

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11271 - L2 Version 2  
Chandra X-Ray Center

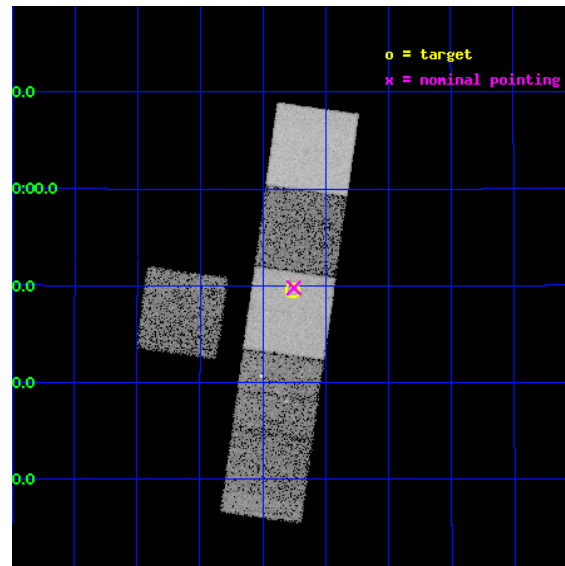
L2 Processing Date : Jun 19 2012

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# 1 Front

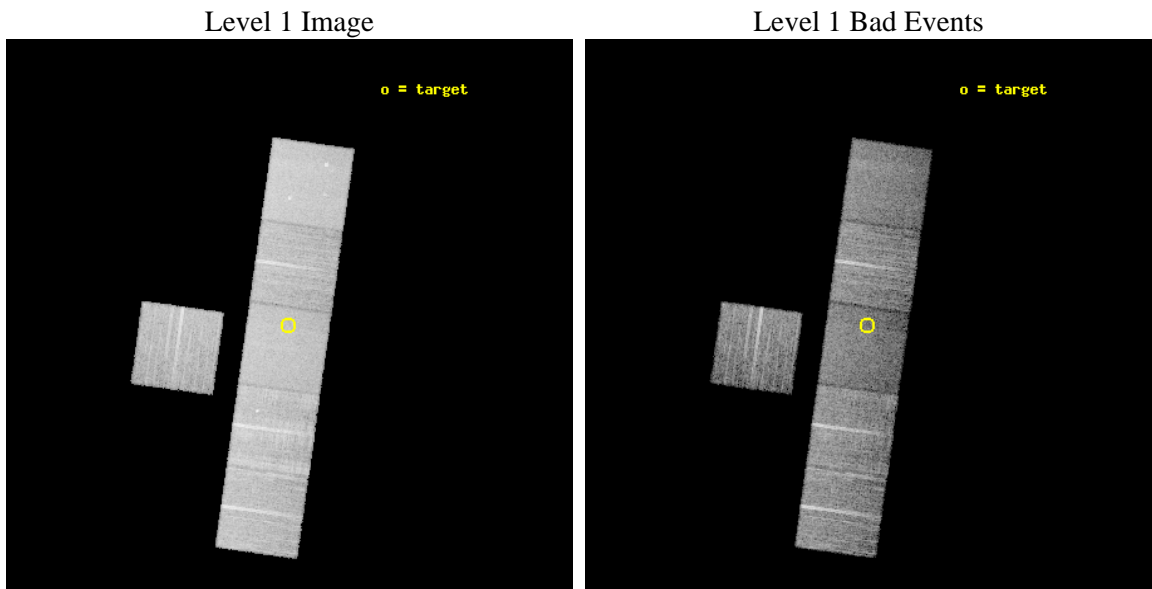
seq_num	600790	Sequence number
obs_id	11271	Observation id
title	X-Rays from Blue Compact Dwarf Galaxies	Proposal title
observer	Prof. Philip Kaaret	Principal investigator
object	DDO 68	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	149.191667	Observer's specified target RA [deg]
dec_targ	28.826056	Observer's specified target Dec [deg]
ra_nom	149.18816279131	Nominal RA [deg]
dec_nom	28.829782314844	Nominal Dec [deg]
roll_nom	98.043222809643	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10127.99996233	Sum of GTIs [s]
livetime	9999.7531284574	Livetime [s]
ontime3	10127.99996233	Sum of GTIs [s]
ontime5	10127.99996233	Sum of GTIs [s]
ontime6	10127.99996233	Sum of GTIs [s]
ontime7	10127.99996233	Sum of GTIs [s]
ontime8	10127.99996233	Sum of GTIs [s]
ontime9	10127.99996233	Sum of GTIs [s]
l2events	138590	Number of level 2 events



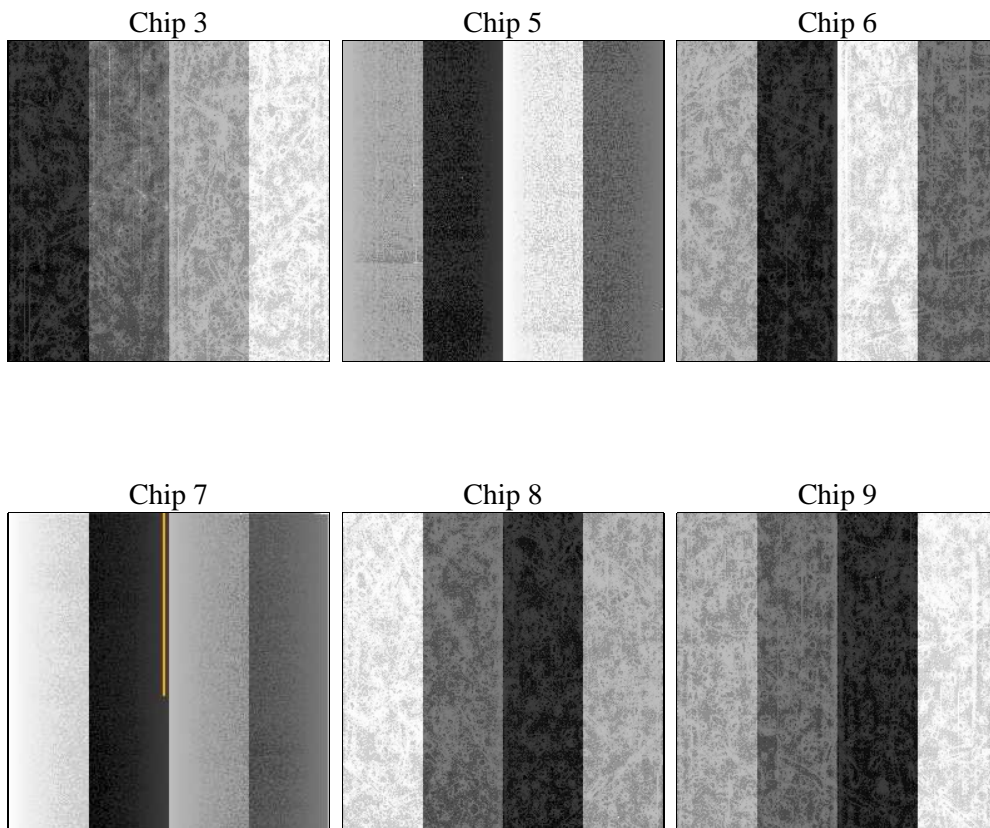
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10127.99996233	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime3	10127.99996233	Sum of GTIs [s]
date	2012-06-19T22:16:40	Date and time of file creation	ontime5	10127.99996233	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	10127.99996233	Sum of GTIs [s]
			ontime7	10127.99996233	Sum of GTIs [s]
			ontime8	10127.99996233	Sum of GTIs [s]
			ontime9	10127.99996233	Sum of GTIs [s]
			l1events	606351	Number of level 1 events

### 2.1.4 Events

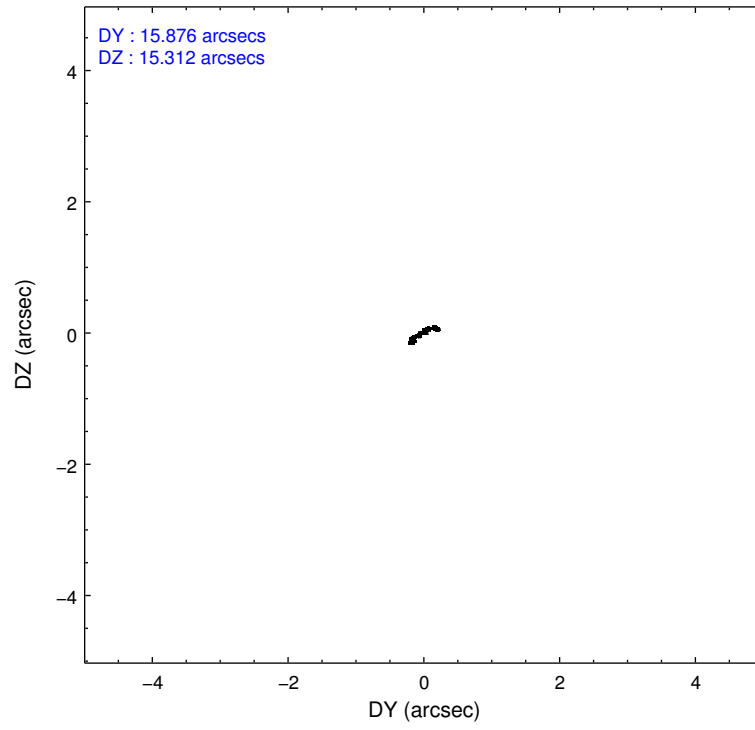
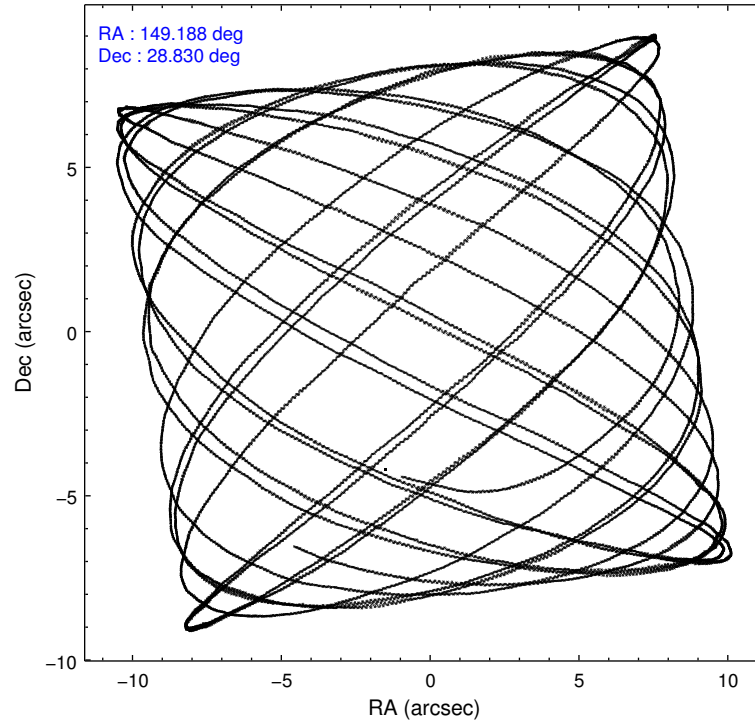
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 3	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	82661	124901	88731	101967	114875	93216	grade 0 events	2927	4799	3178	4138	8862	3750
rejected events	74250	63635	79516	56045	85314	82887		3%	3%	3%	4%	7%	4%
rejected %	89%	50%	89%	54%	74%	88%	grade 1 events	44	217	47	136	105	69
								0%	0%	0%	0%	0%	0%
							grade 2 events	1820	18816	2106	9406	6847	2249
								2%	15%	2%	9%	5%	2%
							grade 3 events	976	2479	973	4105	3032	1083
								1%	1%	1%	4%	2%	1%
							grade 4 events	930	2355	953	4031	2906	1065
								1%	1%	1%	3%	2%	1%
							grade 5 events	3582	9996	3743	10668	5357	4238
								4%	8%	4%	10%	4%	4%
							grade 6 events	1762	32851	2014	24283	7929	2187
								2%	26%	2%	23%	6%	2%
							grade 7 events	70620	53388	75717	45200	79837	78575
								85%	42%	85%	44%	69%	84%

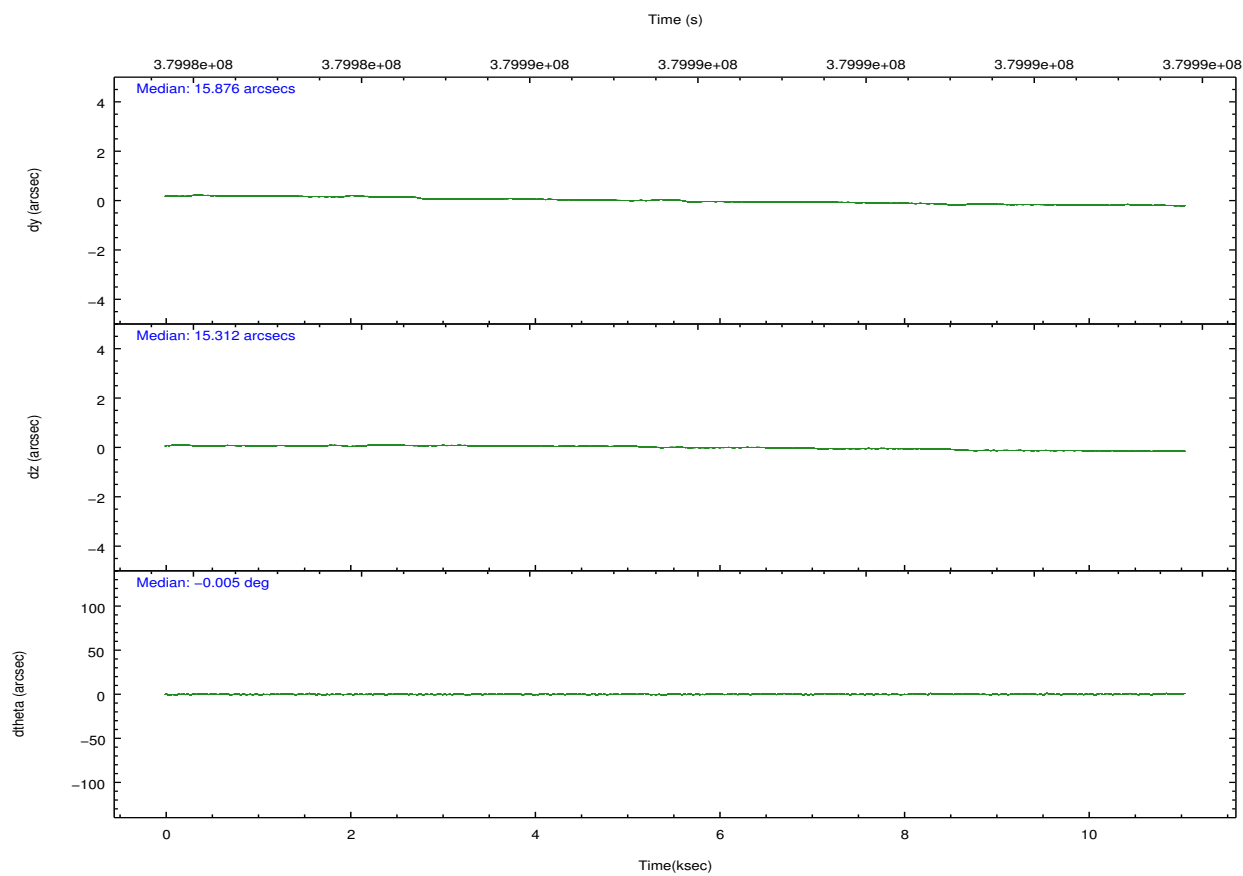
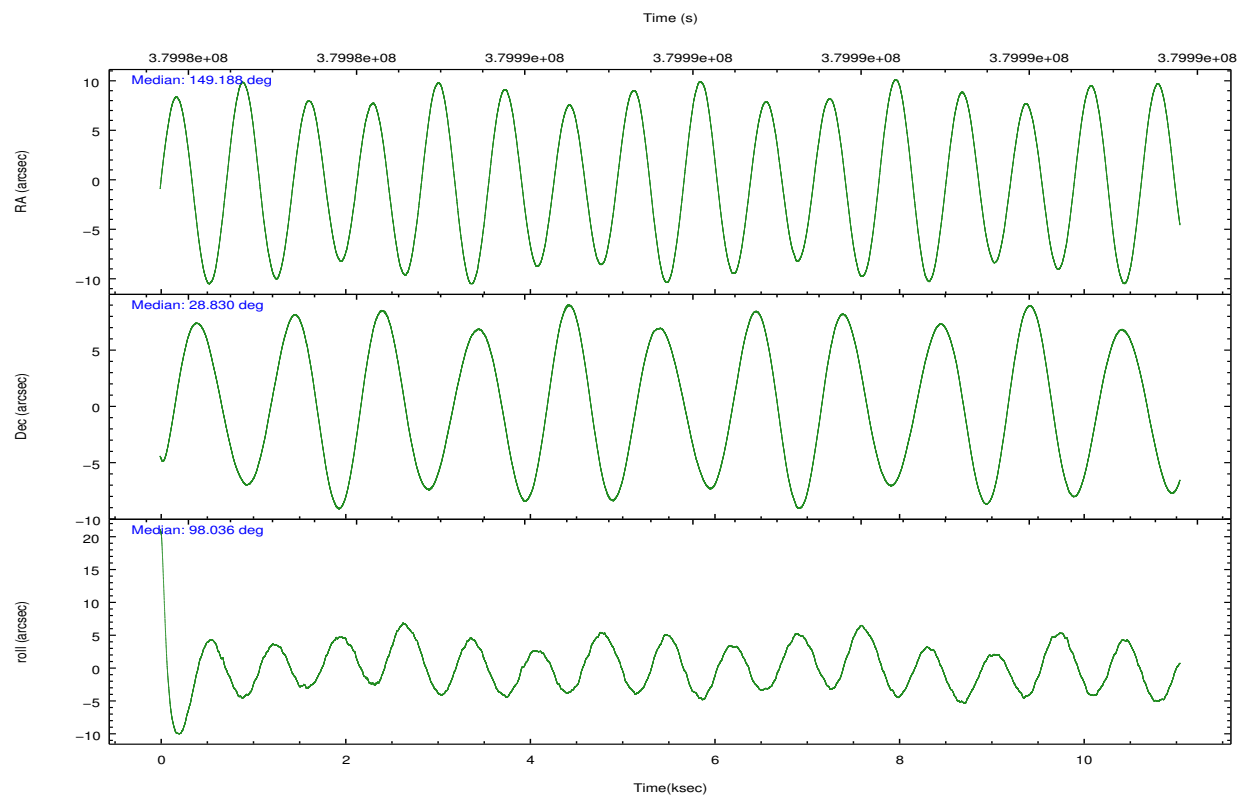


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-356789	ACIS-356789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	149.207693	149.1881627913143	CCD I2 on	N	N
[deg] Pointing Dec	28.808478	28.82978231484412	CCD I3 on	O3	Y
[deg] Pointing Roll	97.877150	98.04322280964313	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O2	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	O4	Y
[s] Observation start time (MET)	379983065.184000	379981675.28946	CCD S5 on	O1	Y
Observation start date	2010-01-15T22:49:59	2010-01-15T22:27:55	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	379993065.184000	379993483.80255	On-chip summing requested	N	N
Observation end date	2010-01-16T01:36:39	2010-01-16T01:44:43	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



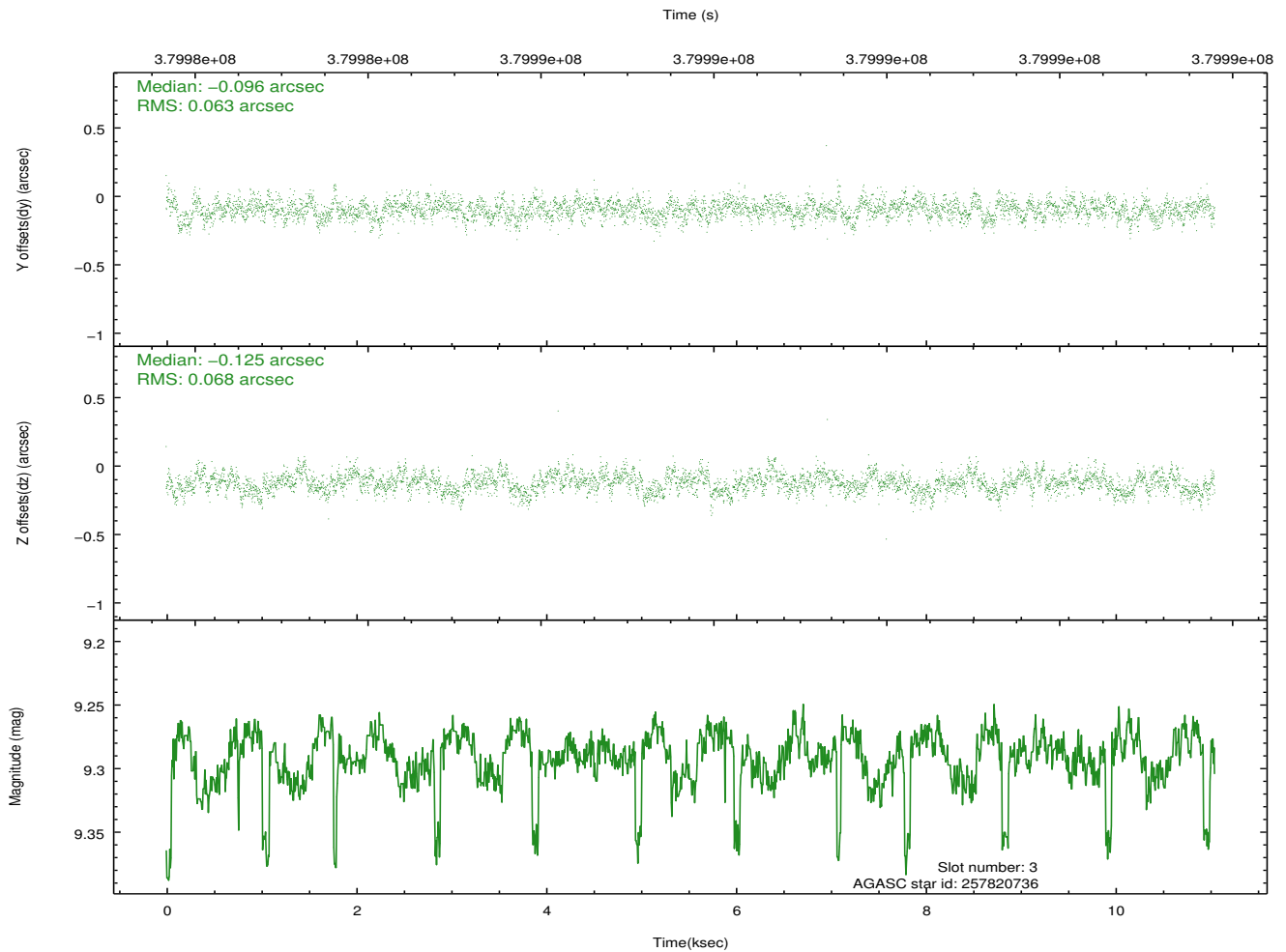
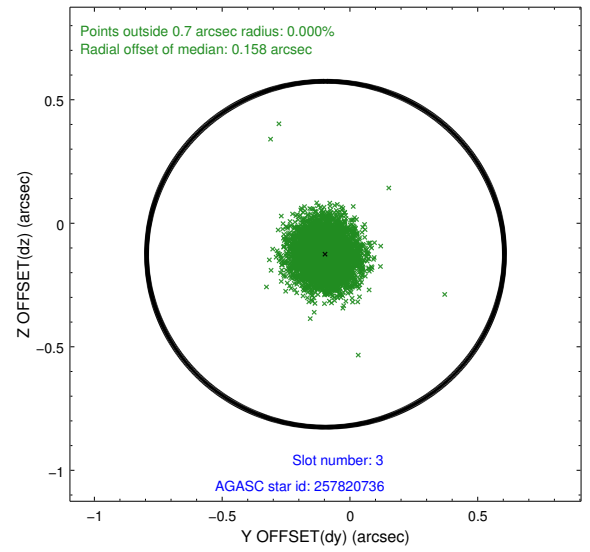
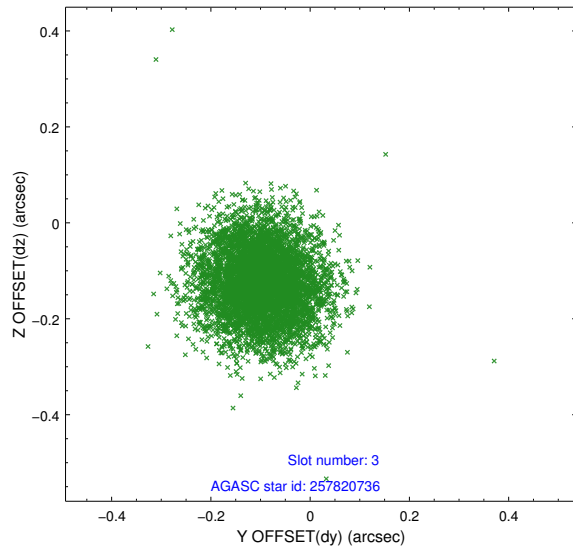


### Slot Statistics

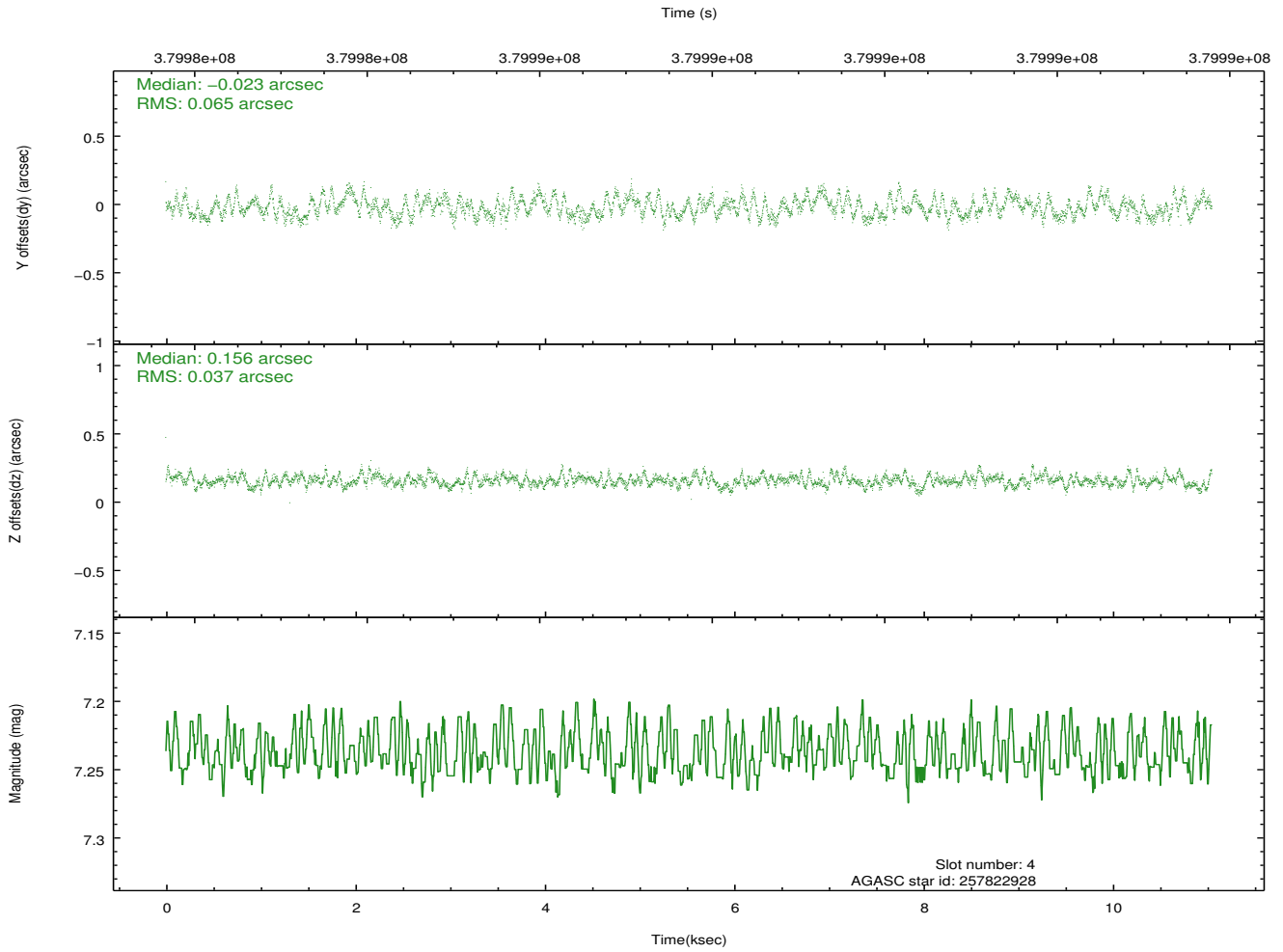
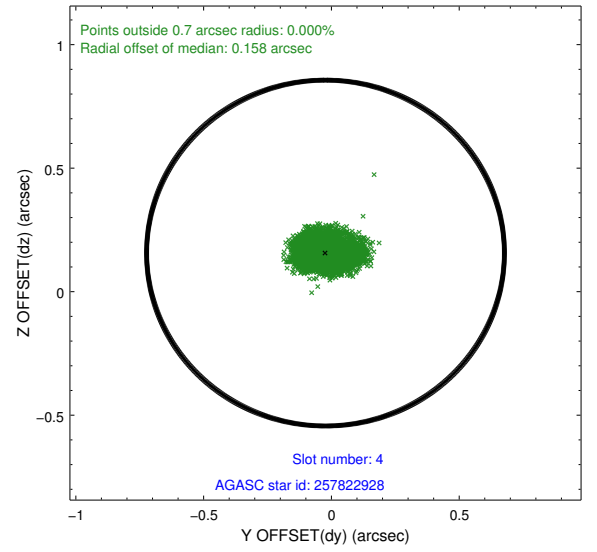
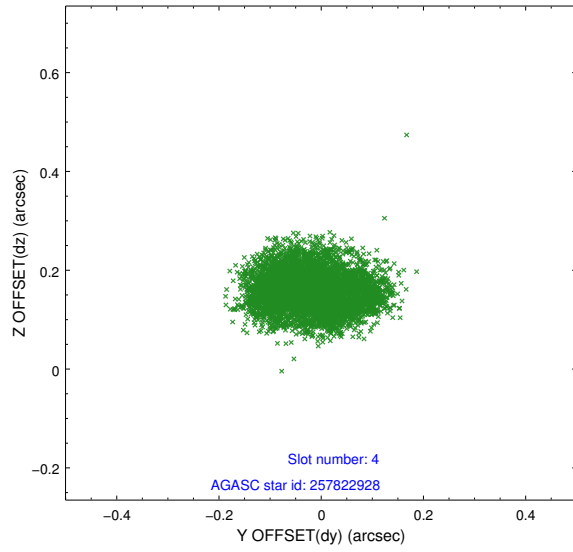
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	2695	-0.101	-0.014	0.007	0.011	0.000000	0.000000	-768.94	-1736.71
1	FID	ACIS-S-4	7.01	2695	0.182	0.052	0.006	0.011	0.000000	0.000000	2144.38	171.39
2	FID	ACIS-S-5	7.04	2696	-0.113	-0.030	0.007	0.011	0.000000	0.000000	-1821.22	165.46
3	GUIDE	257820736	9.29	5354	-0.096	-0.125	0.098	0.158	148.510477	29.212786	1747.95	1970.08
4	GUIDE	257822928	7.24	5391	-0.023	0.156	0.081	0.126	149.311326	28.561285	-925.66	-201.82
5	GUIDE	257823080	8.72	5383	0.107	0.161	0.083	0.126	149.610595	28.489924	-1308.33	-1105.73
6	GUIDE	257819432	9.32	5386	0.052	-0.284	0.095	0.150	148.523233	28.477865	-876.45	2307.58
7	GUIDE	257828992	7.93	5388	-0.041	0.089	0.066	0.112	149.624297	29.534433	2412.19	-1650.39

## 2.4 Star Slots

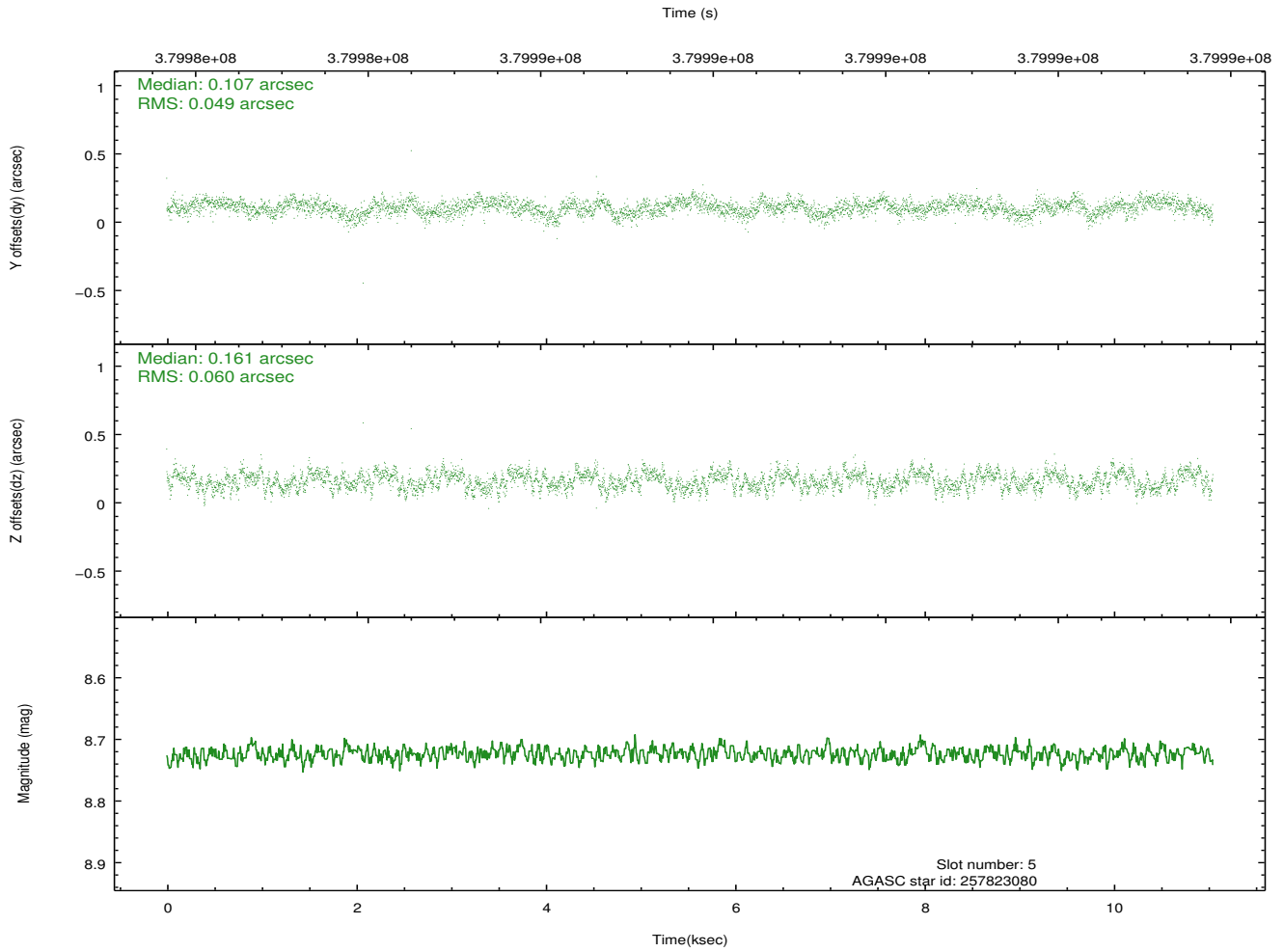
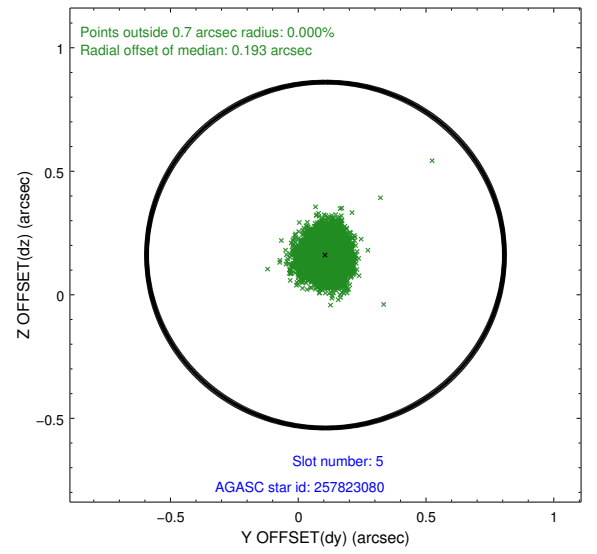
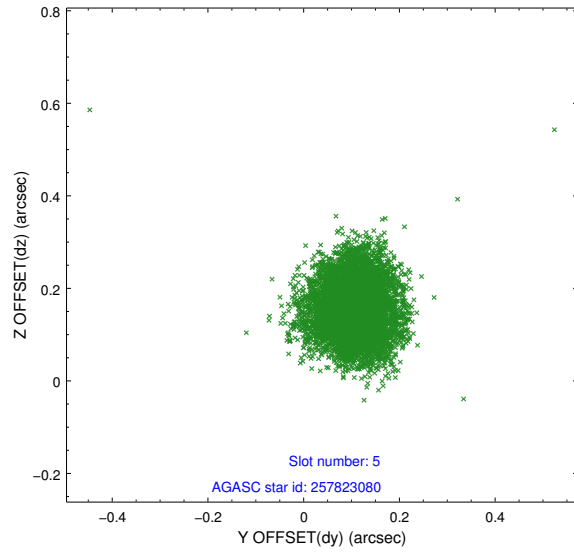
### 2.4.1 Slot 3



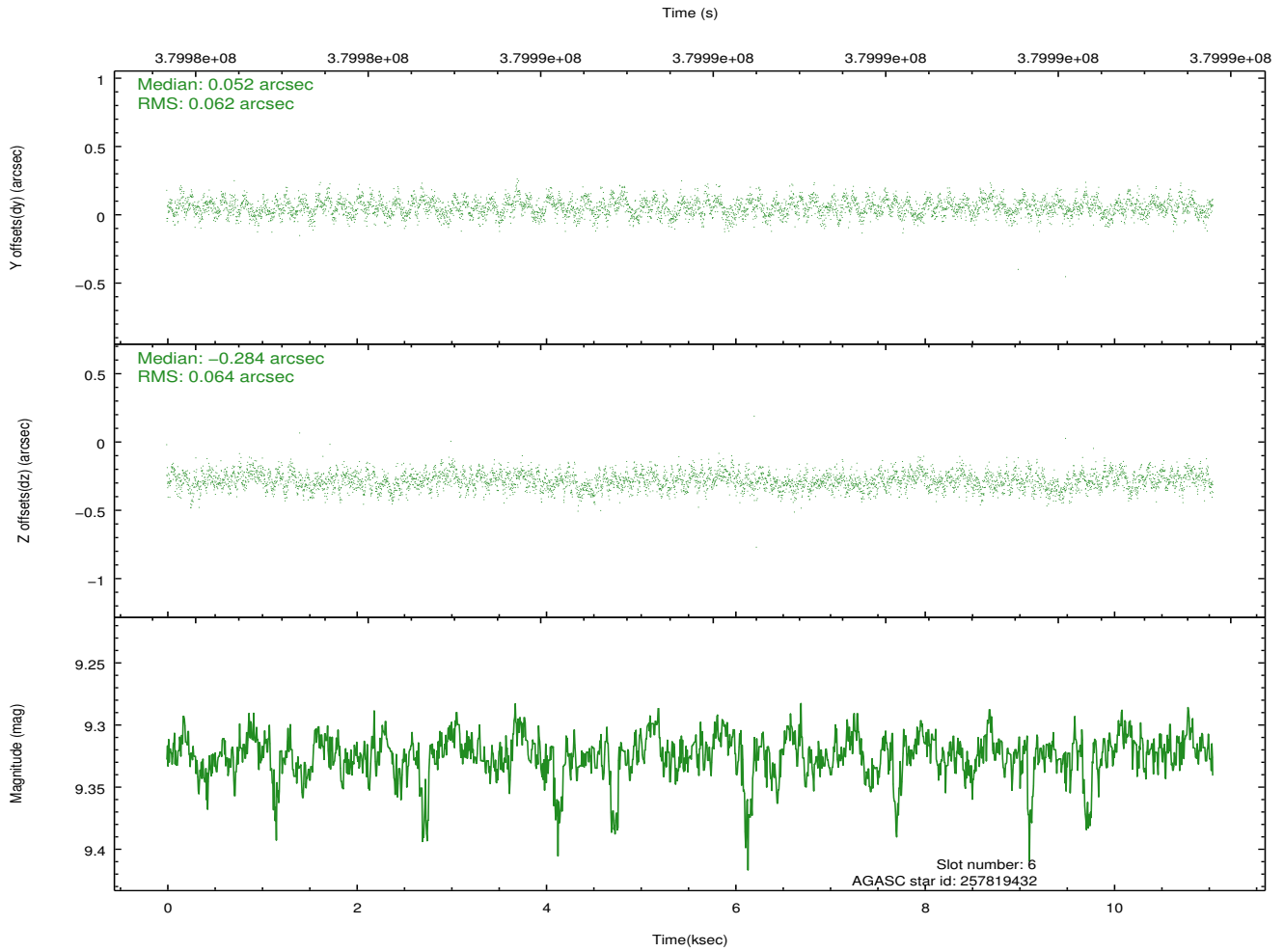
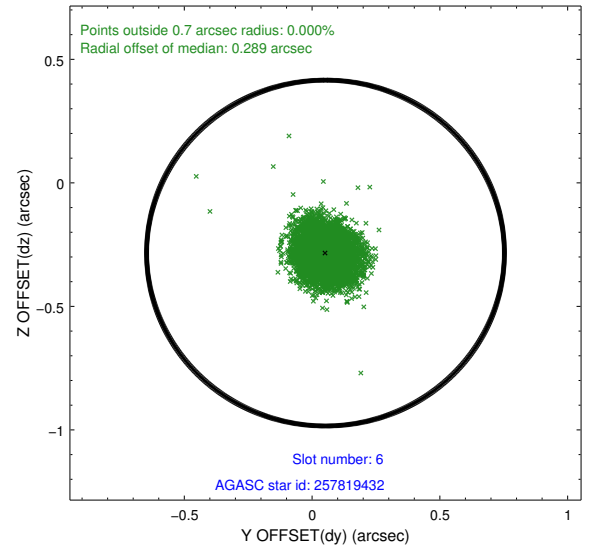
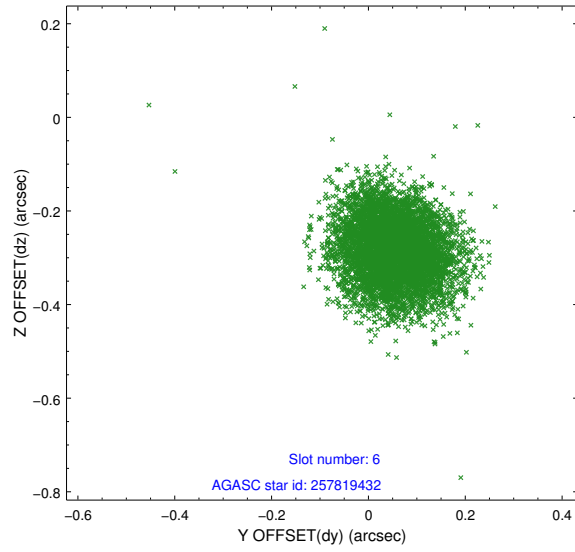
## 2.4.2 Slot 4



### 2.4.3 Slot 5

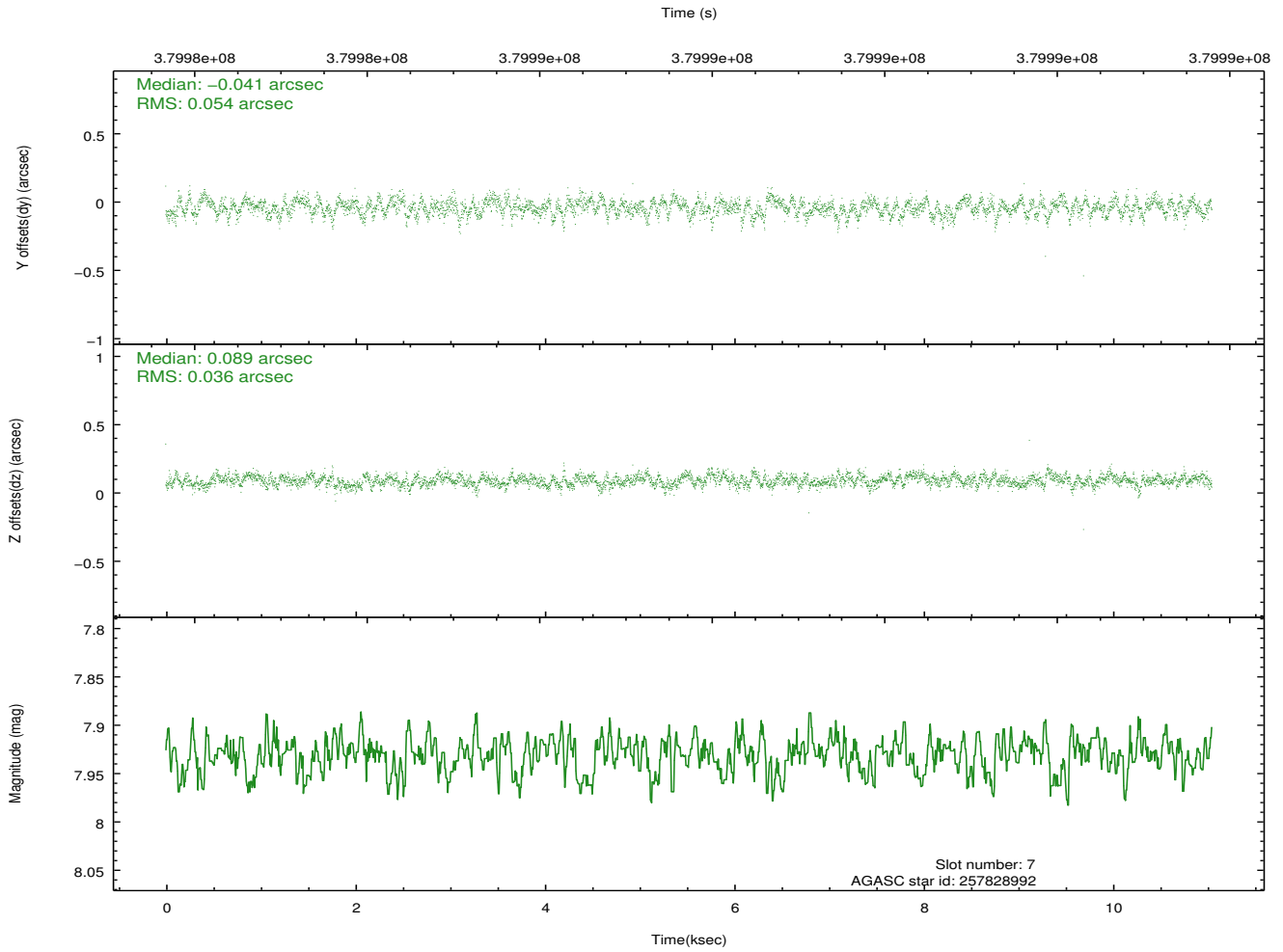
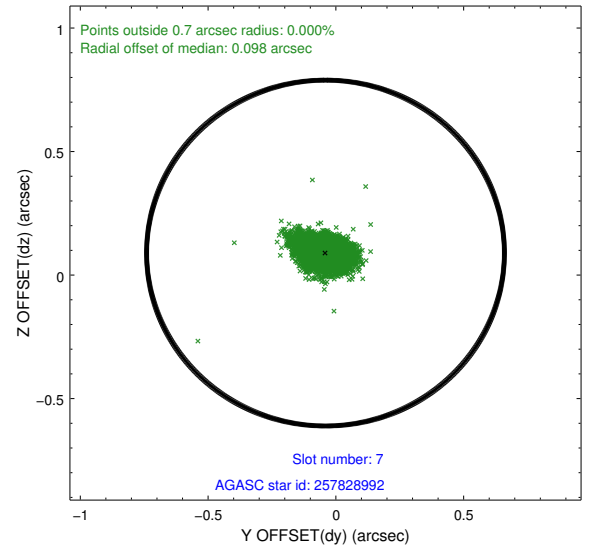
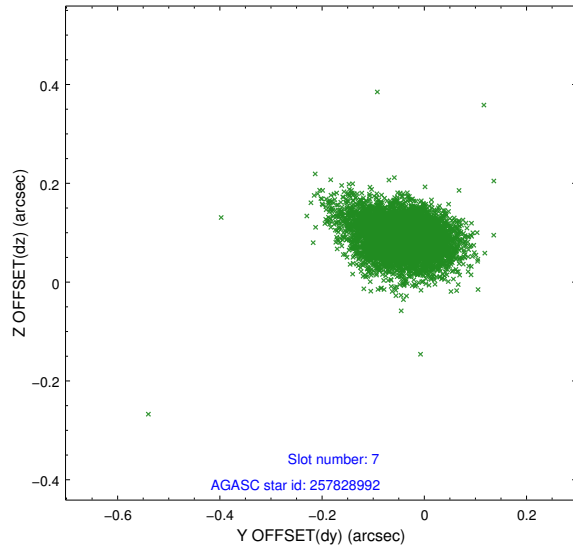


## 2.4.4 Slot 6



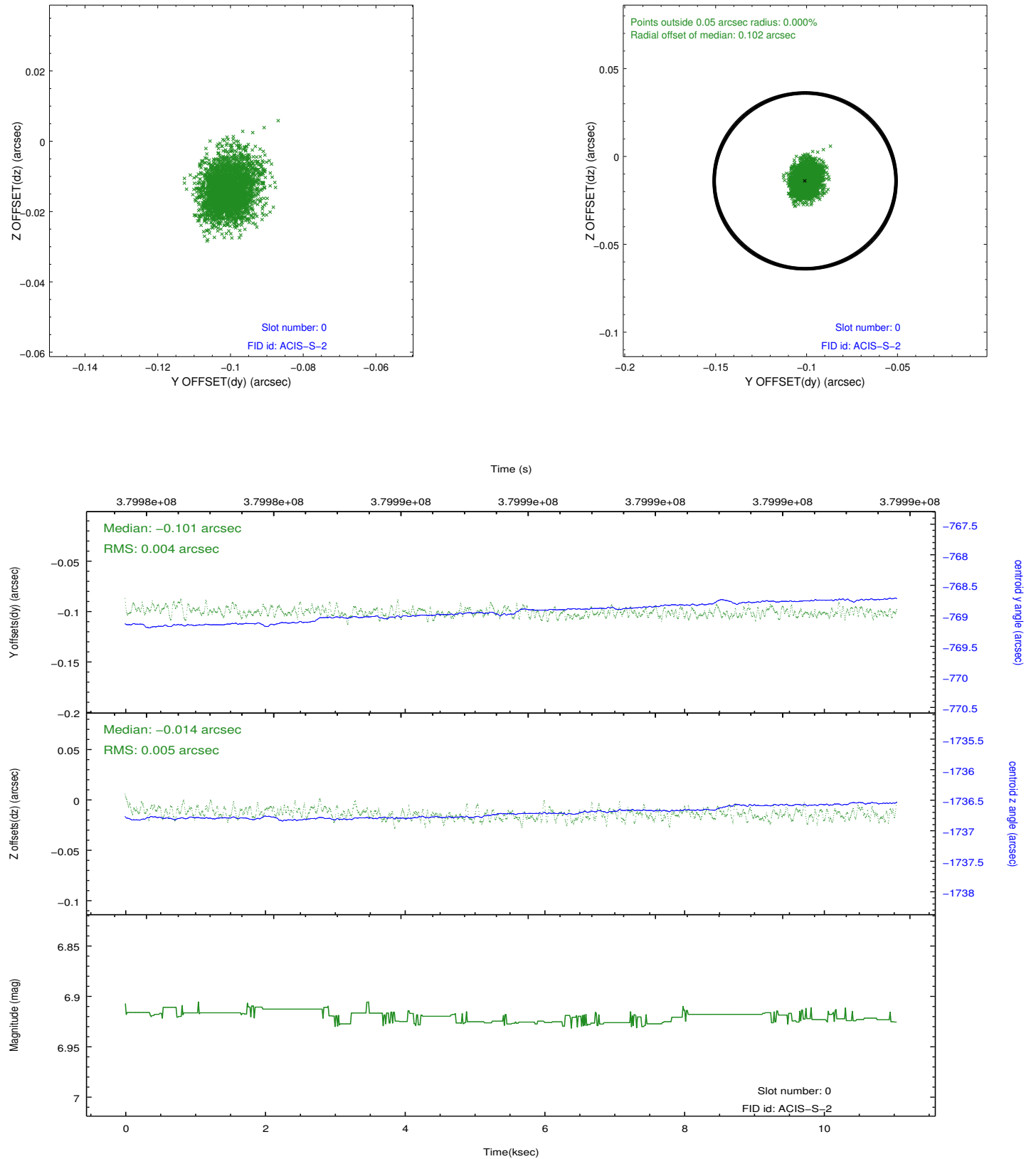


## 2.4.5 Slot 7

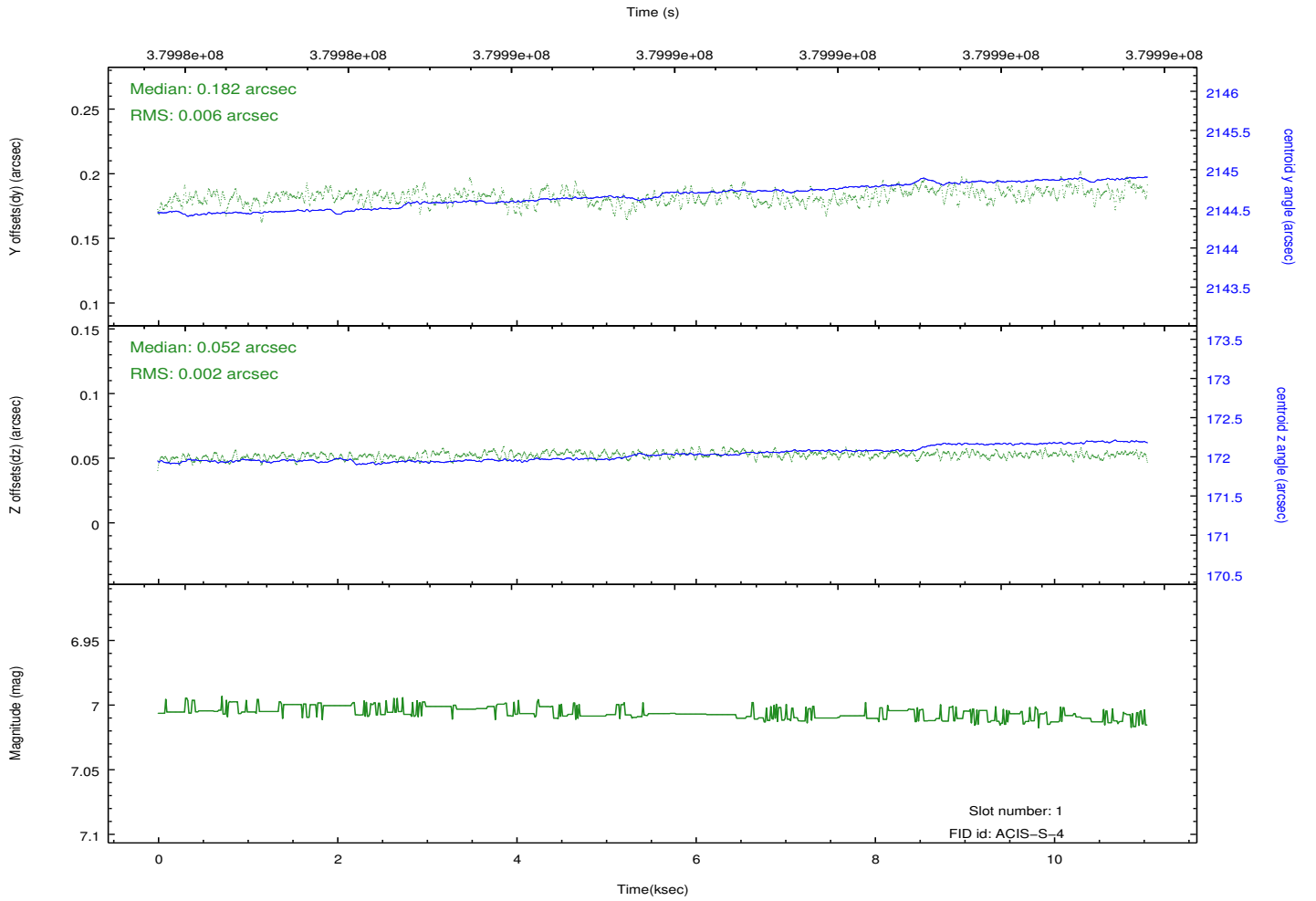
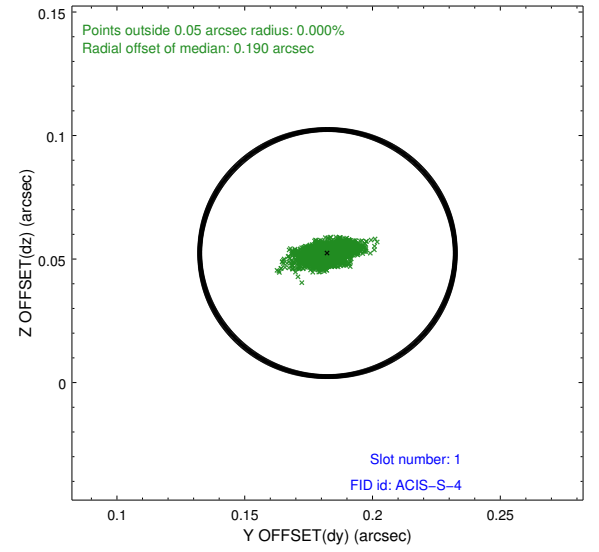
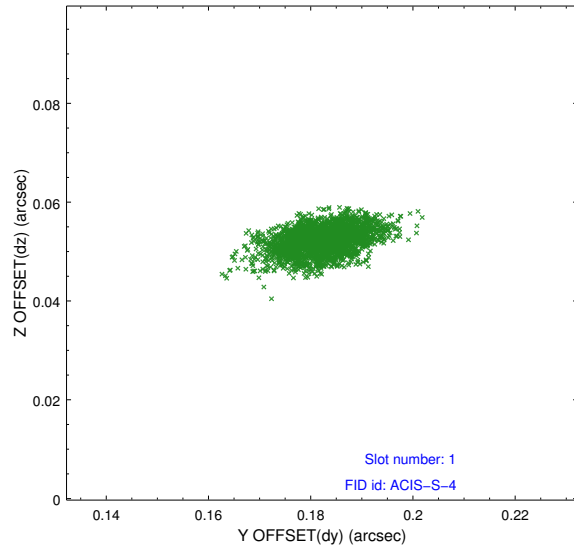


## 2.5 FID Slots

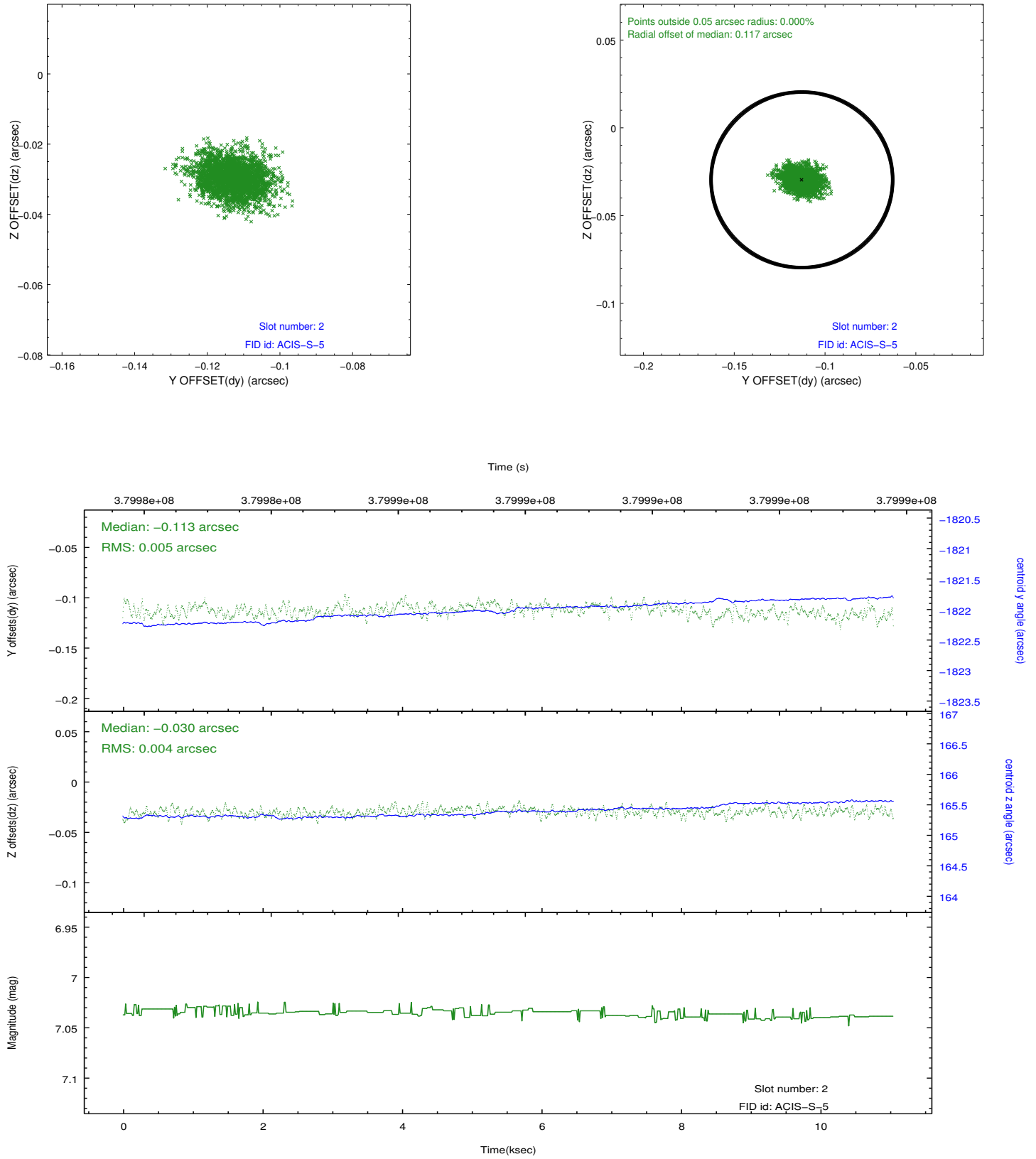
### 2.5.1 Slot 0



## 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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.12799996233

### A.2 Comments