

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3858 - L2 Version 001  
Chandra X-Ray Center

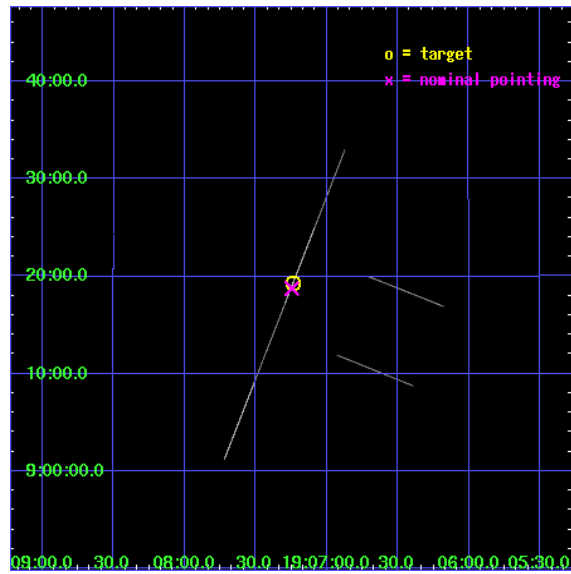
L2 Processing Date : Oct 12 2006

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# 1 Front

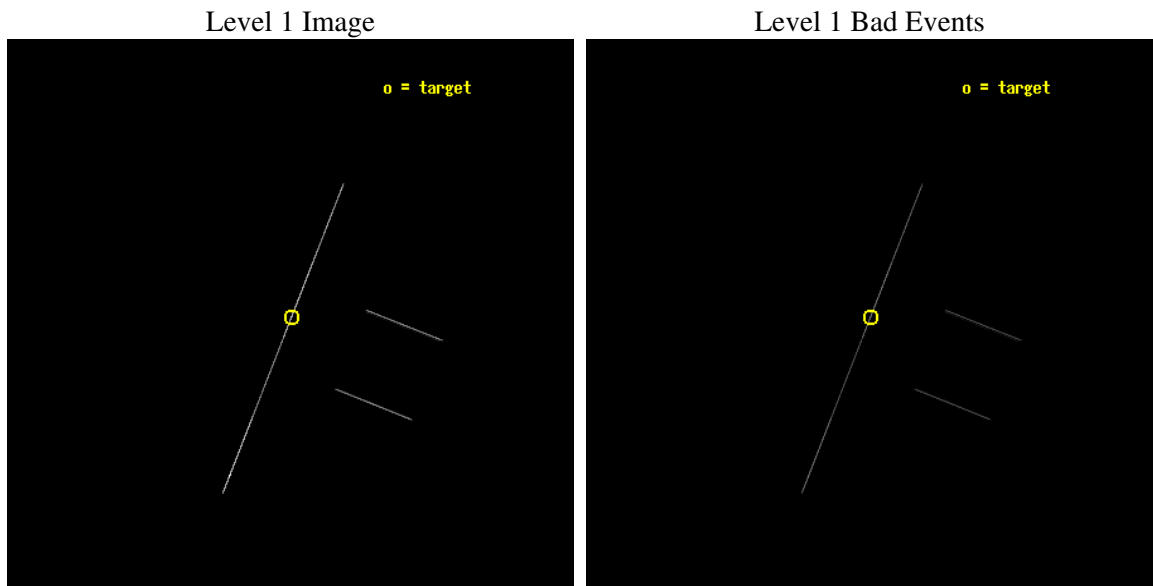
seq_num	500337
obs_id	3858
title	TOO OBSERVATIONS OF SOFT GAMMA REPEATERS
observer	Dr. Peter Woods
object	SGR 1900+14
ra_targ	286.809583
dec_targ	9.32225
ra_nom	286.81152319504
dec_nom	9.312758108643
roll_nom	291.53106366337
revision	2
ontime	48213.5
livetime	48025.166015625
ontime2	48213.5
ontime3	48212.040837824
ontime5	48212.040633529
ontime6	48213.5
ontime7	48213.5
ontime8	48213.5
l2events	594853



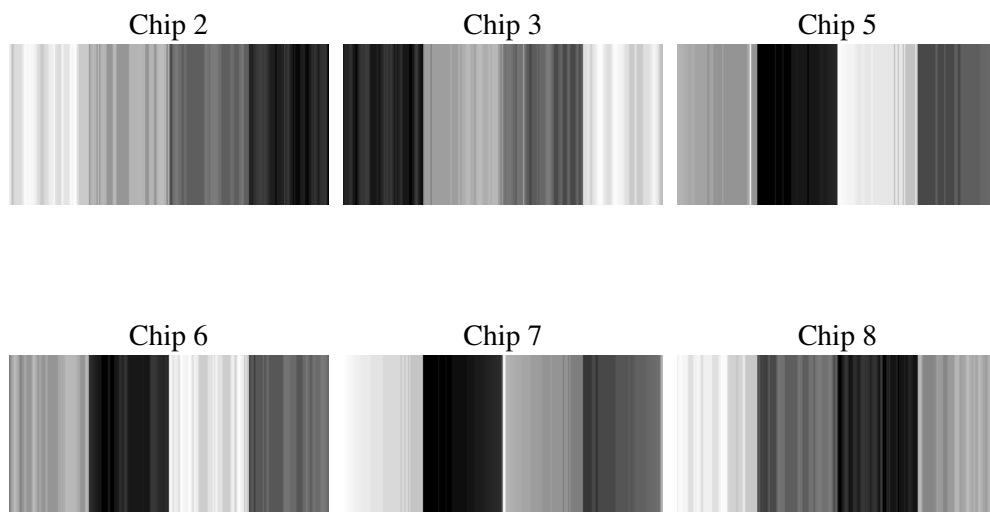
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-12T03:37:02
revision	2

sched_exp_time	48028.134000
ontime	48992.048567474
ontime2	48992.064590931
ontime3	48992.019756675
ontime5	48990.589910209
ontime6	48993.508119106
ontime7	48992.048567474
ontime8	48992.048211008
l1events	864576

### 2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	58479	63158	310933	65372	244765	121869
rejected events	11099	12347	27919	13241	32992	18596
rejected %	18%	19%	8%	20%	13%	15%

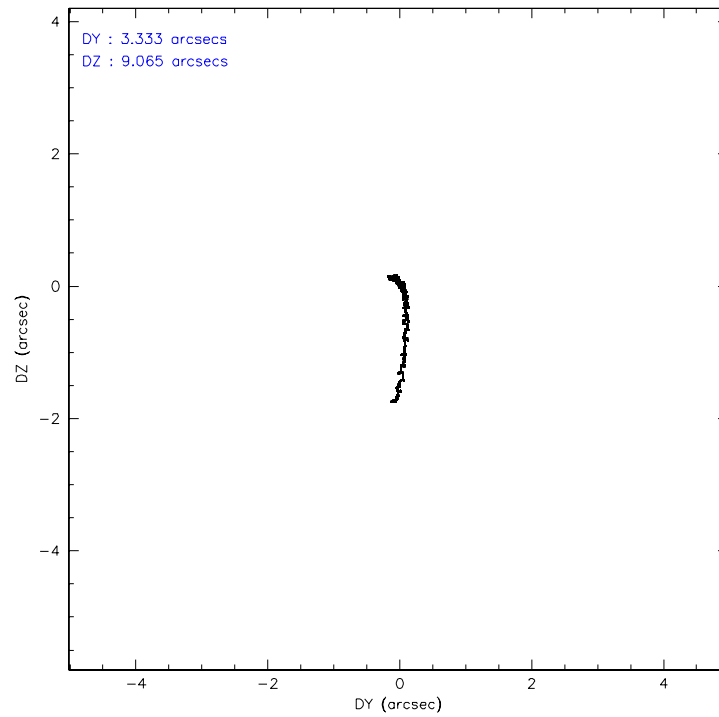
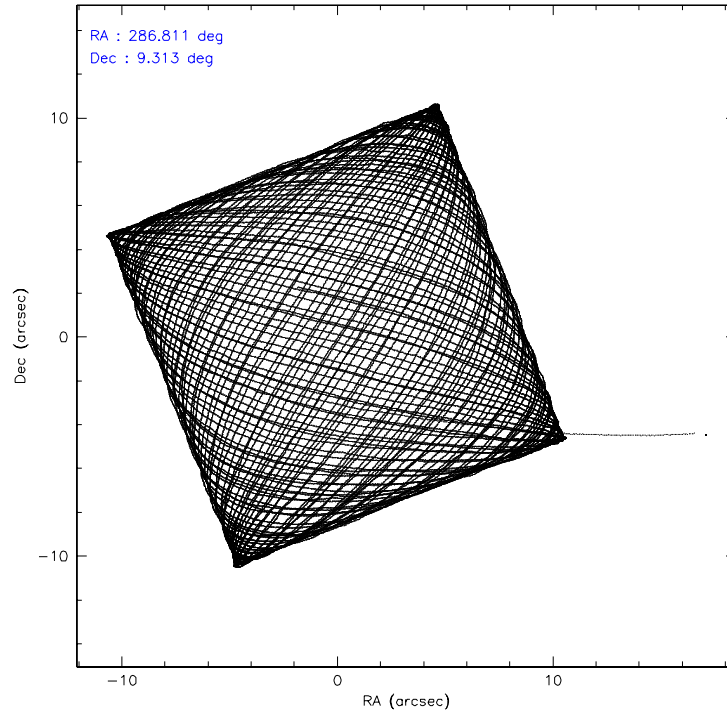
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	7060	6952	62279	6393	18186	19823
	12%	11%	20%	9%	7%	16%
grade 1 events	221	229	286	219	347	391
	0%	0%	0%	0%	0%	0%
grade 2 events	18174	19051	78342	20436	55388	32325
	31%	30%	25%	31%	22%	26%
grade 3 events	6628	7844	5356	6958	11380	12931
	11%	12%	1%	10%	4%	10%
grade 4 events	6463	6780	5100	6782	11154	12684
	11%	10%	1%	10%	4%	10%
grade 5 events	10116	11279	23542	12186	29906	16559
	17%	17%	7%	18%	12%	13%
grade 6 events	9817	11023	136028	12398	118404	27156
	16%	17%	43%	18%	48%	22%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

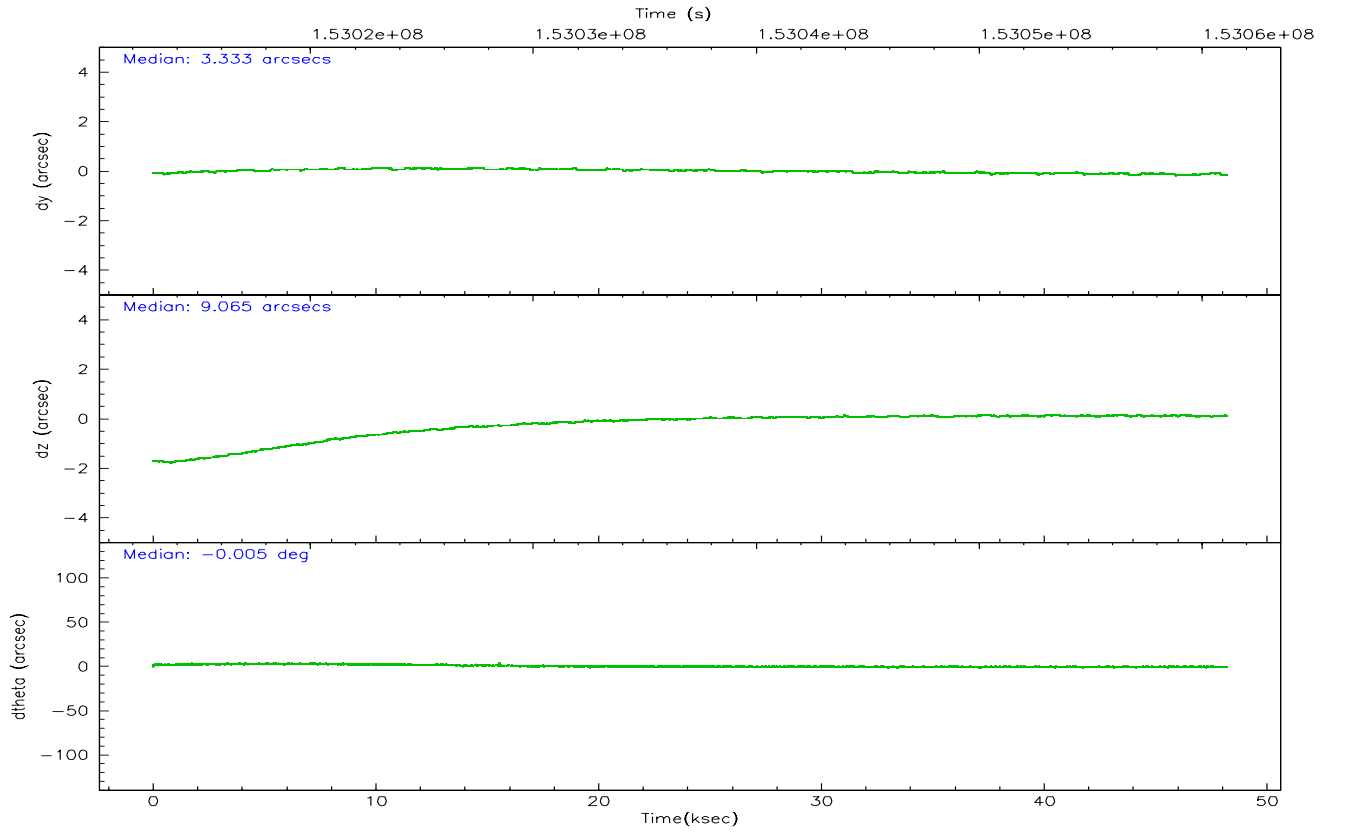
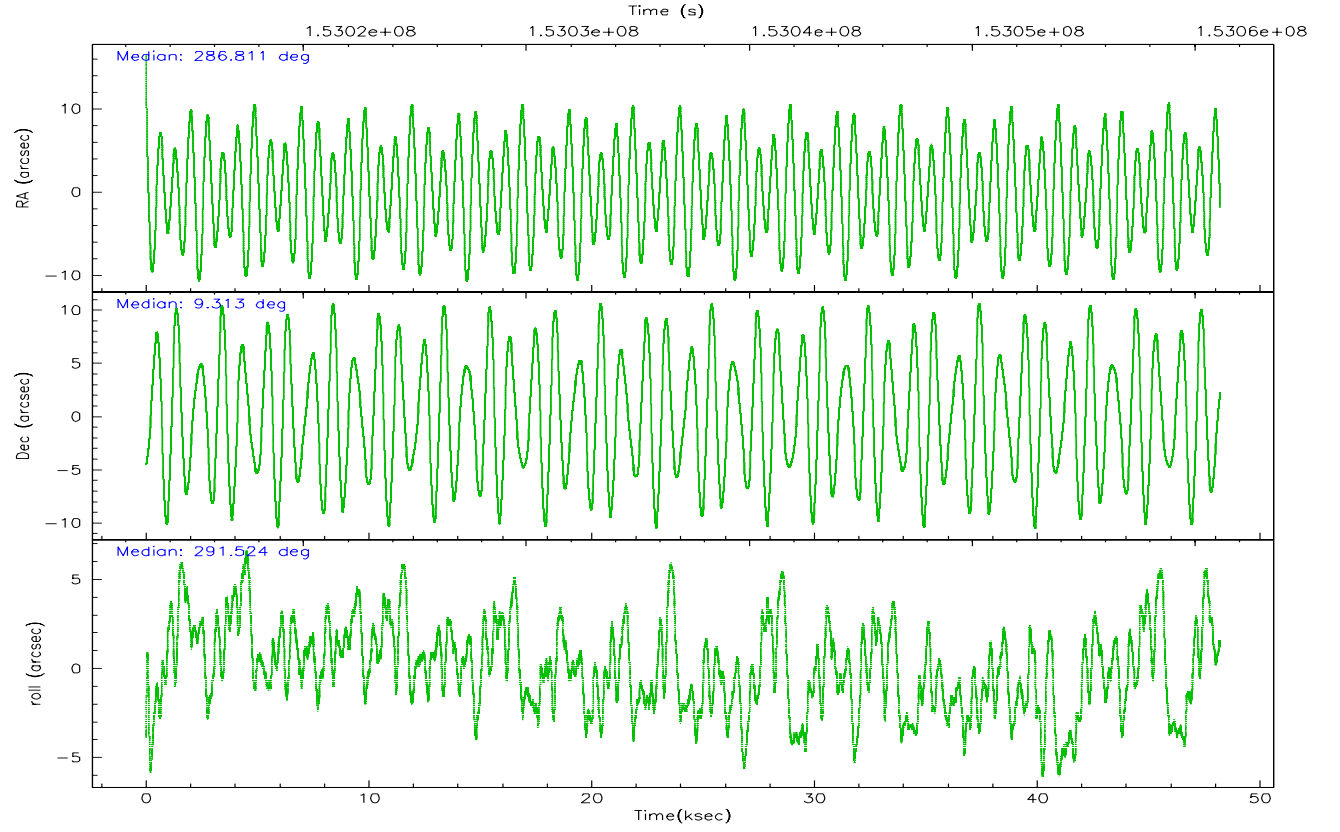


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	286.789683	286.811523195038	Subarray requested	NONE	NONE
Pointing Dec	9.329419	9.312758108642987	Alternating exposures requested	N	N
Pointing Roll	291.377974	291.5310636633704	Primary exposure time	0.000000	0
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	153013111.184000	153012148.59408			
Observation start date	2002-11-06T23:37:27	2002-11-06T23:22:28			
Observation end time	153061139.184000	153061454.17114			
Observation end date	2002-11-07T12:57:55	2002-11-07T13:04:14			
Read mode	CONTINUOUS	CONTINUOUS			

## 2.3 Aspect



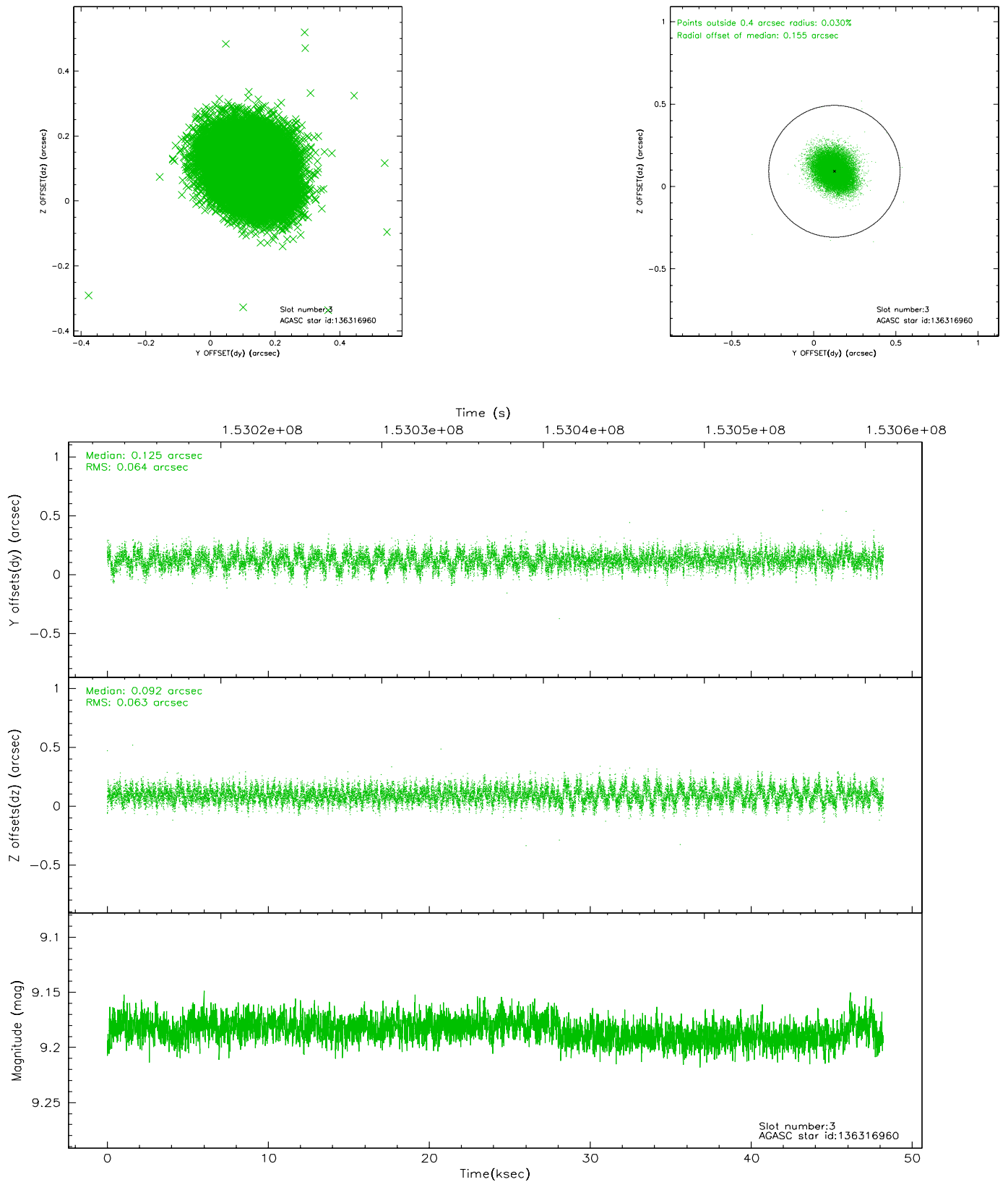


### Slot Statistics

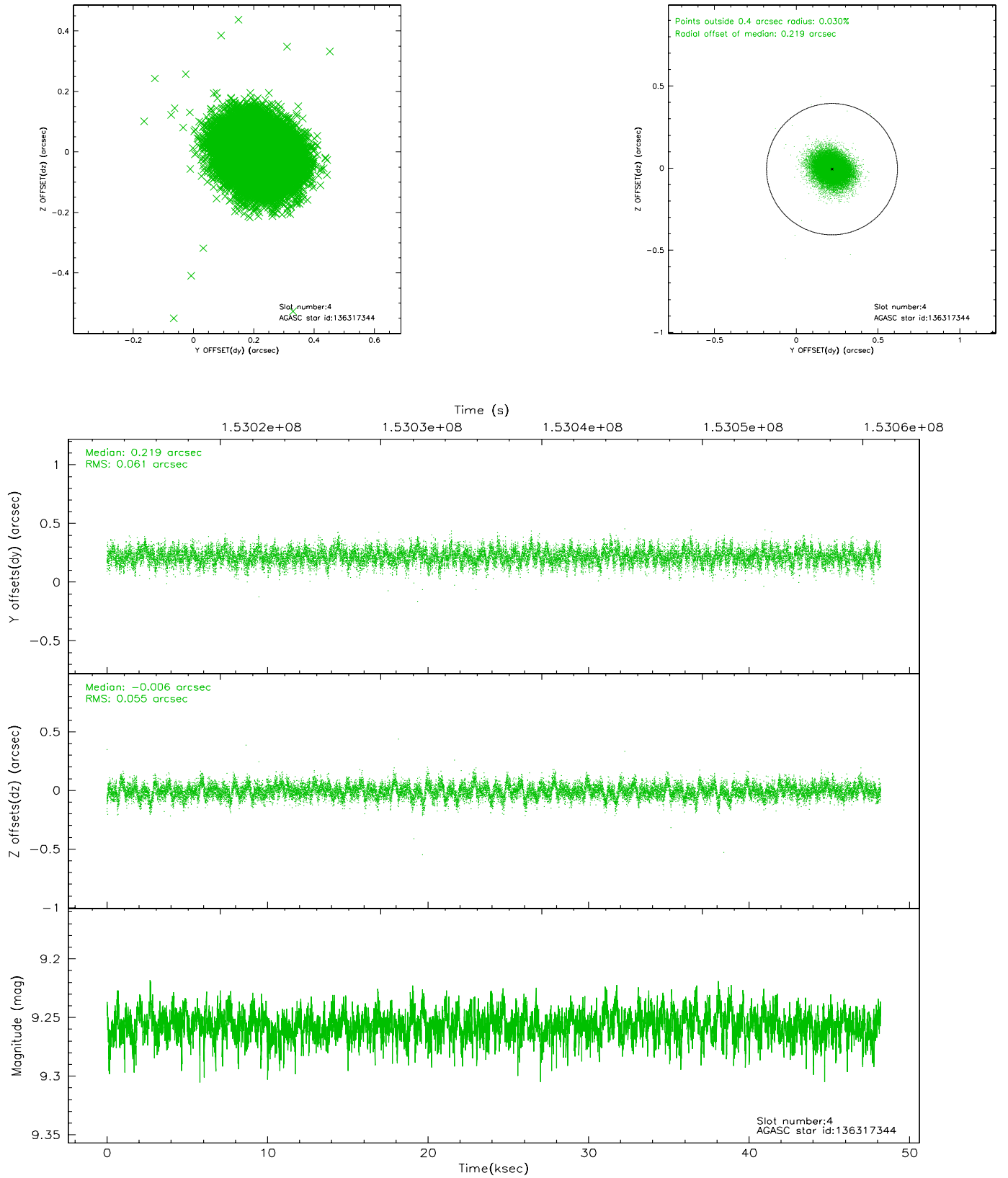
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.20	11758	0.011	0.052	0.015	0.065	0.000000	0.000000	940.05	-1725.60
1	FID	ACIS-S-4	7.20	11757	-0.030	-0.036	0.009	0.037	0.000000	0.000000	2157.41	178.49
2	FID	ACIS-S-5	7.24	11758	-0.011	-0.002	0.013	0.030	0.000000	0.000000	-1808.85	172.13
3	GUIDE	136316960	9.18	23506	0.125	0.092	0.096	0.153	287.104881	9.133555	1065.70	787.04
4	GUIDE	136317344	9.26	23502	0.219	-0.006	0.087	0.143	287.032148	8.921467	1683.03	268.40
5	GUIDE	136323720	8.87	23507	-0.000	-0.033	0.081	0.131	286.331708	8.774626	1266.55	-2244.57
6	GUIDE	136849008	9.62	23511	-0.152	0.122	0.111	0.182	287.041390	10.029261	-2020.36	1749.70
7	GUIDE	136845056	9.46	23504	-0.190	-0.176	0.097	0.158	286.321553	9.661191	-1717.84	-1111.22

## 2.4 Star Slots

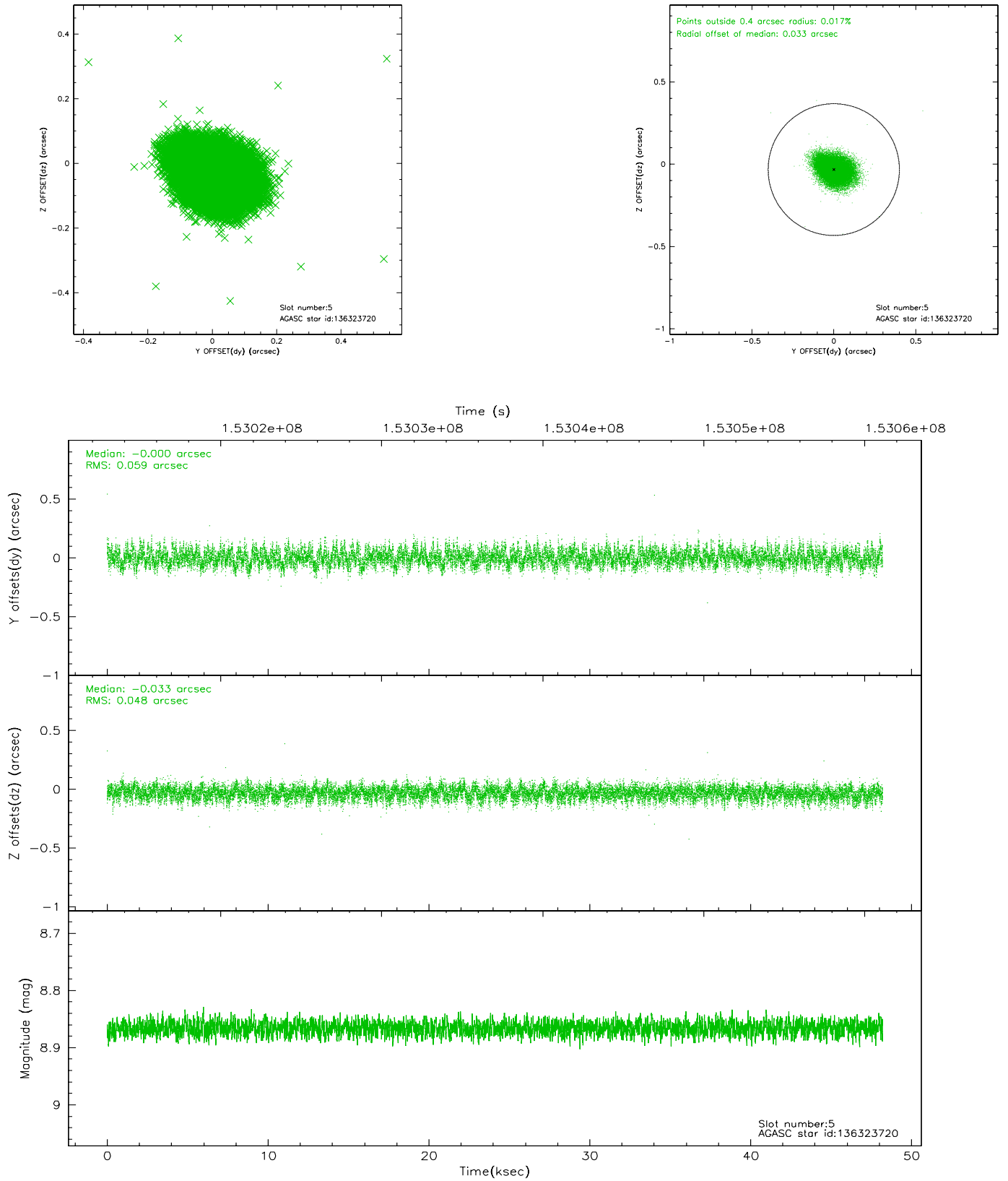
### 2.4.1 Slot 3



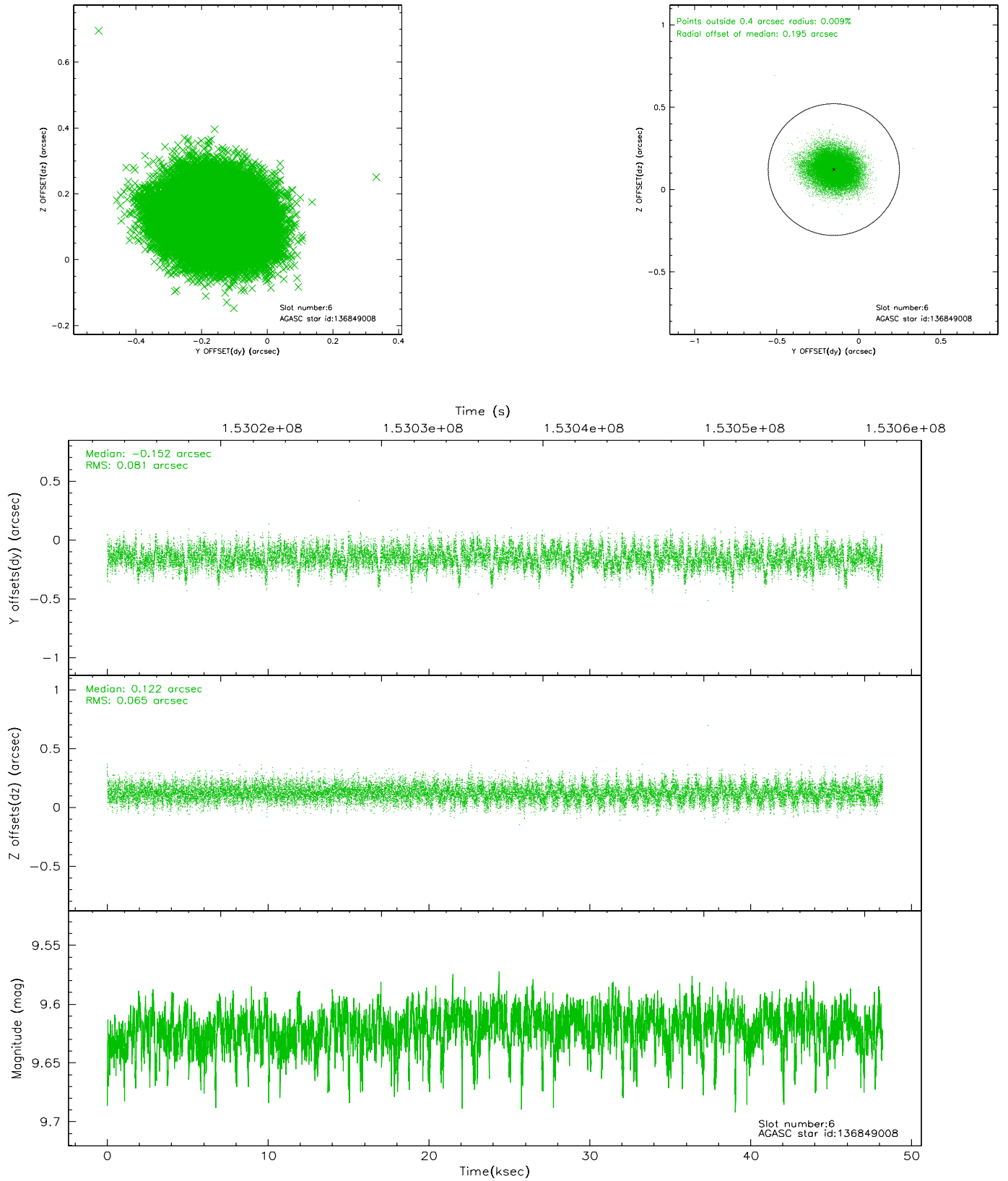
## 2.4.2 Slot 4



### 2.4.3 Slot 5

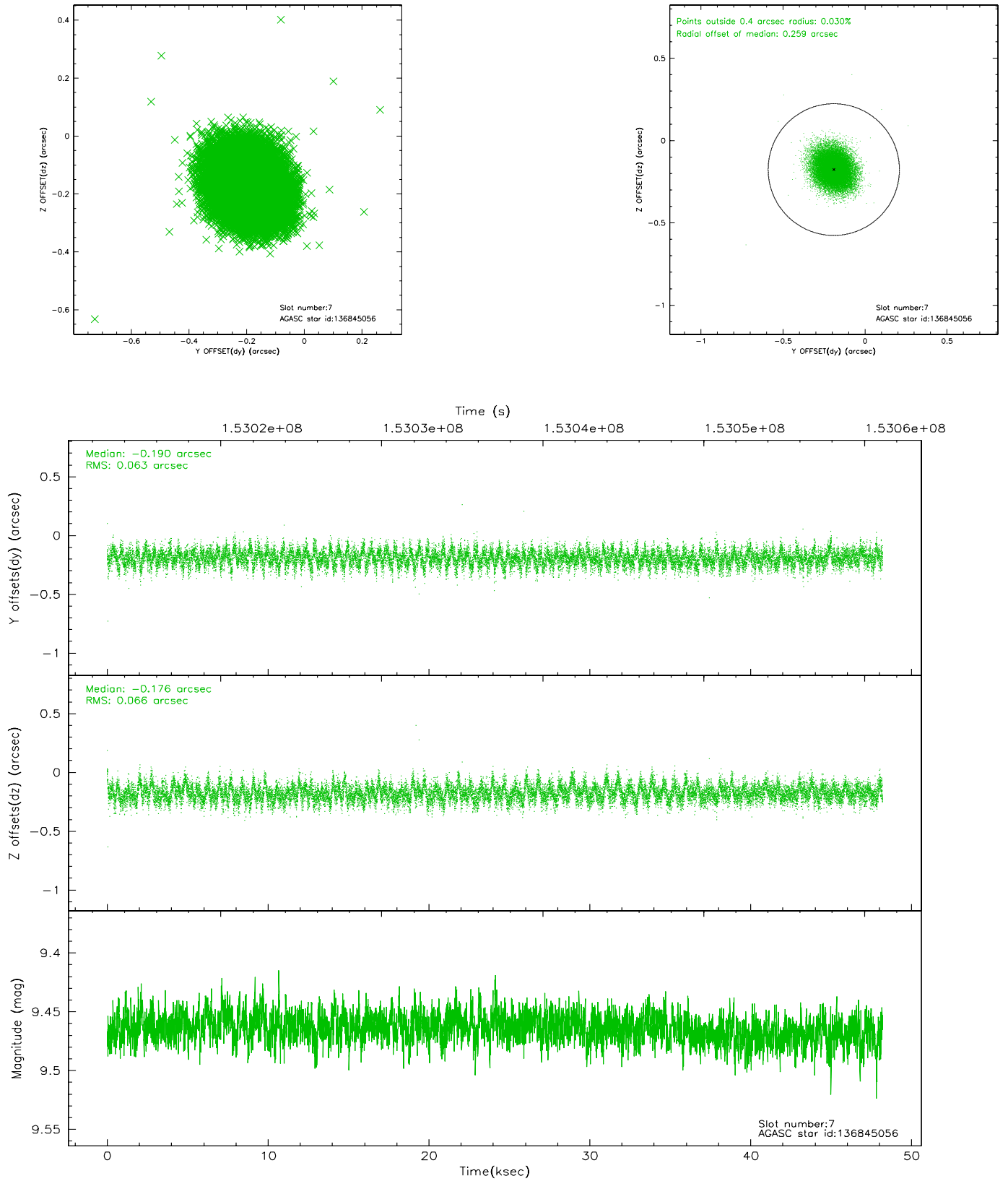


## 2.4.4 Slot 6



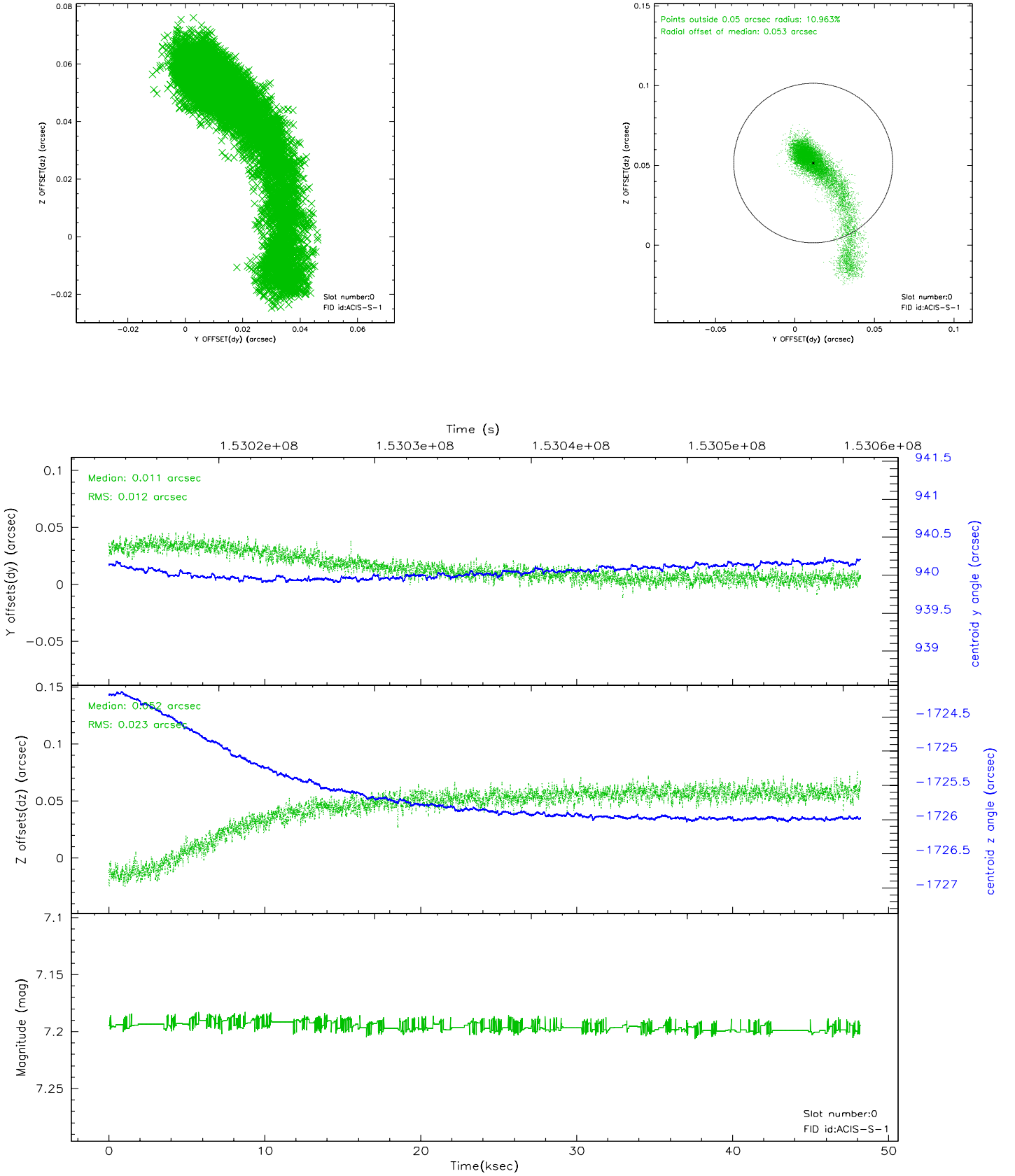


## 2.4.5 Slot 7

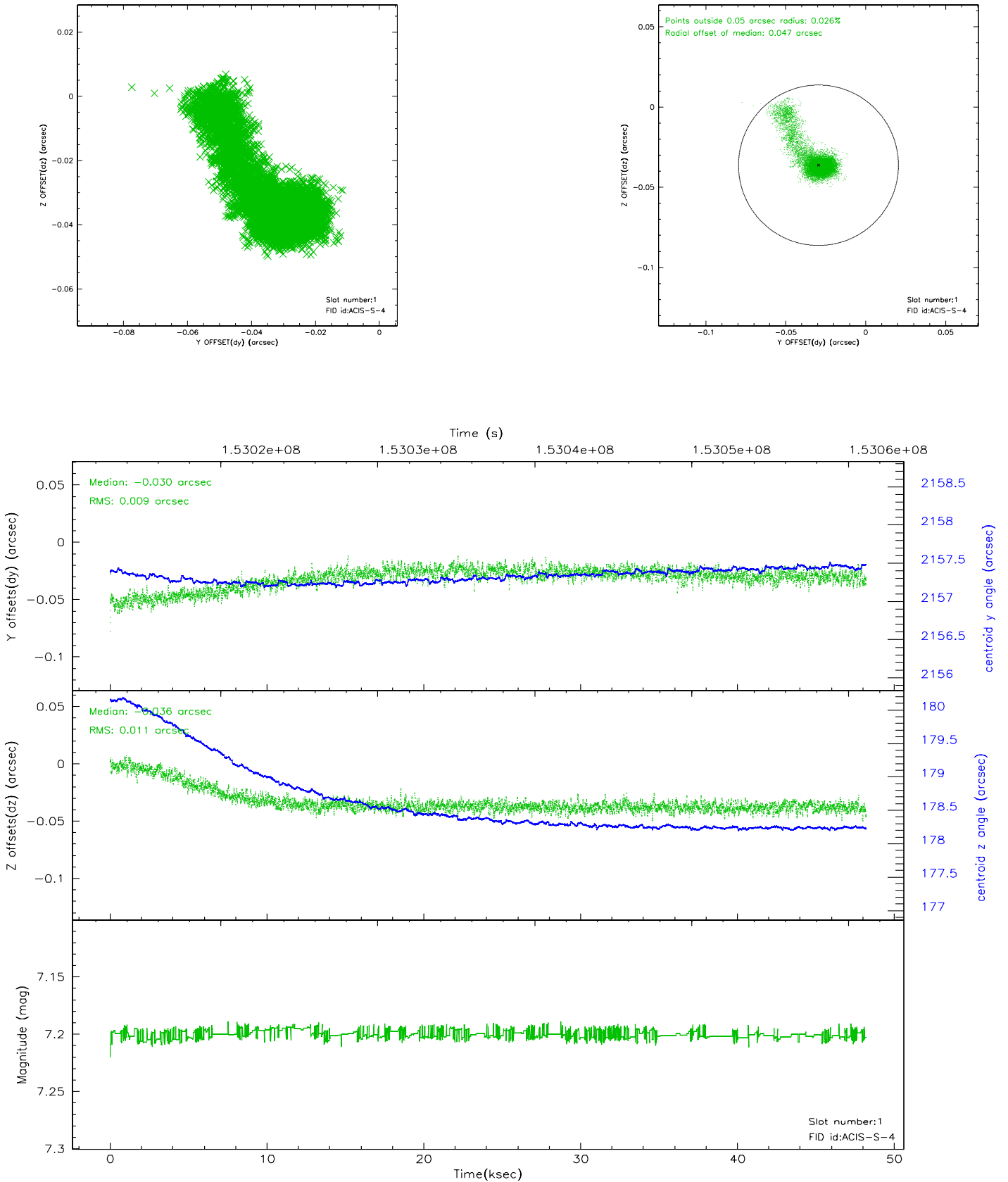


## 2.5 FID Slots

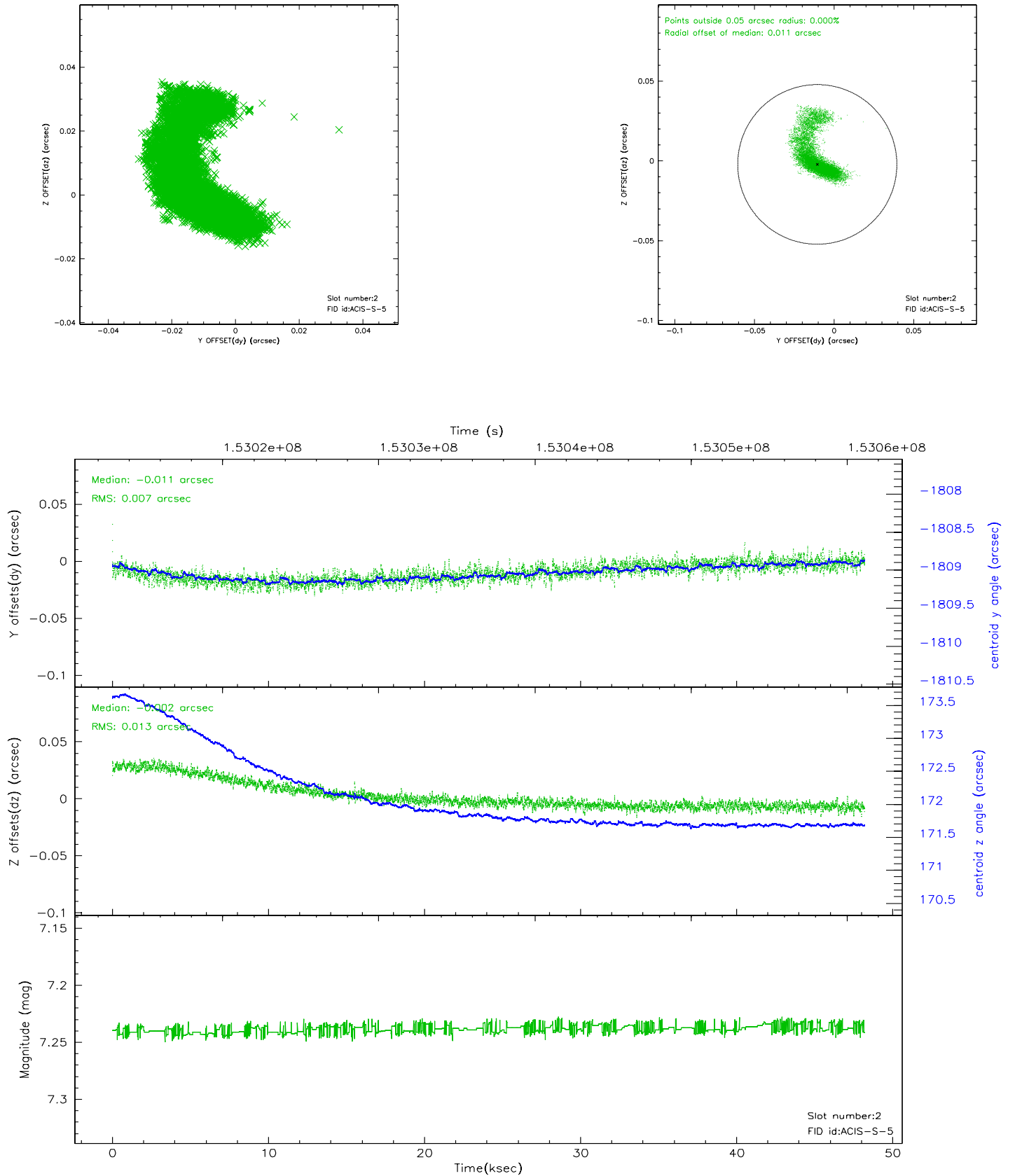
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2006.10.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.217

### A.2 Comments