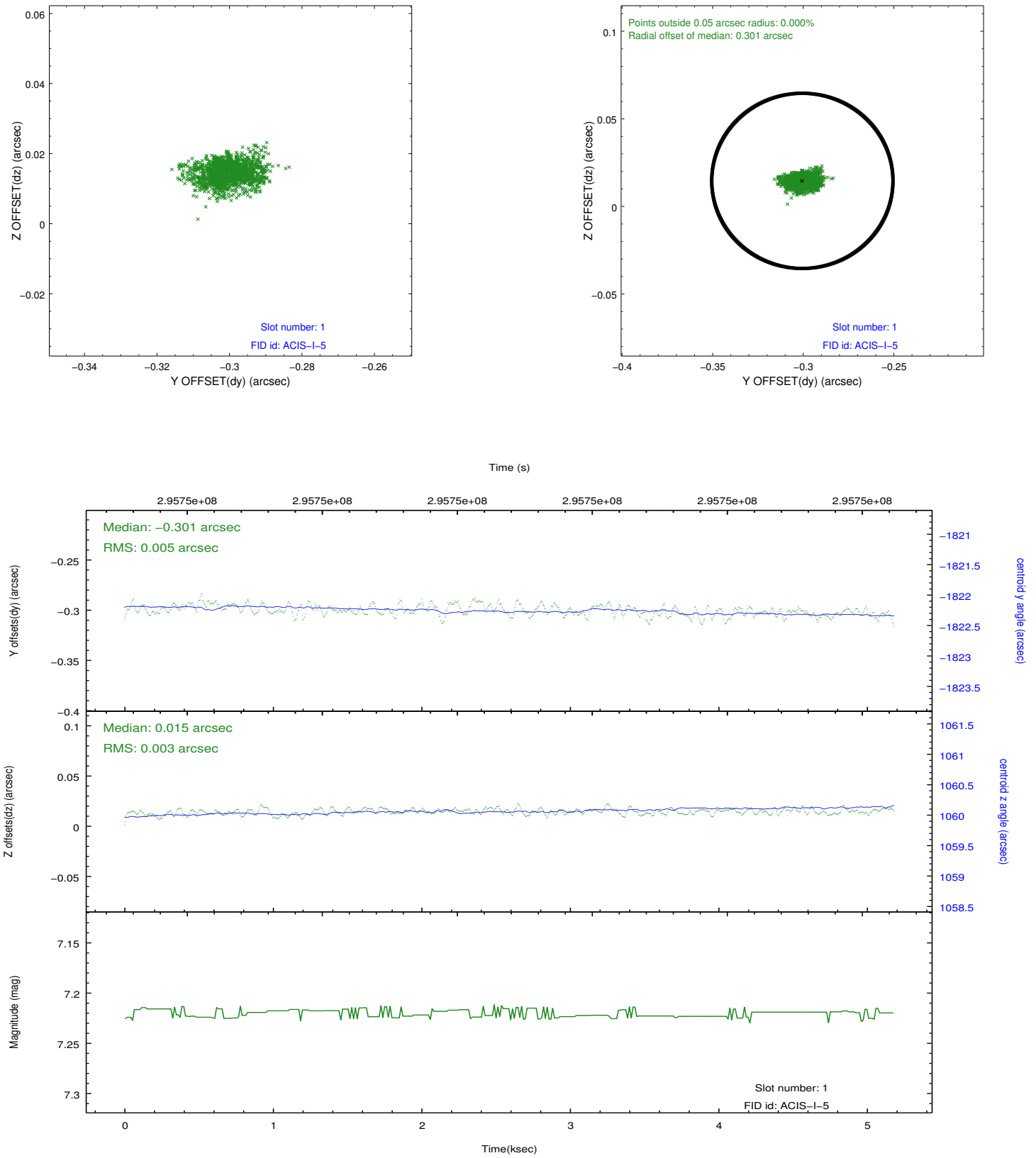


## 2.5 FID Slots

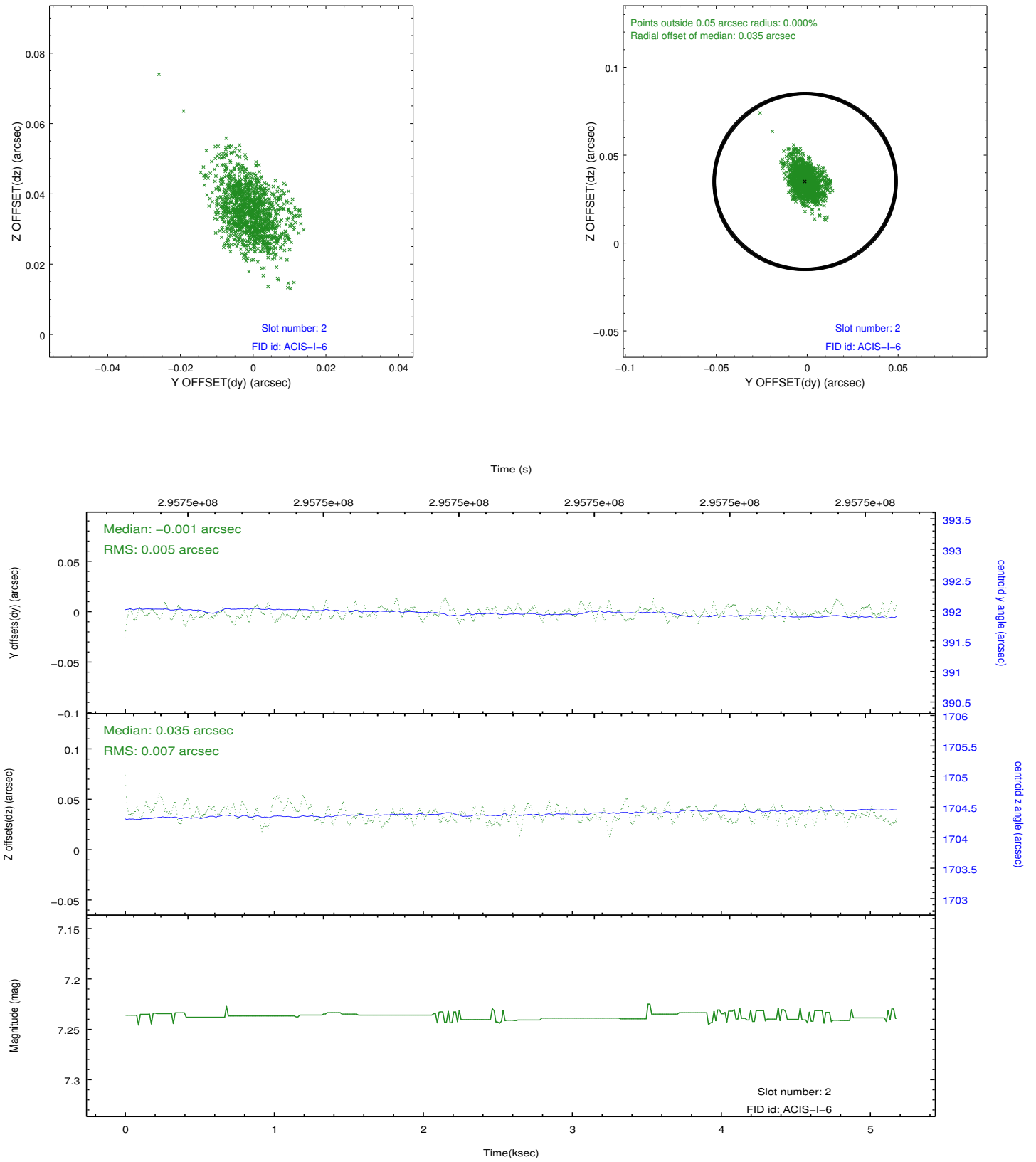
### 2.5.1 Slot 0



## 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)	2012.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.11039998

### A.2 Comments

Monitoring constraint interval with obsid 6605 was satisfied. Joint  
Proposal: NRAO